

ARKANSAS

Department of Agriculture



**SEED SECTION
INSPECTOR'S
MANUAL**

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ADA SEED INSPECTOR'S MANUAL

Revised November 2020

MISSION OF ARKANSAS DEPARTMENT OF AGRICULTURE:

The Arkansas Department of Agriculture is dedicated to the development and implementation of policies and programs for Arkansas agriculture and forestry to keep its Farmers and Ranchers competitive in national and international markets while ensuring safe food, fiber and forest products for the citizens of the state and nation.

Located within the Plant Industries Division, Quality Control and Compliance (QCC) Section, the Seed Section's responsibilities are both regulatory and service based: (1) The enforcement of Seed Laws and Regulations; (2) The management of the Seed Certification program; and (3) The management of the Rice GMO Testing Program. The operation of an Official Seed Laboratory is managed by the Arkansas Department of Agriculture's (ADA) Laboratory Services Division and works in conjunction with the Seed Section to provide seed testing services.

The ultimate purpose of seed laws and regulations is to protect the consumer from mis-represented or poor-quality seed and to create a level opportunity for the selling of seed.

This manual is intended as a guide for ADA Inspectors in carrying out their duties in a courteous and impartial manner. Inspectors should familiarize themselves with procedures as outlined in this manual, ADA Circulars 10 & 15, and with the Federal Seed Act.

Seeds covered by Arkansas' regulations are defined as **agricultural seeds**. These are "grass, forage, cereal, fiber crops and other kinds commonly recognized within the state as agricultural seed. When in containers of 25 pounds or more, the following vegetable seed are included under the regulations: Garden and lima beans, spinach, mustard, turnip, and garden pea seed. Vegetable seed in packets are sampled only upon direction from the Seed Section.

The Federal Seed Act regulates seed in interstate commerce, requiring proper labeling and prohibiting misrepresentation of seed transported from one state to another. By agreement between Federal and State authorities, ADA Inspectors are authorized to sample seed under these regulations.

This manual contains a lot of information and details on many different tasks; however, this manual is not all encompassing, so ADA Inspectors should freely communicate with the ADA Seed Section staff and the ADA Seed Laboratory Staff should they have questions or encounter unusual seed-related situations.

FEES AND SERVICES

A. Explanation of Services:

1. **Regulatory Samples.** Samples which are drawn by the Arkansas Department of Agriculture in accordance with procedures as outlined in the Regulations. Samples are taken from seed that has already been labeled and is in the trade channels. The purpose of regulatory samples is to ensure that the seed has been correctly labeled (consumer protection).
2. **Service Samples.** Samples which are submitted to the Arkansas Department of Agriculture for testing. Information from test results may be used to label seed.

There are two kinds of service samples:

Certified Samples	Samples which are produced from crops that are in the Certification Program. This seed was field inspected by the Arkansas Department of Agriculture and has met field standards. The samples must be taken by Arkansas Department of Agriculture staff and must pass the strict standards of laboratory testing before being allowed to bear the official Arkansas Certified label.
Non-Certified Samples	Samples of seed which were not grown under an application for Seed Certification or do not meet the requirements under the Certification program. Samples may be submitted by the seedsman/farmer.

B. Explanation of Tests:

Complete Analysis (Comp)	Consists of the determination of the % pure seed, % weed seed, % other crop, % inert matter, % germination, and the number and kind of noxious weeds found in the sample per pound. Samples which are under consideration for Certification are also tested for % moisture and varietal purity.
Germ Only (GO)	Consists of the determination of the % germination. Germination is the emergence & development of those essential structures which indicate the ability to produce a normal plant under favorable conditions.
Purity Only (PO)	Same as a complete except the % germination is not determined.
Varietal Purity (VP)	The determination of the presence of varietal contaminants. (Certified Seed Only)
Noxious Weed Exam (NWE)	Consists of the determination of the number and kind of noxious weeds found in the sample per pound.
Red Rice Exam (RRE)	Consists of the determination of the number of Red Rice found in the sample per pound.

Seed Characteristics Exam.....	The determination of the general characteristics such as hilum color, grain length, etc., for non-certified samples designated as to variety.
<u>Vigor Tests</u>.....	Seed vigor comprises those properties which determine the potential for rapid uniform emergence and development of normal seedlings under a wide range of field conditions.
<u>Varietal Tests</u>.....	There are several aids which enable the analyst to determine, confirm, or group seed as to variety based on numerous tests.
<u>Tetrazolium Tests</u>.....	A chemical “quick test” to estimate germination potential for conditioning decisions.
<u>Herbicide Tolerance</u>.....	The determination of tolerance to certain herbicides such as Roundup®.

FEES

1. **REGULATORY SAMPLES** -- There are no fees charged for regulatory samples unless copies of test results are requested, then fees are the same as for service samples.

2. **SERVICE SAMPLES**

KIND OF SEED	COMPLETE	PURITY OR GERM ONLY	—MINIMUM DAYS REQUIRED FOR GERM TEST
ALFALFA	\$16.00	\$12.00	7
BAHIAGRASS	\$16.00	\$12.00	21 - 28*
BARLEY	\$16.00	\$ 8.00	7 + 5 if freshly harvested
BEAN (garden & field)	\$16.00	\$ 8.00	8 - 9*
BERMUDAGRASS	\$16.00	\$12.00	21
BLUEGRASS	\$16.00	\$12.00	21 - 35*
BLUESTEM	\$50.00	\$40.00	14
CLOVER	\$16.00	\$12.00	7 - 14*
CORN	\$16.00	\$ 8.00	7
COTTON	\$16.00	\$ 8.00	12
DALLISGRASS	\$16.00	\$12.00	21
FESCUE	\$16.00	\$12.00	14 - 28*
JOHNSONGRASS	\$16.00	\$12.00	35
LESPEDEZA	\$16.00	\$12.00	14 - 21*
LOVEGRASS	\$16.00	\$12.00	14
MILLET	\$16.00	\$12.00	7 - 14*
MUSTARD	\$16.00	\$12.00	7
OATS	\$16.00	\$ 8.00	10 + 5 if freshly harvested
OKRA	\$16.00	\$ 8.00	14
PEAS (garden & field)	\$16.00	\$ 8.00	8
PEANUTS	\$16.00	\$ 8.00	10
RICE	\$16.00	\$ 8.00	7 - 14*
RYE	\$16.00	\$ 8.00	7 + 5 if freshly harvested
RYEGRASS	\$16.00	\$12.00	14
SORGHUM	\$16.00	\$ 8.00	10
SOYBEANS	\$16.00	\$ 8.00	8
TURNIP/RAPE	\$16.00	\$12.00	7
VETCH	\$16.00	\$ 8.00	10 - 14*
WHEAT	\$16.00	\$ 8.00	7 + 5 if freshly harvested
VEGETABLES	\$16.00	\$12.00	*depends on kind

* — A test may be terminated prior to the number of days listed for the test if the analyst is confident the maximum germ of the sample has been obtained.

THE TESTING FEE FOR CROPS NOT LISTED WILL BE THE SAME AS A LISTED CROP WITH SIMILAR COMPLEXITY. CALL THE ARKANSAS DEPARTMENT OF AGRICULTURE (ADA) FOR EXACT FEE INFORMATION. (501) 225-1598

ANALYSIS FOR MIXTURES \$8.00 - will be charged for each additional component in a mixture.

SAMPLING FEE \$15.00 – A fee is charged for samples drawn by ADA Inspectors on non-certified seed. No fee is charged for samples under consideration for Certification, provided a representative sample is drawn.

HANDLING FEE \$ 3.00 – A fee is charged for samples that are picked up by ADA Inspectors on non-certified seed. No fee is charged for samples under consideration for Certification.

PRIORITY SAMPLES \$25.00 - This service provided to the seedsman/farmer which allows samples to be tested ahead of other samples in the lab. This fee is an addition to the fee for the test(s) requested.

PURITY FIRST \$ 1.00 – Upon request, a preliminary purity report will be given upon completion of the test.

ADDITIONAL ANALYSIS REPORTS \$1.00 - For each additional requested copy of the analysis report.

TETRAZOLIUM TEST (TZ) \$15.00 - This is a chemical test that may give an estimate of the germination potential, usually within 24 hours from the receipt of the sample. THIS IS NOT AN OFFICIAL GERMINATION TEST AND MAY NOT BE USED TO LABEL SEED FOR GERMINATION.

VIGOR TESTS \$12.00 - Seed vigor comprises those properties which determine the potential for rapid uniform emergence and development of normal seedlings under a wide range of field conditions.

Accelerated Aging (soybeans, wheat): Places seed under stress conditions of high temperature and humidity to estimate longevity of seed in warehouse storage and predict stand establishment. This test takes approximately 2 weeks to complete on wheat that is freshly harvested, and approximately 11 days for soybeans.

Cool Test (cotton): Places seed under stress conditions of cool temperatures, simulating early planting conditions. This test takes 7 days to complete.

Complete Seedling Count (garden beans): Normal seedlings are classified as strong or weak based on presence of seedling structures. This test takes approximately 7 days to complete.

VARIETAL TESTS \$12.00 - There are several aids which enable the analyst to determine, confirm, or group seed as to variety based on numerous tests. **PLEASE REFER TO THE LATEST ISSUE OF THE ARKANSAS CERTIFIED SEED DIRECTORY FOR CROPS WHICH ARE UNDER CONSIDERATION FOR CERTIFICATION FOR THE EXACT PROCEDURE OF CROP AND GRADE IN QUESTION.**

Phenol Test (wheat): This is a chemical varietal test that groups varieties of wheat into several color reaction categories based on the genetic makeup of the variety. This test takes approximately 24 hours to complete.

Coleoptile Test (wheat): This is a grow-out varietal test that groups varieties of wheat based on anthocyanin or purple pigment development in coleoptiles (stems) when planted under strong lighting conditions. This test takes approximately 10 - 14 days to complete.

Fluorescence Test (oats): When placed under an ultraviolet light, varieties of oats will either be fluorescent or non-fluorescent, based on the genetic makeup of the variety. This test takes approximately 2 hours to complete.

Hypocotyl Test (soybeans): Soybean seedlings will exhibit the pigmentation of the flower color of the variety when planted under strong lighting conditions. The hypocotyl (stem) area of the seedling will remain green (white flower) or will turn purple (purple flower) within a few days of emergence. This test takes approximately 7 days to complete.

Peroxidase Test (soybeans): This is a chemical varietal test that determines the presence or absence of the gene for peroxidase activity. This test takes approximately 2 hours to complete.

Herbicide Tolerance Tests - Soybeans. The determination of tolerance to certain herbicides such as Roundup®.

Roundup® Herbicide Tolerance Test \$15.00: This is a combination chemical & grow-out test for the determination of tolerance to Roundup®. 200 seeds are conditioned overnight and then soaked in a herbicide solution for a short time. The solution is then drained off and the seed is planted by normal laboratory procedures. This test takes approximately 6 days to complete. (An additional \$10 is charged when a 400 seed test is requested.)

STS® Herbicide Tolerance Test \$25.00: This is a grow-out test for the determination of tolerance to STS. 200 seeds are planted on towels moistened in a herbicide solution. This test takes approximately 8 days to complete. (An additional \$10 is charged when a 400 seed test is requested.)

SEED DEALER'S LICENSE

ANY PERSON WHO SELLS OR DISTRIBUTES AGRICULTURAL SEED FOR PLANTING PURPOSES WITHIN OR INTO THE STATE MUST HAVE A VALID LICENSE FROM THE ARKANSAS DEPARTMENT OF AGRICULTURE. Licenses are issued annually and cover the period of July 1 through June 30th .

EXCEPTIONS TO THIS REQUIREMENT:

1. A company/person selling their own production of Arkansas Certified tagged seed. (Applies to Certified Seed Producers of 100 acres or less.)
2. A person selling only seed that has been sampled and tested by the Arkansas Department of Agriculture and for which the Arkansas Department of Agriculture has completely printed labels.
3. A person selling only seed that has been obtained from a licensed Seedsman in full compliance with regulations and on which the inspection fee has been paid.

NOTE: **1. Companies with subsidiaries with different names must have a separate license for each name (if seed labeled from that location is distributed into or within Arkansas).**

2. Companies with subsidiaries with the same name may use their license to cover more than one location provided they have the ability to report seed sales into or within Arkansas for each location and accept responsibility for any fees or violations made at each location. An additional Registration Fee is charged for each subsidiary of a licensed company that sells field crops such as rice, soybeans, and small grains, etc. within or into Arkansas.

FORM ASDL
(rev. 8/2020)

ARKANSAS DEPARTMENT OF AGRICULTURE – SEED SECTION

() ()

NAME IN WHICH LICENSE IS TO BE ISSUED (should be the same as on seed labels) PHONE FAX

MAILING ADDRESS TOWN STATE ZIP

E-MAIL ADDRESSES

Send Tonnage Fee Report Forms to the Attention of: _____
Owner/Manager Other (Please Print Name)

Is this license for Industrial Hemp seed? (circle Yes or No)	YES	NO	Are you licensed to grow/handle Industrial Hemp in your state mentioned above? (circle Yes or No)	YES	NO
--	-----	----	---	-----	----

Companies with subsidiaries with the same name may use their license to cover more than one location provided they have the ability to report seed sales into or within Arkansas for each location and accept responsibility for any fees or violations made at each location. (Companies with subsidiaries with different names must have a separate license if seed labeled from that location is distributed into or within Arkansas.)

PLEASE NOTE: All companies with subsidiary locations that sell agricultural seed in Arkansas for planting field crops such as rice, soybeans, and small grains, etc. must register each location and pay required registration fees (see form SDL- REG included in this packet).

A TONNAGE FEE MUST BE PAID ON ALL AGRICULTURAL SEED SOLD WITHIN OR INTO THE STATE OF ARKANSAS. CHOOSE EITHER THE REPORTING SYSTEM, OR THE PERMIT LABEL SYSTEM, LISTED BELOW:

CHOOSE ONE: Either A) The REPORTING System or B) The PERMIT LABEL System

_____ A) REPORTING SYSTEM (most common option) This is a flexible system that allows you to sell seed either in the bulk or in containers or both. A report is filed with the Seed Section each quarter, covering all seed sold within or into Arkansas, not carrying an Arkansas Department of Agriculture Plant Board label. The tonnage fee is ten (10) cents per hundred pounds of seed sold.

_____ B) PERMIT LABEL SYSTEM (rarely chosen option) All seed must be sold in containers. Super bags or other bulk containers are not eligible to be used under the permit label system. Permit labels are purchased from the Arkansas Department of Agriculture and attached to each container. Permit labels with just the seedman's name and address are ten (10) cents each.

THIS IS TO CERTIFY THAT APPLICANT HAS READ CIRCULAR 10: REGULATIONS ON THE SALE OF PLANTING SEED IN ARKANSAS, AND AGREES TO OBSERVE SAID REGULATIONS. APPLICANT UNDERSTANDS THE SEED LABELER'S LICENSE MAY BE CANCELLED AT ANY TIME FOR FAILURE TO OBSERVE THESE REGULATIONS, AND THE PLANT BOARD OR IT'S REPRESENTATIVE, IS AUTHORIZED TO INSPECT THE RECORDS, DURING NORMAL BUSINESS HOURS, OF ANY PERSON SUBJECT TO COMPLIANCE WITH THESE REGULATIONS.

ANNUAL LICENSE FEE OF \$250.00 IS FOR THE FISCAL YEAR BEGINNING JULY 1 - JUNE 30.

RETURN TO:

**ARKANSAS DEPARTMENT OF AGRICULTURE
SEED SECTION
#1 NATURAL RESOURCES DRIVE
LITTLE ROCK, AR 72205**

AMOUNT ENCLOSED \$ _____

DATE: _____

OWNER / MANAGER (signature) OWNER / MANAGER (print name)

FOR QUESTIONS OR HELP COMPLETING THIS FORM, PLEASE CALL THE SEED SECTION AT (501) 225-1598
 OR E-MAIL REGULATORYSEED@AGRICULTURE.ARKANSAS.GOV


TONNAGE FEE

All seed sold within or into Arkansas must have a tonnage fee paid on it. The purpose of the fee is to help pay for the seed control work performed by the Arkansas Department of Agriculture (ADA). The Seed Section is supported solely by fees.


There are two ways in which the tonnage fee can be paid, either by the purchase of ADA Seed labels and permits, or by the use of the quarterly tonnage reporting system.

The reporting system consists of quarterly seed tonnage reporting, which includes the total number of pounds of seed sold subject to the reporting system, at 10 cents per one hundred pounds. Forms such as the one below can be printed from our web site:

<https://www.agriculture.arkansas.gov/licensing>


 Asa Hutchinson
 Governor

ARKANSAS DEPARTMENT OF AGRICULTURE
 1 Natural Resources Drive, Little Rock, AR 72205
 agriculture.arkansas.gov
 (501) 225-1598


 Wes Ward
 Secretary of Agriculture

FIRST QUARTER (July - September) SEED TONNAGE FEE REPORT

THIS REPORT MUST BE COMPLETED AND FILED BY OCTOBER 31, **WHETHER OR NOT ANY SEED HAS BEEN SOLD OR DISTRIBUTED DURING THIS QUARTER.** If you have questions or need help completing this form, call (501) 225-1598.

Company Name _____ License Number _____

Address _____
STREET OR BOX TOWN STATE ZIP

DO NOT INCLUDE THE FOLLOWING IN THIS REPORT:

1. BAGGED SEED CARRYING AN OFFICIAL ARKANSAS DEPARTMENT OF AGRICULTURE (ADA) TAG/LABEL, PURCHASED FROM THE ADA AND BULK CERTIFIED SEED SOLD ON CERTIFIED BULK CERTIFICATES.
2. SEED SOLD INTO ANOTHER STATE, OTHER THAN ARKANSAS.
3. SEED WHICH HAS ALREADY BEEN ACCOUNTED FOR BY ANOTHER ARKANSAS LICENSED SEEDSMAN.

List the total pounds for each crop below, then add up the total pounds sold and enter on line (A).

_____ lbs. _____ lbs. _____ lbs. _____ lbs. _____ lbs. _____ lbs.

soybeans rice wheat cotton corn all other

A. _____ TOTAL NUMBER OF POUNDS OF SEED SOLD OR DISTRIBUTED WITHIN OR INTO THE STATE OF ARKANSAS, SUBJECT TO THE INSPECTION FEE DURING JULY 1 - SEPTEMBER 30.

B. \$ _____ AMOUNT DUE = (total number of pounds divided by 100) x \$0.10

C. \$ _____ Add 10% PENALTY, IF FILED AFTER OCTOBER 31 - Must be postmarked by November 1st to avoid penalty.

D. \$ _____ TOTAL ENCLOSED (if less than \$1.00, you may remit the next quarter, but a report must be filed each quarter.)

I hereby certify the information given herein is true and correct and I have read and am familiar with Section 2 of Circular 10, covering the Regulations concerning Quarterly Seed Reports. I also understand the Arkansas Department of Agriculture or its representative, is authorized to inspect my records during normal business hours.

RETURN TO:
 Arkansas Department of Agriculture
 1 Natural Resources Drive
 Little Rock, Arkansas 72203
 Regulatoryseed@agriculture.arkansas.gov

SIGNED _____
 by _____
 Date _____

LABELING REQUIREMENTS

ALL AGRICULTURAL SEED FOR PLANTING PURPOSES MUST HAVE A LABEL THAT CARRIES CERTAIN SPECIFIED INFORMATION. A VIOLATION OF ANY POINT MAY BE CAUSE FOR THE INSPECTOR TO ISSUE A STOP-SALE.

SEED IN CONTAINERS The labeling information may be on a tag and/or label or on the container.

SEED IN BULK Each sale of bulk seed must be accompanied by a label. The information may be on an invoice or on a separate sheet or tag.

EXCEPTION: In retail stores where sales are made from small open containers, the label shall be openly displayed on each container and the analysis need not be given to the purchaser of each sale.

INFORMATION REQUIRED ON THE LABEL

1. Seedsman's or vendor's name and address.
2. Kind and variety of seed - if variety not listed, state "Variety Not Stated". Some kinds are required to be labeled by variety name. (Soybean, Rice, Cotton & Wheat - see Circular 10, Section 2.D. Variety /Brand Labeling Requirements)
3. Lot Number.
4. Origin, or if unknown, a statement to that effect.
5. Year grown for certified cotton.
6. Percentage of pure seed.
7. Percentage of weed seed.
8. Percentage of other crop.
9. Percentage of inert matter.
10. Percentage of germination exclusive of hard seed, and percentage of hard seed if present.
11. Month and year of completion of germ test. Test is valid for nine months, not including the month the seed was tested.
12. Net weight of contents, with the exception of corn, which may be on the label or bag in the vicinity of the label.
13. Any tall fescue offered for sale in Arkansas, certified or non-certified, must have shown on the tag that the seed contains ryegrass, if any, and the amount given in percentage. If no ryegrass is found in the sample, the tag shall state, "No Ryegrass Found".
14. The name and number of noxious weed seeds present per pound, or if none are present, a statement to that effect.

MAXIMUM NUMBER OF NOXIOUS WEEDS PERMITTED PER POUND

Category	Noxious Weeds
PROHIBITED	Balloonvine (Cardiospermum halicacabum)
	Crotalaria (Crotalaria spp.)
	Field Bindweed (Convolvulus arvensis)
	Itchgrass (Rottboellia cochinchinensis)
	Nutgrass (Cyperus Rotundus)
	Serrated Tussock (Nassella trichotoma)
	Tropical Soda Apple (Solanum viarum)
<p style="text-align: center;">NOT MORE THAN 2 PER POUND IN SEED THE SIZE OF OATS, SORGHUM, VETCH, ETC. OR NOT MORE THAN 18 PER POUND IN SEED THE SIZE OF CLOVER, SUDANGRASS, ETC.</p>	Wild Onion/Garlic (Allium spp.)
NOT MORE THAN 3 PER POUND	Cocklebur (Xanthium spp.)
NOT MORE THAN 100 PER POUND	Johnsongrass (Sorghum halepense)
<p style="text-align: center;">NOT MORE THAN 300 PER POUND OF ANY ONE NOXIOUS WEED OR MORE THAN 500 PER POUND OF ANY COMBINATION OF TWO OR MORE.</p>	Bermudagrass (Cynodon dactylon)
	Blueweed (Helianthus ciliaris)
	Dock/Sheep Sorrel (Rumex spp.)
	Dodder (Cuscuta spp.)
	Morningglory (Ipomoea spp.)
	Giant Foxtail (Setaria faberi)
	Darnel (Lolium temulentum)
	Buckhorn Plantain (Plantago lanceolata)
	Corncockle (Agrostemma githago)
	Hedge Bindweed (Convolvulus sepium)
	Cheat or Chess (Bromus secalinus or *commutatus) <small>*Bromus commutatus not noxious in Smooth Bromegrass</small>
	Horsenettle (Solanum carolinense)
	Moonflower (Ipomoea turbinata)
	Purple Nightshade (Solanum elaeagnifolium)
*Barnyardgrass (Echinochloa crusgalli)	
NOXIOUS ONLY WHEN FOUND IN RICE. NOT MORE THAN 15 PER POUND ALLOWED.	Coffeebean/Tall Indigo (Sesbania exaltata)
	Curly Indigo (Aeschynomene spp.)
	Red Rice (Oryza sativa var.)

EXCEPTION: Bermudagrass and johnsongrass may be sold as agricultural seed for planting purposes in a pure state or in mixtures. Seed containing bermudagrass or johnsongrass in amounts of less than 5% may be sold if warning tags are attached and the number per pound is shown on the analysis tag.

SEED CONTAINING ONION, JOHNSONGRASS, AND BERMUDAGRASS MUST CARRY A WARNING TAG.

ANALYSIS FOR MIXTURES

If the seed consists of a mixture of two or more kinds of field seeds, the word "MIXTURE" and the percentage of pure seed for each kind that is present in excess of 5% must be shown in the analysis. The percentage of germination must be given for each and the percentage of hard seed, if present, must be given.

LIMIT ON AMOUNT OF WEED SEED

Seed for planting purposes must not contain more than 2% by weight of weed seed.
EXCEPTION: Limit of 4% for lespedeza and grasses.

TALL FESCUE CONTAINING RYEGRASS

All Tall Fescue offered for sale must have shown on the label either the percentage ryegrass present or, if none is found, the statement "NO RYEGRASS FOUND."

TREATED SEED

The following information (in type no smaller than 8 point) MUST be on the analysis label, on a separate tag, or printed on the side or top of each container of seed that has been chemically treated.

1. The seed in this bag has chemically treated. The chemical(s) is used in accordance with the manufacturer's recommendations.
2. Label is to show name of substance (s) used. The name of the substance will be the commonly accepted coined, chemical (generic) or abbreviated chemical name.
3. The appropriate toxicity category signal word (danger, warning or caution) shall be a part of the label. The signal word shall correspond to toxicity categories as set forth in the Title 40 Code of Federal Regulations.

SEE CIRCULAR 10, SECTION 2 (H) FOR TOXICITY CATEGORIES.

SIGNAL WORDS

DANGER - Category I - include Poison and skull & Crossbones ("Poison" in red letters. Skull & Crossbones at least twice the size of type used for information required on the label), except in the case of pesticides requiring the signal word, DANGER, because of skin and eye local effects.

WARNING - Category II

CAUTION - Categories III and IV

(Note: see page 44 in this Manual for information on licensing of Seed Treating Plants)


STOP-SALE ORDER - INSPECTOR

Seed may be withheld from sale either by the Inspector or by Seed Section staff. A stop-sale order need not be issued on minor technicalities that can be corrected while the inspector is present. For example, if there is an omission on the tag such as net weight, origin of the seed, etc., the retailer may telephone the wholesaler for this information while the inspector is there. Arrangements for compliance with the regulation must be made before the inspector leaves.


The inspector will issue the order under the following circumstances:

1. When he/she finds seed which in any way does not comply with the Regulations on the Sale of Planting Seed in Arkansas.
2. When he/she believes the seed to be mislabeled. For example:
 - (A) One portion of the lot has been found mislabeled and a directive is issued from the office to stop-sale all portions of the same lot.
 - (B) Seed treatment is evident, but no poison tags are attached.

When it is determined that the seed should be withheld from sale, form STOP SALE ORDER and RELEASE OF STOP SALE ORDER (shown below) is to be completed by the inspector.



ARKANSAS DEPARTMENT OF AGRICULTURE
 1 Natural Resources Drive, Little Rock, AR 72205
 agriculture.arkansas.gov
 (501) 225-1598



STOP SALE ORDER and NOTICE OF RELEASE OF STOP SALE ORDER

Location issued _____

Location address _____

Location city _____ Location state _____ Location zip _____

Location phone _____

Location e-mail _____

Kind of seed _____

Variety name _____ Brand name _____

Lot number _____

Quantity on hand _____ Quantity originally received _____

Name on seed label _____

Address on seed label _____

Original shipper of seed _____

Original shipper address _____

Original shipping date _____

This seed is in violation of _____

Violation reason _____

It is illegal to move this seed from the premises for any purpose whatsoever until it has been released in writing by the inspector or an authorized person in the Arkansas Department of Agriculture. When the law has been complied with and you wish to secure release, or if you wish to return seed to shipper, contact either the Arkansas Department of Agriculture or the undersigned.

Date Stop Sale issued _____ Date Stop Sale released _____

Date Seed sampled _____ Seed Lab number _____

Inspector name _____ Releasing Inspector name _____

Inspector signature _____ Releasing Inspector signature _____

Company signature _____ Company signature _____

Sample notes and detail of steps taken to qualify for Release of Stop Sale:

RELABELED DISCARDED

NOTES: _____


Print This Form
Save This Form
Clear This Form

INSTRUCTIONS FOR COMPLETION

Location issued	Location/company name where the seed is being sampled		
Location address	Location/company address where the seed is being sampled		
Location city	Sampled-at city	Location state	Sampled-at state
			Location zip
Location phone	Location/company phone number		
Location e-mail	Location/company e-mail		
Kind of seed	Kind(s) of seed as shown on the label		
Variety name	Varieties shown on label	Brand name	Brand name shown on label
Lot number	Lot number on the label		
Quantity on hand	Number of bags on hand	Quantity originally received	Original number of bags
Name on seed label	Company name printed on the seed label		
Address on seed label	Address, City, State, Zip printed on the seed label		
Original shipper of seed	Original shipper of the seed's company name, from invoice or shipping records		
Original shipper address	Original shipper of the seed's address, from invoice or shipping records		
Original shipping date	Original shipping date of the seed, from invoice or shipping records		
This seed is in violation of	[Enter the law or regulation, like Circular 10, Labeling, page 5]		
Violation reason	[Enter the nature of the violation, such as "no noxious weed statement"]		
<p>It is illegal to move this seed from the premises for any purpose whatsoever until it has been released in writing by the inspector or an authorized person in the Arkansas Department of Agriculture. When the law has been complied with and you wish to secure release, or if you wish to return seed to shipper, contact either the Arkansas Department of Agriculture or the undersigned.</p>			
Date Stop Sale issued	Date issued	Date Stop Sale released	Release Date (if released)
Date Seed sampled	Date seed sampled	Seed Lab number	[Entered by Seed Section staff]
Inspector name	Sampling inspector	Releasing Inspector name	Releasing inspector
Inspector signature	Inspector signature	Releasing Inspector signature	Releasing inspector signature
Company signature	Company Signature	Company signature	Releasing company signature
Quick check boxes for: RELABELED (if seed is or to be relabeled), or DISCARDED (if seed is or will be discarded)			
Sample notes and detail of steps taken to qualify for Release of Stop Sale:			

DISTRIBUTION OF STOP-SALE ORDER

E-mail an “unreleased” copy to the Dealer/Person possessing the seed, as well as to Regulatoryseed@agriculture.arkansas.gov. Retain a copy for your files. You will use this information when completing the Release section upon issuing a release. A red-colored Stop-sale tag is to be completed and attached to each lot of seed that is withheld from sale on orders from either the inspector or the Seed Section. The stop-sale tag may be removed upon compliance with the regulations and the release of the seed. Tags are available in the Seed Section and/or Mail Room storage area.

	FROM THE DEPARTMENT OF AGRICULTURE PLANT INDUSTRIES DIVISION	
	<h1>STOP SALE</h1>	
THIS	<input type="checkbox"/> SEED <input type="checkbox"/> FEED <input type="checkbox"/> FERTILIZER	<input type="checkbox"/> PESTICIDE <input type="checkbox"/> INDUSTRIAL HEMP <input type="checkbox"/> _____
IS NOT TO BE SOLD OR MOVED WITHOUT WRITTEN PERMISSION		
NO. OF CONTAINERS _____	SIZE OR WEIGHT _____	LOT NO. _____
PRODUCT _____		
INSPECTOR _____		DATE _____

STOP-SALE NOTICE - ISSUED FROM OFFICE

After a regulatory sample has been sent by the inspector, the Arkansas Department of Agriculture Seed Lab examines the sample to determine if the seed has been correctly labeled. If the lab finds any part of the analysis is out of tolerance, the Seed Section will issue a stop-sale notice. The inspector who sampled the seed will receive a copy as well as the person who is in possession, the seedsman whose name is on the label, and the shipper. The inspector will use this information to issue the release when the seed has been brought back into compliance or the seed is to be returned to the manufacturer.

Due to the lapse of time between taking the sample and completing all or the lab tests, some or all of the seed may be sold by the time an office stop-sale is issued. The inspector will still need to submit a release stating that the seed was all sold.

NOTICE OF RELEASE OF STOP-SALE ORDER

Each Stop-Sale Order, whether issued by the inspector or by the office must be followed by a release. Seed is released upon compliance with the regulations. The information for completing the release form is located on the original Stop-Sale Notice that was issued, in the section entitled “**Sample notes and detail of steps taken to qualify for Release of Stop Sale:**” **EXAMPLES:** Permit tags attached; Corrected analysis labels attached; Seed sold prior to receiving notice; Seed returned to manufacturer.

DISTRIBUTION OF NOTICE OF RELEASE OF STOP-SALE ORDER

E-mail a “released” copy to the Dealer/Person possessing the seed, and to Regulatoryseed@agriculture.arkansas.gov. Retain a copy for your files.

SAMPLING PROCEDURES

ALL SAMPLES ARE TO BE TAKEN IN SIMILAR MANNER, GENERALLY ONLY THE PAPERWORK WILL BE DIFFERENT, DEPENDING IF THE SAMPLE IS REGULATORY, NON-CERTIFIED SERVICE SAMPLE OR A CERTIFIED SERVICE SAMPLE. (For more detailed instructions, refer to AASCO Handbook on Seed Sampling)

GENERAL SAMPLING PROCEDURE

1. To secure a representative sample, equal portions shall be taken from evenly distributed parts of the quantity of seed to be sampled. Access shall be had to all parts of that quantity.
2. For free-flowing seed in bags or bulk, a probe or trier shall be used. For small free-flowing seed in bags, a probe or trier long enough to sample all portions of the bag shall be used.
3. Non-free-flowing seed, such as certain grass seed, uncleaned seed, or screenings, difficult to sample with a probe or trier, shall be sampled by thrusting the hand into the bulk and withdrawing representative portions.
4. Composite samples shall be obtained to determine the quality of a lot of seed, such as the percentage of pure seed, other crop seed, weed seed, inert matter, noxious weed seed, germination, varietal purity, and moisture. Individual-bag samples may be obtained to determine whether the seed is of uniform quality.

SAMPLING SEED IN BAGS

Samples should be drawn from unopened bags under circumstances where the identity of the seed has been preserved such as: the Inspector is present at time bag is opened; If there is a complaint and the grower has only an opened bag remaining; If there is no other seed present with which it could have been contaminated.

Care should be used to avoid as much damage to the bag as possible. If pallets are plastic wrapped, make sure you tape the "bag" and not just the plastic covering.

AMOUNT TO SAMPLE

1. For lots of six bags or less, each bag is to be sampled.
2. For lots of more than six bags, sample five bags plus at least 10% of the number of bags in the lot. Round off the next whole number. Regardless of the lot size, it is not necessary to sample more than 30 bags.

EXAMPLE:

Number of bags in the lot:	7	10	23	50	100	200	300	400
Number of bags to sample:	6	6	7	10	15	25	30	30

Our sampling protocol for “Mini-bulk” containers like superbags, polybags, Q-bit plastic containers, etc.

Using your official 5' or 6' chambered grain probe:

A: Regulatory or Non-Certified samples:

Option 1: 5 bags + 10% with a maximum of 8 bags (1 probe per bag)

Or

Option 2: A maximum of 4 with 3 probes per bag (less than 4 bags in lot, sample all and always take an equal number of probes per bag)

B. Certified Seed:

5 bags + 10% with a maximum of 8 bags

For RICE, sample two probes per container or whatever it takes to get enough for a certified sample.

PACKET SAMPLES FOR UNIFORMITY

In obtaining packet samples to test for uniformity, four bags shall be sampled from each 100 bags or less, in the lot. A composite sample is also submitted for comparison.

(1) Take packet samples when sampling fuzzy cotton.

Since most cotton seed is acid-delinted now, this is rarely if ever done anymore.

(2) Take packet samples any time that you suspect the lot not to be uniform, such as you are taking your sample, you notice that the “color” of the seed does not appear to be the same, or the quality is poorer in some bags, or treatment not uniform, etc.

SAMPLES RETAINED BY DEALER

Upon request of the dealer, a portion of the official sample may be retained for their file, provided an approved mechanical divider is furnished the Arkansas Department of Agriculture Inspector. Samples will be sealed and properly identified by the inspector.

SIZE OF SAMPLE

Use the following as a general rule of thumb when submitting seed for an analysis.

½ lb. For small seeds such as bermudagrass, clovers, fescues, etc.

1 - 1 ½ lbs. for seeds such as wheat or oats.

2 lbs. for non-certified soybeans.

2 ½ – 3 lbs. for non-certified rice.

3 - 4 lbs. for certified soybeans (composite) and 1 lb. For the moisture.

5 - 6 lbs. for certified rice (composite) and 1 lb. For the moisture.

TREATED SEED

Precautions should always be used when handling treated seed. Speak with your supervisor regarding proper protective equipment (gloves, masks, etc.) for sampling treated seed.

When submitting a sample to the lab, either sampled by the inspector or picked up by the inspector, the Seed Laboratory staff must know the treatment for their safety. Either submit a copy of the treatment label or write the chemical information on the sample record.

REGULATORY SAMPLES

These are samples, taken by the inspector, of seed that is being distributed, sold, or offered for sale for planting purposes. The information on the analysis label will be checked by the seed lab to determine if the seed is in fact, correctly labeled. (**NOTE:** Seed not tested with a Complete Analysis **should not be sampled as a regulatory sample**. Samples for labeling purposes should be sent in as a Non-Certified or Certified Sample.) The inspector is authorized to pay for seed taken in sampling, if asked to do so. Submit receipt and claim on the TR-1 for repayment.

INSPECTOR'S SAMPLE NUMBER

1. Each July 1, start with your first, middle, and last initials, then the number 1. Number samples consecutively. Example: MCL-001, MCL-002, MCL-003, etc.
2. Maintain a log for your samples. This provides you with a record and assures that you are maintaining consecutive numbers.

SEED TO BE SAMPLED

1. All lots not previously sampled.
2. Lots recently reported as being mislabeled.
3. Seed about which the dealer has a complaint.
4. Seed of new producers or dealers (seed not likely to be found in other areas).
5. Refrain from sampling one bag lots, such as often occurs with garden beans.

OBTAINING THE REGULATORY SAMPLE

1. Check the label on each bag sampled to be **sure** that only **one** lot is being represented by the sample.
2. Obtain a label or tag from the lot being sampled, or a picture of the entire tag, and attach it to the regulatory paperwork. Put the date and the inspector's number on the label or tag.

Note: If a label or tag is removed from the bag, the inspector **must** complete an inspector's tag and replace it with the label or tag taken from the bag.


3. Submit the treatment tag on label if seed is treated.
4. If the label is printed on the bag, you may collect one or more pictures of the label with your mobile phone, to e-mail back to the Seed Office, along with your sample record. Make sure your pictures are clear, and completely cover the front and back of the label (legally, the ENTIRE bag surface is considered part of the label). If no label copy is available, and no picture is taken, you must hand-enter the information located in the analysis section on the REGULATORY FORM. If there are several lots for a company, try to get a label from at least one lot - carefully removing the outer portion of the bag with the label information. **DO NOT TEAR THE LABEL INFORMATION FROM THE BAG**, leaving a damaged bag that seed can spill from.

AutoSave Off | Regulatory Sample Record

File Home Insert Page Layout Formulas Data Review View Developer Help ACROBAT Search

Clipboard Font Alignment Number

REGULATORY SEED SAMPLE RECORD

1																
2	ARKANSAS DEPARTMENT OF AGRICULTURE											To be Completed by the Seed Lab				
3												Lab No.:				
4												<div style="border: 1px solid green; padding: 5px; display: inline-block;">REGULATORY SEED SAMPLE RECORD</div>				
5																
6																
7																
9	Variety:	Kind:				Brand:										
10	Lot No.:					Inspector # (JDC-001):										
11	Seed Certified (T/F)	Certified Class:	Seed for:				Origin (State):									
12	Sampled at Name:															
13	Sampled at Complete Address:															
14	Shipped by Name:															
15	Shipped by Complete Address:															
16	No. of Bags on Hand:	No. Sampled:	Bags were:	Method Used:												
18	Copy of Analysis Requested? (Y/N)															
19	Complete:	Purity:	Germ:	Vigor:	Treatment											
20	Remarks:															
22	Inspector's Signature:										Date Sampled:					
24	ADA FIELD INSPECTOR: Complete if Tags/Labels Cannot be Attached															
25	Name on Label:															
26	Address on Label:															
27	Variety:	Kind:	Lot Number:				Test Date:									
28	AR Permit Number R-	Net Weight:	Ryegrass Percent:				Endophyte Percent:				Live Endophyte:					
29	Name & No. of Noxious Weeds Per Pound															
30	Pure Seed:	Weed Seed:	Crop Seed:	Inert:	Germ Percent:	Hard/Dormant:	Total Germ & Dormant:									

INSTRUCTIONS TO COMPLETE THE REGULATORY SEED SAMPLED RECORD

1. Variety & Kind & Brand: Take this information from the label.
2. Lot Number: Take this information from the label.
3. Inspector Number: Samples are numbered in sequence, beginning July 1 with the inspector's three initials, a hyphen, and then three sequential numbers, starting with 001, 002, 003, etc., continuing through the next June 30th of the following calendar year.
4. Seed Certified: True or False.
5. Certified Class: Foundation (FD), Registered (REG), Certified Blue-Tag (BT).
6. Seed For: Check the appropriate answer: Own Use, or Resale.
7. Origin: List the state in which the seed was grown (pulled from the seed label).
8. Sampled At: Enter the complete name and address of the company in possession of the seed.
9. Shipped By: Enter the complete name and address of who shipped the seed.
10. No Bags On Hand: Enter the number of bags that were in the lot that was sampled. If the seed is in bulk, enter the number of bushels and specify that the seed was in bulk.
11. Bags Were: Check the appropriate answer, Opened or Unopened.
12. Method Used: Check the appropriated answer, the probe size used for sampling.
13. Copy Of Analysis Requested: Check or complete the appropriate answer. Unless otherwise stated, the analysis report will be sent to the company in possession of seed. There is a charge for all tests reported. SEE LAB CURRENT FEE LIST FOR THE APPROPRIATE CHARGE.
14. Treatment: Enter the name of the substance that the seed was treated with so that the lab personnel may take appropriate precautions when handling the seed. You should also exercise caution when handling treated seed. We will supply you with gloves and masks upon request. Some of the treatments could be dangerous, if handled carelessly.
15. Remarks: Enter any pertinent information that is not already listed on the form.
16. Inspector's Signature: Give a complete signature, or type in name if e-mailing form.
17. Date: Enter the date when the regulatory sample was taken.
18. Witness: Not mandatory to be completed.
19. Complete If Tags.....: Complete this section only if a tag/label cannot be attached and cannot be e-mailed. If the analysis is printed directly on the bag, in most cases - do not remove, just complete this section. However, in many cases we do need a sample or copy of the label -see instructions on obtaining the regulatory sample.

NOTE: Check [<https://www.agriculture.arkansas.gov/plant-industries/seed-section/>] to see if the company name / address listed on the label has a seed dealer license. If not, issue a stop sale.

20. Description Of Shipment To Be Completed On Request From Office: If, for any reason, the Federal Seed Lab calls for this record, this form will be sent back to you for completion. You may complete this section during your routine sampling, if you wish.

INSTRUCTIONS TO COMPLETE THE REGULATORY SEED SAMPLE SACK

AT THE TIME THE SAMPLE IS DRAWN, the sample sack should be filled out with:

- (a) Inspector's number and initials, which must correspond with the seed sample record and submitted tag/label.
- (b) The complete name and address of the seedsman on tag/label.
- (c) Kind and Variety of seed which is inside the sack.
- (d) Lot number.
- (e) Date sampled.

INSTRUCTIONS FOR SUBMITTING TAGS AND/OR LABELS WITH PAPERWORK

Always put the date and the inspector's sample number (for example, JDC-001) on each and every tag/label that belongs with the paperwork, or at least indicate this when e-mailing regulatory seed sample information. This includes the analysis tag and treatment tag, if the seed is treated.

SEND A COPY OF THE OFFICIAL SEED SAMPLE RECORD AND THE SEED SAMPLE TO THE ARKANSAS DEPARTMENT OF AGRICULTURE SEED LAB. DO NOT LET THE SEED SIT IN HOT OR MOIST AREAS. Seed is a living organism, and must be cared for in order to survive until it reaches the Seed Lab. The seed analysis is only as good as the sample, therefore high importance should be placed on getting a representative sample and promptly sending to the lab.

REMINDER: OUT-OF-DATE SEED SHOULD NOT BE SAMPLED ON REGULATORY SAMPLE RECORDS.

Process for sampling or sending in "out-of-date" seed for new germ test:

1. For **non-certified seed**, sample for germ using non-certified service sample records. If you pull the sample, a \$15 sampling fee will be charged plus the cost of the germ test. If the location pulls the sample, and you pick it up and ship it to us, only a \$3 handling fee and the cost of the germ test will be charged.
2. For **other states' Certified seed** new labels will have to be printed. Pull a representative sample and use the certified sample record. **A certified label from the seed lot must be attached to the sample record.** Request a "Complete" analysis and be sure and include the number of units and weight. If the seed meets the AR certification standards, the Seed Section staff will issue Arkansas Certified labels with an **Interagency statement** on the label -showing "**Grown and Certified in (original state), tested and labels printed in AR**".
3. For **Arkansas Certified Seed**, bagged & tagged, sample for "Germ Only" using the certified sample record and attach a copy of the certified label. Show the number of labels needed. Seed staff will print new AR Certified labels with the updated germ test date if the seed meets the germination standard. If the seed has been removed from its original packaging, rather than a "Germ Only," you will need to request a "Complete" analysis.

NON-CERTIFIED SERVICE SAMPLES

These are samples that may be taken by the Inspector, but only upon request from the customer. The Inspector usually has to pick the sample up and complete the paperwork for the customer.

INSTRUCTIONS TO COMPLETE THE NON-CERTIFIED SEED SAMPLE RECORD

1. Name & Phone & Email: Enter the company name or seed submitter name, phone number, and e-mail address.
4. Address: Enter the **COMPLETE MAILING ADDRESS of the CUSTOMER.**
5. Send Copy To: Enter contact information for **an additional person or company that needs a copy of these lab results.**
6. Kind: Enter the kind of seed to be tested.
7. Variety: List variety and/or brand as designated by customer.
8. Lot No.: Enter the lot number as designated by the customer.
9. Amount Bushels or Bags: Enter the quantity of seed being represented by the sample.
10. Bag Weight: Enter the weight per bag, if seed is bagged.
11. Sampled By: Enter your name only if you sampled the seed. If you are just completing the paperwork for the customer, then enter the customer's name. There is a \$15 fee charged if the seed is sampled by an Arkansas Department of Agriculture Inspector.
12. No. of Probes: Enter the number of probes used to collect this sample.
13. Indicate Requested Tests: Comp = Complete; GO = Germ Only; PO = Purity Only; TZ = Tetrazolium; AA = Accelerated Aging/Vigor; RR = RoundUp Herbicide Resistance; RR = Red Rice. Enter the kind of test(s) that are to be done on the seed sample.
14. Name of Treatment: If the seed is treated, list the treatment (s) so that the seed lab staff may exercise the appropriate precautions when handling the seed. As the Inspector, you too should use all reasonable precautions when handling treated seed.
15. Amount Enclosed for Tests: Unless the customer has a valid charge account with the Arkansas Department of Agriculture, all services must be paid for in advance before any analysis information is reported. You can either collect the fees at the time that you are sampling or picking up the samples or we will send a bill upon receipt of the sample(s).
16. If the Arkansas Department of Agriculture is to print analysis tags, the sample must be from **cleaned, bagged seed and sampled by an Arkansas Department of Agriculture Inspector.** The Arkansas Department of Agriculture will only print labels on seed with the **correct Variety name stated** and if not in conflict with other laws (PVP, Patent, etc.) A declaration of variety form (form DV-88) must be submitted and signed by the customer before the ADA will print Non-Certified seed labels.
17. Lab No.: Upon receipt of the sample, the Seed Lab staff will assign a lab number to the sample and paperwork.
18. Date: Enter the date that the sample was taken or if picking up the sample, enter the date of same. (Bottom right side of form)
19. Sampler Signature: The name or signature of the person who performed the sampling.

NOTE: If seed is carryover or already labeled, attach label or copy of labeling.

Non-Certified Seed Sample Record



ARKANSAS DEPARTMENT OF AGRICULTURE NON-CERTIFIED SEED SAMPLE RECORD

This form should be used when submitting samples to the Arkansas Department of Agriculture (ADA) Seed Lab. The analysis fee should be included with this form and the seed sample, unless other arrangements have been made. If you want the ADA to print analysis tags (\$0.10 each), the variety must be stated and the sample must be taken by an ADA Inspector from cleaned, bagged seed.

Send Seed Sample, Paperwork, and Fees to: Arkansas Department of Agriculture, # 1 Natural Resources Drive, Little Rock, AR 72205 (call 501-225-1598 for assistance)

Analysis Report and/or Charges should be sent to:

Name:	Phone:	Email:
Address:	City & State:	Zip:
Send Copy of Analysis to: (\$1.00 fee charged for copy) (Indicate name, or e-mail, or fax number):		
Copy to Address:	Copy to City:	Copy to State:
		Copy to Zip:

DESCRIPTION OF LOT					SAMPLING INFO		**INDICATE REQUESTED TEST(S)				Name of Seed Treatment	Amount Enclosed For test(s)	SEED LAB USE ONLY
Kind	Variety	Lot Number	Amount of Bushels or Bags	Bag Weight	Sampled by:	# of Probes	Comp	GO	PO	Other			Lab #

Remarks:

****Kind of Test:** **Comp** = % Weed Seed, % Other Crop Kinds, % Inert, % Germination, Number & Kind of Noxious Weeds per Pound; **GO** = % Germination; **PO** = same as a Complete (Comp) without the % germination. Contact the ADA Seed Lab at (501) 225-1598 for other tests performed or current analysis fees. Test fees are listed on back of this form. Add \$3 handling fee per sample if shipped by ADA Inspector, OR, add \$15 fee per sample for Inspector sampling and handling.

NOTE: The Seed Lab cannot release testing information unless paid in advance or customer has a valid charge account.

Sampler Signature:	Date Sampled:
--------------------	---------------

INFORMATION ON DEPARTMENT OF AGRICULTURE LABORATORY ANALYSES

The Arkansas Department of Agriculture Seed Laboratory is the Official Seed Laboratory for Arkansas. Seed analyses are conducted according to the rules established by the Association of Official Seed Analysts (AOSA) (unless methods or rules are unavailable for a crop). The Seed Section currently has several employees who have completed training and testing required to be AOSA Certified Seed Analysts in either purity, germination or both. There are three types of samples received by the Seed Lab: Certified, Non-Certified, and Regulatory.

CERTIFIED SEED SAMPLES:

Certified Seed is seed that has been produced in accordance with the high standards and regulations outlined in Circular 15: Official Standards for Seed Certification in Arkansas, which are derived from the Association of Official Seed Certifying Agencies (AOSCA) standards. For the most part, participation in Certified Seed production is voluntary, except for those marketing specific seed varieties protected under the USDA Plant Variety Protection's certified seed option. The Seed Lab checks these seed samples for Kind, Variety, Weed seed, Other Crop, Inert and Noxious Weeds. Besides the physical purity, where the seed is checked for characteristics of the variety such as size, shape, and/or hilum color, several other tests are conducted to help confirm variety. These tests include grow-out examinations, such as the hypocotyl test on soybeans and coleoptile test for wheat, chemical tests such as soybean peroxidase reactions, herbicide resistance tests, and fluorescence tests for oats. The certified class applied for and kind of seed determines the amount of seed analyzed for purity (**See Chart Below**). Germination tests are conducted on 400 randomly selected seed from each sample of certified or non-certified seed.

Certified Seed is known for its high quality, therefore **a complete analysis (purity and germ) is only conducted on cleaned seed**. Uncleaned seed may be sampled by an inspector for germ, varietal purity, noxious weeds and moisture as an aid in making conditioning decisions, but purity percentages and certified classes will not be assigned.

NON-CERTIFIED SEED SAMPLES:

Non-certified seed samples are also called "service samples," which are submitted by the seedsman/farmer. Non-certified seed typically has not been applied on, or do not meet the requirements, for Certified Seed. The Seed Lab checks these samples for Kind, Weed Seed, Other Crop, Inert, and Noxious Weeds. **A 100-gram portion of samples of soybeans, rice, and small grains that the sender designates as a particular variety will also be checked for seed characteristics, and this will be reported as percent of Other Crop.** This information is recorded under Seed Characteristics on the middle part of the analysis form. **If more complete information is needed for use in labeling the percent Other Crop on a non-certified seed lot with variety stated, the farmer/seedsman may request a Seed Characteristics Exam.** This exam is conducted on a pound of the seed and provides a better indication if other varieties or off-types are present. Also, upon request, herbicide resistance tests are conducted if methods are available for the lab to perform the analysis of that particular herbicide.

Non-Certified seed samples may be drawn from either cleaned or uncleaned seed by the farmer/seedsman. Remember, however, the lab analysis is only as good as the sample, so get a sample that is representative of the entire lot. **(If the Arkansas Department of Agriculture is to print analysis labels, the sample must be drawn by an Arkansas Department of Agriculture Inspector from cleaned, bagged seed and variety information must be supplied.)**

COMPARISON OF TESTS CONDUCTED AND AMOUNT OF SEED ANALYZED:

KIND	NON-CERTIFIED	CERTIFIED CLASSES OF SEED		
		Foundation Class	Registered Class	Certified Class
SOYBEANS	1 # C,W,N 100 gram SEED CH.	3 # V,C,W,N, HYP	1 # V,C,W, HYP 3 # N	1 # V,C,W 2 # N
RICE	50 g C,W, SEED CH. 1 # N	1 # V,C,W 4 # N	1 # V,C,W 4 # N	1 # V,C,W 4 # N
WHEAT	100 g C,W, SEED CH. 1 # N	1 # V,C,W,N COL, PHN	1 # V,C,W,N COL, PHN	1 # V,C,W,N

LEGEND: C=CROP, N=NOXIOUS WEEDS, V=VARIETY, W=WEED SEED, SEED CH=SEED CHARACTERISTICS EXAM, HYP=400 SEED HYPOCOTYL TEST, COL=100 SEED COLEOPTILE TEST, PHN=100 SEED PHENOL TEST

REGULATORY SEED SAMPLES:

Samples that are drawn by the Arkansas Department of Agriculture from seed that has already been labeled and is in the trade channels are called regulatory samples. The Seed Lab checks these samples to determine if they are in tolerance with the analysis on the label. The location where the seed was sampled receives a regulatory analysis report stating they are in tolerance and also shows what contaminants were found (major crops only-soybeans, rice, wheat, oats). If the analysis is not in tolerance with the label, a stop-sale will be issued to prevent the seed from being sold until it has been either brought into compliance with the lab's assessment or released for return to the manufacturer. The seedsman on the label is responsible for re-labeling the seed or for its proper disposal. Stop sale notices are also issued by Arkansas Department of Agriculture Inspectors for technical violations such as failure to secure an Arkansas Seed Dealer's license, or insufficient information on the label. All stop-sale notices must have a written release issued by the inspector after appropriate measures are taken to correct the violation.

Records are kept for each company/individual whose name appears on the label of regulatory samples submitted to the lab. **The Seed Committee of the Arkansas State Plant Board may review these records each year.**

The Federal Seed Act regulates seed in interstate commerce, requiring proper labeling and prohibiting misrepresentation of seed transported from one state to another. By agreement between Federal and State authorities, randomly selected regulatory seed samples of interstate shipments are sent to the USDA Federal Seed Laboratory to be grown in varietal test plots. If samples are found to be mislabeled as to variety, investigations are made to determine who is responsible for the mislabeling and appropriate actions are taken.

We encourage all farmers, especially those planning to plant their own saved seed, to have it cleaned and tested to determine the quality of the seed for planting, and to help prevent the spread of weed seed, nematodes and other diseases. For more information on Seed Quality, request Extension Fact Sheet(s) 2019 and 2141 from your local Cooperative Extension Service office.

INFORMATION NEEDED ON INVOICES

Investigation of Arbitration complaints and routine seed tonnage auditing have revealed the need for more complete information on invoices.

Farmers who purchase seed and later need to file for seed arbitration are required to give the lot number of the seed purchased. This information was lacking on many of the cases filed, and often became a “guess”, making the cases very difficult to arbitrate.

Also, Arkansas Department of Agriculture Auditors have been routinely auditing licensed seed dealers and their subsidiaries, and one of the most common errors found is a lack of information on the invoice.

The very least amount of information required on invoices both by federal and state laws is the **lot number (or other information or identification linking to the complete record of the seed) and kind and/or variety** of the seed. The lot number should tie this invoice to other information required to be kept for each lot, such as the analysis used to back up the information required on the label. Other needed information for the auditors is **whether the seed was sold as certified seed or not, the address (city/state) of the buyer, bulk or bagged, and weight of the bag**. When all this information is routinely provided on the invoices, the auditor can complete the audit with little disruption of the company’s daily business. The time needed to complete an audit greatly depends on the information available on the invoices.

Therefore, seed sellers need to have the following information on their invoices:

- # **Lot Number (or other information or identification linking to the complete record of the seed)**
- # **Kind and Variety**
- # **Certified or not**
- # **Bulk or Bagged and Bag Weight**
- # **Address of Buyer (city/state)**



**QUALITY CONTROL &
COMPLIANCE
SEED CERTIFICATION
SECTION**

APPLICATION FOR CERTIFICATION

One of the main steps in the certification process is to complete all three pages of the "Application to Produce Certified Seed". The applicant must complete this form and submit it for review by the Certification Section. The form supplies the necessary information to determine eligibility to certify crops in Arkansas.



Asa Hutchinson
Governor

ARKANSAS DEPARTMENT OF AGRICULTURE

1 Natural Resources Drive, Little Rock, AR 72205
agriculture.arkansas.gov
(501) 225-1598



Wes Ward
Secretary of Agriculture

Click here to go to the Field Page to enter individual contract growers and their fields for this variety

Please include good quality maps with your applications

Application to Produce Certified Seed (use a separate form for each variety name)

Applying Company Name:	<input type="text"/>	Phone:	<input type="text"/>
Company Address:	<input type="text"/>		
Company City:	<input type="text"/>	Fax:	<input type="text"/>
Company State:	<input type="text"/>		
Company Zip:	<input type="text"/>	Cell:	<input type="text"/>
Variety Name (not brand name):	<input type="text"/>		
Crop Kind (wheat, rice, etc.):	<input type="text"/>	E-mail:	<input type="text"/>

Class of Parent Seed PLANTED:	Breeder (Brd)	Foundation (FD)	Registered (Reg)	Certified Blue-Tag (BT) Only with Seed Committee approval
Place an "X" in one of these boxes:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Class of Seed TO BE HARVESTED:	Foundation (FD)	Registered (Reg)	Certified Blue-Tag (BT)
Place an "X" in one of these boxes:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Number of Acres: Show these acres in the annual Seed Directory? Yes / No

Is your Arkansas Seed Dealer/Labeler License applied & paid for this July through next June?
(Place an "X" in one of these three boxes):

YES, already submitted earlier:	<input type="checkbox"/>	YES, submitted along with this application:	<input type="checkbox"/>	NO, please bill me:	<input type="checkbox"/>
---------------------------------	--------------------------	---	--------------------------	---------------------	--------------------------

Does the applying company above operate a seed cleaning facility? Yes / No

Who is the legally responsible seed cleaner operator in charge?

- \$0.10 PER ACRE – CERTIFIED SEED PROMOTION FEE (distributed by the Arkansas Seed Council, with funds managed by the Arkansas Seed Dealers Association)
- \$1.50 PER ACRE – WHEAT, OATS, TRITICALE, OR SOYBEANS INSPECTION FEES or
- \$2.25 PER ACRE - RICE
- \$20.00 VARIETY FEE (only one \$20 fee per Variety name is necessary, even if you have several applications of the same variety name)
- \$50.00 LATE FEE (per variety applied on, Rice due July 1st, Soybeans due August 15th, Wheat/Oats
- \$0.00 TOTAL ENCLOSED

I HEREBY CERTIFY THAT THE INFORMATION GIVEN HEREIN IS TRUE AND CORRECT AND THAT THE PLANTING, HARVESTING, AND CONDITIONING EQUIPMENT WILL BE CLEANED AND THE IDENTITY OF THE SEED WILL BE MAINTAINED FROM THE TIME OF HARVEST UNTIL IT LEAVES MY POSSESSION.

SIGNED DATE

ARKANSAS DEPARTMENT OF AGRICULTURE, P O BOX 1069, LITTLE ROCK AR 72203
Phone: (501) 225-1598 Fax: (501) 225-7213 Regulatoryseed@agriculture.arkansas.gov

FIELD INSPECTION MAP

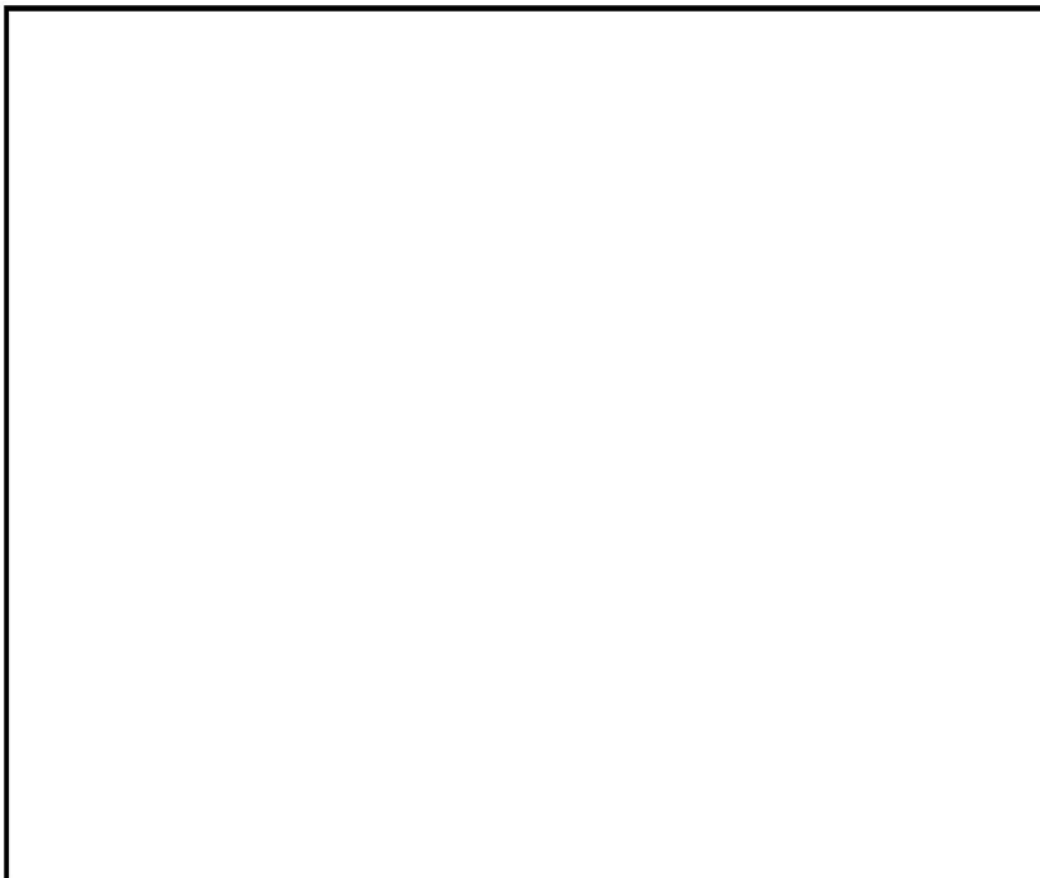
COMPANY: _____

CONTRACT GROWER: _____

FIELD DIRECTIONS: _____

MAP COORDINATES: Latitude _____ Longitude _____

N



S

Please use this form to show your field(s) unless you already have maps. Label each field with Variety, Grade, and Acreage. Do not send in aerial photographs. County maps showing all county roads are acceptable. Please make copies of form if additional copies are needed.

PLEASE SEND IN A DETAILED MAP EVEN IF YOU
PLAN TO SHOW THE INSPECTOR(S) THE FIELDS.



Asa Hutchinson
Governor

ARKANSAS DEPARTMENT OF AGRICULTURE

1 Natural Resources Drive, Little Rock, AR 72205
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Wes Ward
Secretary of Agriculture

APPLICATION FOR A CERTIFICATION PERMIT

(Form CP – Rev 09/20)

COMPANY NAME:				PHONE:			
MAILING ADDRESS:		CITY:		STATE:		ZIP:	
E-MAIL ADDRESS:							

THIS IS TO CERTIFY THAT THE APPLICANT LISTED ABOVE HAS READ THE ARKANSAS SEED REGULATIONS IN CIRCULARS 10 AND 15. APPLICANT UNDERSTANDS THAT THE CERTIFICATION PERMIT MAY BE CANCELED AT ANY TIME FOR FAILURE TO OBSERVE THESE REGULATIONS. APPLICANT UNDERSTANDS THE ARKANSAS DEPARTMENT OF AGRICULTURE (ADA), OR ITS REPRESENTATIVE, IS AUTHORIZED TO INSPECT THE RECORDS, DURING NORMAL BUSINESS HOURS, OF ANY PERSON SUBJECT TO COMPLIANCE WITH THESE REGULATIONS.

CERTIFICATION PERMIT FEE \$100 IF ACREAGE IS 100 ACRES OR LESS - (A \$250 Seedsman’s license is required IF ACREAGE IS OVER 100 ACRES. See <https://www.agriculture.arkansas.gov/plant-industries/seed-section/licensing/>)

THE CERTIFICATION PERMIT IS ALL YOU WILL NEED IF YOUR YEARLY ACREAGE IS **100 ACRES OR LESS** AND YOU ARE SELLING ONLY ARKANSAS CERTIFIED, BAGGED AND TAGGED SEED (OR BULK CERTIFIED WHEAT USING A BULK CERTIFICATE), OR IF YOU ARE GOING TO TRANSFER THE CERTIFICATION RESPONSIBILITIES ON TO SOMEONE ELSE USING THE FORM 24, BULK SEED TRANSFER.

Seed can be called "Certified" only - if it is bagged and tagged with an official Certification label, or Bulk Certificate for Certified Blue-Tag Class Wheat. This means going through the entire process of certification - application, field inspection, an inspector's sample on clean seed for purity, noxious weeds, moisture, and germination, which meets the standards for a class of Certified seed, as well as official Certified Seed labels printed and attached to the bagged seed.

Certified blue-tag wheat may be sold in the bulk if it successfully follows the Certification process. Bagging and labeling information must be documented on specialized Bulk Certificates, which are obtained from the ADA Seed office.

PLEASE NOTE: A SEED LICENSE (**\$250 ANNUALLY**) MUST BE PURCHASED IF YOUR YEARLY ACREAGE IS GREATER THAN 100 ACRES, OR ANY SEED IS SOLD AS NON-CERTIFIED (without a label printed by the ADA). A TONNAGE FEE MUST BE PAID QUARTERLY TO THE ADA ON ALL AGRICULTURAL SEED SOLD, WITHIN OR INTO THE STATE OF ARKANSAS, NOT LABELED WITH AN ADA LABEL. SEE: <https://www.agriculture.arkansas.gov/plant-industries/seed-section/forms/> TO OBTAIN THE QUARTERLY TONNAGE FORMS. IF YOU ARE PLANNING TO SELL SEED THAT COMES UNDER THIS CATEGORY, YOU WILL NEED AN ARKANSAS SEED LICENSE. IF YOU ALREADY PAID FOR A CURRENT CERTIFICATION PERMIT, YOU CAN UPGRADE TO A SEED LICENSE, BY SUBMITTING AN ASDL APPLICATION FORM AND \$150.00.

THE CERTIFICATION PERMIT IS VALID DURING THE FISCAL YEAR: JULY 1 - JUNE 30.

SIGNED BY:	
PRINTED NAME:	
DATE:	

CERTIFIED SERVICE SAMPLES

These are samples which are sampled by an Inspector, but only upon request of the applicant. Before seed can be certified, it must adhere to numerous steps. As with **all** samples, great care must be taken to ensure that the samples are drawn in such a manner that no contamination of the seed sample will occur.

In addition to the composite sample, the certified sample must have a moisture sample submitted in a plastic-lined white sample sack.

COMPLETING THE INSPECTOR'S SAMPLE RECORD FOR SEED CERTIFICATION

1. Certified Grower: Enter the name of the grower. Sometimes one company sells certified seed to another company by use of form 24. You must always list the **original** owner of the seed.
2. City & State: You may not know the complete address of the applicant, but you need to at least enter the name of the town, and state if out-of-state seed.
3. Seed Stored At: Enter the location of where the sample was taken.
4. Town: Same as 2.
5. Send Lab Charges To: Enter the name and address of who is responsible for the lab charges, if it is the same as (1) & (3), so state.
6. Town: Same as 2.
7. Enter name & complete mailing address of person wanting copy.
8. Crop: Enter the name of the crop (rice, soybeans, etc.) Only one crop per sheet.
9. Class of Seed: Enter the Certified class of the seed (Fd = Foundation, Reg = Registered, BT = Blue-Tag Certified etc.) Only one class per sheet.
10. Inspector: Enter your full name, or multiple inspector names.
11. Date: Enter the date the sample was taken.
12. Variety: Enter the variety name such as Diamond, PVL01, ProGold1, etc.
13. Test: Enter the test requested such as GO & VP, Complete, etc.
(Remember: Request a complete analysis only on cleaned lots)
14. Lot Number: Enter the lot Number.
15. Amount: List the number of bags or bushels in the lot.
16. Weight: List the bag weight. (Indicate if bags or BU for bushels).
17. Moisture Included: T or F for True or False.
18. Seed Clean: T or F for True or False.
19. Lot No. on Bag: T or F for True or False.
20. New Bags: T or F for True or False.
21. Representative Sample: T or F for True or False.
22. No. of Probes Taken: Enter the number of bags sampled. If in bulk, enter the number of probes made. If an automatic sampler was used, so state.
23. Previous Lab No.: If the sample is a resample, enter the previous lab number.
24. Comments/Treatment: List the treatment on the seed, or if none, state none. List any comments or requests such as purity first, call, etc.
25. Lab Number: For office use only, to be created when the sample has been received in the Seed Laboratory.



Asa Hutchinson
Governor

ARKANSAS DEPARTMENT OF AGRICULTURE

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Wes Ward
Secretary of Agriculture

FORM 20 (REV 10/2020)

* The **CERTIFIED GROWER** is the company that originally completed an application to produce this Certified Seed

CERTIFIED SEED SAMPLE RECORD

*CERTIFIED GROWER:		CITY & STATE:	
SEED STORED AT:		TOWN:	
SEND LAB CHARGES TO:		TOWN:	
SEND COPY TO:		TOWN:	
CROP:	CLASS OF SEED:	INSPECTOR:	DATE:

Variety	Test	Lot Number	Amount	Weight	Moist (T/F)	Seed Clean (T/F)	Lot No. On Bag (T/F)	New Bags (T/F)	Representative Sample (T/F)	No. Probes Taken	Previous Lab No.	Comments/Treatment	Lab Number
Variety	Test	Lot Number	Amount	Weight	Moist (T/F)	Seed Clean (T/F)	Lot No. On Bag (T/F)	New Bags (T/F)	Representative Sample (T/F)	No. Probes Taken	Previous Lab No.	Comments/Treatment	Lab Number

See paperclip link above, left, for a link to the Seed Laboratory Fees.

C. Schedule of Fees:

REGULATORY SAMPLES -- There are no fees charged for regulatory samples unless copies of test results are requested, then fees are the same as for service samples.

SERVICE SAMPLES

KIND OF SEED	COMPLETE	PURITY OR GERM ONLY
ALFALFA	\$16.00	\$12.00
BAHIAGRASS	\$16.00	\$12.00
BARLEY	\$16.00	\$8.00
BEAN (garden & field)	\$16.00	\$8.00
BERMUDAGRASS	\$16.00	\$12.00
BLUEGRASS	\$16.00	\$12.00
BLUESTEM	\$50.00	\$40.00
CLOVER	\$16.00	\$12.00
CORN	\$16.00	\$8.00
COTTON	\$16.00	\$8.00
DALLISGRASS	\$16.00	\$12.00
FESCUE	\$16.00	\$12.00
JOHNSONGRASS	\$16.00	\$12.00
LESPEDEZA	\$16.00	\$12.00
LOVEGRASS	\$16.00	\$12.00
MILLET	\$16.00	\$12.00
MUSTARD	\$16.00	\$12.00
OATS	\$16.00	\$8.00
OKRA	\$16.00	\$8.00
PEAS (garden & field)	\$16.00	\$8.00
PEANUTS	\$16.00	\$8.00
RICE	\$16.00	\$8.00
RYE	\$16.00	\$8.00
RYEGRASS	\$16.00	\$12.00
SORGHUM	\$16.00	\$8.00
SOYBEANS	\$16.00	\$8.00
TURNIP/RAPE	\$16.00	\$12.00
VETCH	\$16.00	\$8.00
WHEAT	\$16.00	\$8.00
VEGETABLES	\$16.00	\$12.00

ANALYSIS FOR MIXTURES \$8.00 - will be charged for each additional component in a mixture.

TETRAZOLIUM TEST (TZ) \$15.00 - chemical test for estimating the germination potential (Not an official germination test and may not be used to label)

VIGOR TESTS \$12.00 -determining the potential for rapid uniform emergence and development of normal seedlings under a wide range of field conditions.

- 1) Accelerated Aging (soybeans, wheat)
- 2) Cool Test (cotton)
- 3) Complete Seedling Count (garden beans)

VARIETAL TESTS \$12.00 - tests which help determine, confirm or group seed as to variety:

- 1) Phenol Test (wheat)
- 2) Fluorescence Test (oats)
- 3) Hypocotyl Test (soybeans)

SEED CHARACTERISTICS TEST \$12.00 - Examination of 500 grams for varietal characteristics.

HERBICIDE RESISTANCE TESTS: 1) Roundup® Test on Soybeans (400 seed test: **\$23**; 200 seed: **\$15**)

2) STS Test on Soybeans (400 seed test: **\$32**; 200 seed test: **\$25**)

SAMPLING FEE \$15.00 - A fee is charged for samples drawn by the Plant Board

HANDLING FEE \$3.00 - A fee is charged for samples that are picked up by the Plant Board.

PURITY FIRST \$1.00 - Upon request, a preliminary purity report will be given upon completion of the test.

PRIORITY SAMPLES \$25.00 - Allows sample to be tested ahead of other samples in the lab. This fee is in addition to the fees for the tests requested.

ADDITIONAL ANALYSIS REPORTS \$1.00 - For each additional requested copy of the analysis report.

CERTIFIED FIELD INSPECTION INSTRUCTIONS

Each inspector will receive pre-printed inspection forms for **each field** applied on for certification in their area. The inspectors name will be printed on the top right corner of the form. The Certification Applicant is listed, with phone number, and below that is the contract grower, if given. They will be sent in folders with the applications for each certification applicant.

Blank forms may be requested for additional acres and 1st & 2nd reinspections.

1. After receiving the packet, check the Contract Grower's information to see if the fields are in your area. Return to the Certification Office if they should go to another inspector.
2. Check the variety and class applied for (acreage will be listed under grade applied on). Refer to the list of Breeder's variances to determine the variety description and BV's allowed in addition to the Certification Standards.
3. Inspect the field and complete inspection form
 - A) Enter GPS Lat/Long reading. Indicate where the GPS reading was taken.
 - B) Check if field isolation passed or failed. Record any comments.
 - C) Inspect the field using a travel pattern that will allow the greatest degree of coverage for the amount of distance traveled. The AOSCA recommended travel patterns will follow this section. Field shapes are highly variable, so adjust the inspection pattern for each field.
 - D) Take 10 random counts throughout the field. Each count should be noted for the variety on the Breeder's Variances list. Record the number of other varieties per count in the first column. Make a check in the column to the right of the count that describes the other varieties observed. (List any "other" descriptors)
 - E) Check for noxious weeds. On form, make a check showing noxious weeds found. Show on your map of the field, where any **Prohibited** Noxious Weeds were found. List other weeds in the space provided. Make a check showing whether the field was clean or weedy. Record any comments.
 - F) List other crops found in the field.
 - G) Estimate yield potential. Make a check showing the yield potential as excellent, good, fair or poor. Record any comments.
 - H) Finish completing inspection form:
 1. Indicate which inspection was conducted (1st, 2nd, 3rd, or other)
 2. Go back to top of form and record the appropriate field inspection information; Acres Approved, and Additional / Canceled / Rejected Acres & Rejected Reason.
 - A. Request separate inspection form for each new field added.
 - B. If field is rejected or partially rejected, list the reason in the space provided. Draw map of rejected area & clearly show portion to be discarded. This can be in map area or on the back of the field inspection form.
 3. Notify grower of field inspection results. Indicate name of person notified & date. Record any other comments (such as verbally notified, by phone, etc.)
 4. Sign and Date form.
4. **Submit all field inspection forms on a daily or weekly basis.**

CERTIFIED RICE FIELD INSPECTION FORM

USE SEPARATE FORM FOR EACH FIELD

INSPECTOR _____

Arkansas Department of Agriculture, Seed Certification, PO Box 1069, Little Rock, AR 72203 Phone (501) 225-1598 Fax (501) 225-7213

APPLICANT: _____ 169

Contract Grower: _____

Contact: _____

357

Phone #: _____

Mobile #: _____

Variety: _____

Field # _____

FD BV'S _____

REG BV'S _____

BT BV'S _____

GRADE	FD	REG	BT
Acres Applied On:			
Acres Approved:			
Additional Acres:			
Acres Cancelled:			
Acres Rejected:			

Inspection 1st 2nd Other _____

Field Location Comments: _____

GPS Lat/Long _____ / _____

Reason Rejected: _____

Indicate Problem Areas in Field:

Count	Other Varieties per Sq. Rod (16.5' X 16.5')				
	# of Other Varieties	Description			
		Maturity	Height	Grain Type	Other
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
Avg.					

NOXIOUS WEEDS FOUND:

- | | |
|--|--|
| <input type="checkbox"/> Coffeebean | <input type="checkbox"/> Curley Indigo |
| <input type="checkbox"/> Johnsongrass | <input type="checkbox"/> Gaint Foxtail |
| <input type="checkbox"/> Barnyardgrass | <input type="checkbox"/> Morningglory |
| <input type="checkbox"/> Cocklebur | |

Red Rice (# per Acre) : _____

Please List Other Weeds: _____

Isolation: PASSED FAILED

Comments: _____

Field Condition: Clean Weedy Diseased

Comments: _____

Yield Potential: Excellent Good Fair Poor

Comments: _____

OTHER CROP FOUND (Specify Kind) : _____

DISEASES FOUND (Specify Kind) : _____

INSPECTOR'S SIGNATURE & DATE INSPECTED

CERTIFIED SOYBEAN FIELD INSPECTION FORM

USE SEPARATE FORM FOR EACH FIELD

INSPECTOR

Arkansas Department of Agriculture, Seed Certification, PO Box 1069, Little Rock, AR 72203 Phone (501) 225-1598 Fax (501) 225-7213

APPLICANT: , ,

169

Contract Grower: _____

Contact: _____

357

Phone #: _____

Mobile #: _____

Variety: _____

Field # _____

FD BV'S

REG BV'S

BT BV'S

GRADE	FD	REG	BT
Acres Applied On:			
Acres Approved:			
Additional Acres:			
Acres Cancelled:			
Acres Rejected:			

Inspection 1st 2nd Other _____

Field Location Comments: _____

GPS Lat/Long _____ / _____

Reason Rejected: _____

Indicate Problem Areas in Field:

Count	Other Varieties per 5,000 plants FD; 3,600 for REG & BT				
	# of Other Varieties	Description			
		Maturity	Hilum Color	Height	Other
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
Avg.					

NOXIOUS WEEDS FOUND:

- | | |
|---------------------------------------|---|
| <input type="checkbox"/> Balloonvine | <input type="checkbox"/> Barnyardgrass |
| <input type="checkbox"/> Morningglory | <input type="checkbox"/> Giant Foxtail |
| <input type="checkbox"/> Cocklebur | <input type="checkbox"/> Moonflower |
| <input type="checkbox"/> Johnsongrass | <input type="checkbox"/> Field Bindweed |

Comments _____

Please List Other Weeds: _____

OTHER CROP FOUND (Specify Kind) :

Isolation: PASSED FAILED

Comments: _____

Field Condition: Clean Weedy Diseased

Comments: _____

Yield Potential: Excellent Good Fair Poor

Comments: _____

INSPECTOR'S SIGNATURE & DATE INSPECTED

CERTIFIED SMALL GRAIN FIELD INSPECTION FORM

USE SEPARATE FORM FOR EACH FIELD

INSPECTOR

Arkansas Department of Agriculture, Seed Certification, PO Box 1069, Little Rock, AR 72203 Phone (501) 225-1598 Fax (501) 225-7213

APPLICANT: , ,

169

Contract Grower: _____

Contact: _____
 Phone #: _____
 Mobile #: _____

357

Variety: WHEAT Field # _____

FD BV'S _____ REG BV'S _____ BT BV'S _____

GRADE	FD	REG	BT
Acres Applied On:			
Acres Approved:			
Additional Acres:			
Acres Cancelled:			
Acres Rejected:			

Inspection 1st 2nd Other _____

Field Location Comments: _____

GPS Lat/Long _____ / _____

Reason Rejected: _____

Indicate Problem Areas in Field:

Other Varieties per 2,500 plants BT; 5,000 for REG; 5,000 FOR FD

Count	# of Other Varieties	Description			
		Maturity	Head Type	Height	Other
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
Avg.					

OBJECTIONABLE NOXIOUS WEEDS FOUND:

- | | |
|---|---|
| <input type="checkbox"/> Wild Onion/Garlic | <input type="checkbox"/> Field Bindweed |
| <input type="checkbox"/> Serrated Tussock | <input type="checkbox"/> Itchgrass |
| <input type="checkbox"/> Tropical Soda Apple | <input type="checkbox"/> Balloonvine |
| <input type="checkbox"/> Johnsongrass (in Wheat only) | |

OTHER NOXIOUS WEEDS FOUND:

- | | |
|--------------------------------------|--|
| <input type="checkbox"/> Cheat/Chess | <input type="checkbox"/> Sorrel |
| <input type="checkbox"/> Dock | <input type="checkbox"/> Giant Foxtail |
| | <input type="checkbox"/> Darnel |

OTHER CROPS or WEEDS FOUND (Specify) :

Isolation: PASSED FAILED

Comments: _____

Field Condition: Clean Weedy Diseased

Comments: _____

Yield Potential: Excellent Good Fair Poor

Comments: _____

Comments _____

INSPECTOR'S SIGNATURE & DATE INSPECTED

Certified Turfgrass PREPLANT Inspection Form

USE SEPARATE FORM FOR EACH FIELD

INSPECTOR _____

Arkansas Department of Agriculture, Seed Certification, PO Box 1069, Little Rock, AR 72203 Phone (501) 225-1598 Fax (501) 225-7213

COMPANY APPLYING: _____

Contract Grower: _____

357

Contact: _____

Phone #: _____

Mobile #: _____

Variety and Kind: _____

BERMUDAGRASS

Class To Be Planted: _____

FD REG BT

Field Number: _____

	1st Preplant Inspector	2nd Preplant Inspect (if needed)
DATE		
Acres Inspected:	0.00	0.00
Acres Approved:		
Acres Pending*:		
Acres Cancelled:		
Acres Rejected:		

GPS Lat/Long _____ / _____

Field Location Comments: _____

*Reason Pending: _____

*Fields placed in "pending" must be re-inspected and approved prior to planting Certified turfgrass.

Reason Rejected: _____

Field Condition:

CLEAN

WEEDY

Comments: _____

Isolation:

PASSED

FAILED

Comments: _____

Indicate Problem Areas in Field:

Cir. 15, Standards for Certification of Turfgrass,

II. Land Requirements - (Rules covering land prior to planting)

A. A field to be eligible for the production of registered or certified turf must have been inspected and found to be free of all perennial grasses, objectionable and noxious weeds. A second inspection will be made approximately four to six weeks after planting.

B. Size of Field: Maximum:

- a. Foundation: ten acres
- b. Registered: ten acres
- c. Certified: no limit

C. All registered class grass will be produced on fumigated land or inspected for an entire growing season and meet section II, A, requirements.

D. Land fumigated must lay idle for a period of not less than three weeks after fumigation (or not less than six weeks when converting to like species) and be inspected for compliance with Section II, A. Land must receive adequate moisture and soil temperature must be adequate to allow any live plants not eradicated by fumigation to emerge.

Additional Comments: _____

INSPECTOR'S SIGNATURE _____

DATE _____

AOSCA SUGGESTED FIELD SAMPLING PROCEDURE FOR INSPECTING FIELDS FOR SEED CERTIFICATION

General Guidelines

The philosophy of field inspection usually involves a twofold function in the production of certified seed. The one function deals with public relations and education of the seed grower while the second function provides a mechanism for field acceptance or rejection of a given acreage under the certification standards.

The education of the seed growers is essential to any program of seed certification. An appreciation of seed of high genetic purity creates within the grower a desire to improve his product through the application of approved methods of production. Acceptable methods of production must include guides which, if carefully followed will result in the production of seed of high genetic purity.

The field inspector is usually the principal contact between the certifying agency and the certified seed grower. Thus, the inspector should be an individual of pleasing personality, well informed in both the agronomic procedures for seed production and in the rules and regulations governing the production of certified seed.

In addition to serving as a public relations officer for the certifying agency the inspector must serve as the judge in determining the merits of a seed field. In order to make such a decision in the field, the inspector must know the regulations governing the crop under consideration and must apply inspection techniques in the field which will give an accurate basis for his decision. Such inspection techniques for genetic certification must include thorough knowledge of:

1. Varietal characteristics of the crops to be inspected (including other varieties, definite off-types and questionable off-types where such may occur).
2. Abnormalities which may be due to nutritional deficiencies, temperature variation and moisture tension effects on the crops inspected.
3. Sampling and counting methods applicable to the tolerances allowable for all crops inspected.

The information presented deals with the sampling and counting methods which may be used to secure greater accuracy and provide the inspector with techniques which allow him/her to be more accurate in both judgments and field inspections.

So often many fields require inspection during a short period of time. This requires that a limited amount of time be spent in each field. Yet a sufficiently thorough inspection must be made at each visit to allow reasonable accuracy in judgment. Otherwise, fields may be accepted as certified seed that are unworthy, or conversely genetically good fields may be rejected. The procedures and techniques outlined will permit the greatest degree of accuracy while requiring the least amount of time on the part of the inspector.

Determination of a pattern of travel within a field that will allow the greatest degree of coverage in the inspection for the amount of distance traveled, will increase accuracy and conserve time. The following figures are based on a hypothetical rectangular field of 100 acres. Since the shapes of fields are highly variable the pattern must be adjusted to each particular field.

Figure 1 presents a pattern of travel involving approximately 2,650 yards and covers 7/8 of the field. The remotest part of the field is a little over 100 yards from the inspector. This pattern could be easily varied to allow the inspector close examination of any part of the field that appeared doubtful from a distance. Little increase in traveling distance would be involved.

Figure 2 presents a still shorter travel pattern, about 2,250 yards, that cover about one half of the field. Again, doubtful areas are easily reached; some areas become more remote, however, and doubtful areas might not be as obvious since the inspector may not be closer than 200 yards to some parts of the field.

2020 PEANUTS BREEDER DESCRIPTIONS

MAXIMUM OTHER VARIETIES
INCLUDES CIRCULAR 15
STANDARD AMOUNTS, PLUS
BREEDER VARIANCES, BELOW:

VARIETY	Plant habit	Plant branching	Leaf color	Leaf length	Pod length	Pod diameter	Seeds per pod	Pod surface	Pod beak	Seed coat color	Seed coat surface	Seed coat shape	BREEDER'S VARIANCES	FD	REG	Cert BT
107	Prostrate (Florunner)	Profuse (Florunner)	Dark Green	64 mm	28 mm	12 mm	2	Glabrous (Florunner)	Inconspicuous	Tan (Starr)	Smooth with Uniform Color	Short Broad (Florunner)	None	1/1,000	1/500	1/200
297	Prostrate (Florunner)	Profuse (Florunner)	Light Green	63 mm	29 mm	13 mm	2	Glabrous (Florunner)	Inconspicuous	Tan (Starr)	Smooth with Uniform Color	Cylindrical-Tapered Ends	None	1/1,000	1/500	1/200
331	Semi-Erect (Florispan)	Profuse (Florunner)	Light Green	62 mm	33 mm	13 mm	2	Glabrous (Florunner)	Inconspicuous	Tan (Starr)	Smooth with Uniform Color	Cylindrical-Tapered Ends	None	1/1,000	1/500	1/200
AT-215	Prostrate (Florunner)	Profuse (Florunner)	Dark Green	46 mm	32 mm	13 mm	2	Glabrous (Florunner)	Inconspicuous	Light Tan	Smooth with Uniform Color	Short Broad (Florunner)	Less than 1% darker pink seed coat (testa) color.	1/1,000	1/500	1/200
AU-NPL 17	Prostrate (Florunner)		Medium Green	55.8 mm	32.5 mm	16.07 mm				Light Tan			Less than 0.5% slightly off-type plants	6/1,000	7/1,000	10/1,000
GEORGIA-06G	Decumbent (NC-5)	Profuse (Florunner)	Dark Green	59 mm	28 mm	16 mm	2	Glabrous (Florunner)	Absent	Tan (Starr)	Smooth with Uniform Color	Other	None	1/1,000	1/500	1/200
GEORGIA-09B	Decumbent (NC-5)	Profuse (Florunner)	Dark Green	58 mm	29 mm	16 mm	2	Glabrous (Florunner)	Absent	Pink (Floriglant)	Smooth with Uniform Color	Rounder	None	1/1,000	1/500	1/200
LARIAT	Prostrate (Florunner)	Profuse (Florunner)	Dark Green	45 mm	31 mm	15 mm	2	Glabrous (Florunner)	Absent	Tan (Starr)	Smooth with Uniform Color	Cylindrical-Tapered Ends	None Listed	1/1,000	1/500	1/200
TAMNUT OL06	Erect (Starr)	Moderate (Starr)	Green	68 mm	30 mm	14 mm	2	Glabrous (Florunner)	Absent	Tan (Starr)	Smooth with Uniform Color	Spheriodal (Starr)	Up to 0.05% with 3-seed pods	1/1,000	1/500	1/200

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LEGEND

Plant Habit	1 – Prostrate (Florunner)	2 – Decumbent (NC-5)	3 – Semi-Erect (Florispán)	4 – Erect (Starr)		
Plant Branching	1 – Sparse (Valencia)	2 – Moderate (Starr)	3 – Profuse (Florunner)			
Leaf Color	1 – Light Green	2 – Medium Green	3 – Dark Green	4 – Other		
Leaf Length	Basal leaflet of the youngest fully-opened leaf					
Pod Surface	1 – Glabrous (Florunner)	2 – Pubescent (Florispán)				
Pod Beak	1 – Absent	2 – Inconspicuous	3 – Pronounced			
Seed Coat Color	1-White	2-Cream	3-Tan (Starr)	4-Brown	5-Pink (Floriglant)	
	6-Red	7-Purple	8-Dark Purple	9-Variegated	10-Other	
Seed Coat Surface	11 – Smooth with Uniform Color		12 – Smooth with Blemished Color	21 – Undented with Uniform Color	22 – Undented with Blemished Color	
Seed Coat Shape	1 – Spheriodal (Starr)	2 – Short Broad (Florunner)	3 – Elongated-Slender (Dixie Runner)	4 – Cylindrical-Tapered Ends	5 – Cylindrical Blunt Ends (NC-2)	6 - Other

2020 RICE BREEDER DESCRIPTIONS

**MAXIMUM OTHER VARIETIES INCLUDES
CIRCULAR 15 STANDARD AMOUNTS, PLUS
BREEDER VARIANCES, BELOW:**

VARIETY	HEIGHT	GRAIN LENGTH	APICULUS COLOR*	BREEDER'S VARIANCES	Foundation	Registered	Certified
17AR1127	37.4	MEDIUM	P	VARIANTS OBSERVED AND REMOVED WERE PRIMARILY TALLER AND EARLIER. OTHER VARIANTS INCLUDED ANY COMBINATION OF THE FOLLOWING: PUBESCENT, LATER, SHORTER, LONG-GRAIN AND INTERMEDIATE GRAIN TYPES, AND GOLD HULL. THE TOTAL NUMBER OF VARIANTS NUMBERED LESS THAN 1 PER 5,000 PLANTS.	2/SQ ROD	11/5 SQ RODS	3/SQ ROD
AB1542					9/SQ ROD	46/5 SQ ROD	10/SQ ROD
AB647					n/a	n/a	n/a
AB6564					2/SQ ROD	11/5 SQ ROD	3/SQ ROD
AB6565					9/SQ ROD	11/5 SQ ROD	3/SQ ROD
AB8198					2/SQ ROD	11/5 SQ ROD	3/SQ ROD
AB8684					2/SQ ROD	11/5 SQ ROD	3/SQ ROD
AHRENT					2/SQ ROD	11/5 SQ ROD	3/SQ ROD
ALAN					n/a	n/a	n/a
ANTONIO	37.5	LONG	P	LESS THAN 1/5,000 EARLY OR LATE FLOWERING, TALLER, SHORTER, VERY DARK GREEN LEAVES, LATE SENESCENCE, OR WITH ROLLING OR TWISTED LEAF. LESS THAN 1/10,000 ERECT PLANT AND STERILE PANICLE.	2/SQ ROD	11/5 SQ RODS	3/SQ ROD
ARBORIO					n/a	n/a	n/a
ARoma 17	39.4	LONG	R	LESS THAN 1/5,000 ANY COMBINATION OF TALLER, SHORTER, EARLIER, LATER, GLABROUS OR PUBESCENT PLANTS, NON-AROMATIC, AS WELL AS INTERMEDIATE OR VERY-LONG SLENDER GRAINS, AND OTHER ATYPICAL PLANTS MAY STILL BE ENCOUNTERED IN THE VARIETY.	2/SQ ROD	11/5 SQ RODS	3/SQ ROD
BANKS					2/SQ ROD	11/5 SQ ROD	3/SQ ROD
BENGAL					2/SQ ROD	11/5 SQ ROD	3/SQ ROD
BOLIVAR					n/a	n/a	n/a

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2020 RICE BREEDER DESCRIPTIONS

VARIETY	HEIGHT	GRAIN LENGTH	APICULUS COLOR*	BREEDER'S VARIANCES	MAXIMUM OTHER VARIETIES INCLUDES CIRCULAR 15 STANDARD AMOUNTS, PLUS BREEDER VARIANCES, BELOW:		
					Foundation	Registered	Certified
CAFFEY	34	MEDIUM	S	1/1,000 PLANTS ANY COMBINATION OF PUBESCENT, TALLER, SHORTER, LATER, EARLIER, SHORT/LONG/INTERMEDIATE GRAIN TYPES, GOLD AND BLACK HULL, STERILE PANICLE, AND SOME HAVE SHORT AWNS AND SOME DISPLAY A SLIGHT PURPLE APICULUS.	8/SQ ROD	44/5 SQ ROD	12/SQ ROD
CALA					n/a	n/a	n/a
CAROLINA GOLD					2/SQ ROD	11/5 SQ ROD	3/SQ ROD
CATAHOULA	36	LONG		LESS THAN 1/5,000 PLANTS AND WERE TALLER, SHORTER, PUBESCENT, AWNED, MEDIUM OR INTERMEDIATE GRAIN, EARLIER, LATER, STRAW-COLORED APICULUS, OR GOLD HULL.	2/SQ ROD	11/5 SQ ROD	3/SQ ROD
CHENIERE	36	LONG	P	1/5,000 PLANTS THAT ARE PRIMARILY TALLER & EARLIER; OTHER VARIANTS INCLUDE PUBESCENT, EARLIER, SHORTER, INTERMEDIATE AND MEDIUM GRAIN TYPES AND GOLD HULLS. NO MORE THAN 5/1,000 PLANTS ARE ALLOWED TO HAVE LONG GRAIN VARIANT WITH PUBESCENCE.	2/SQ ROD	11/5 SQ ROD	3/SQ ROD
CL111	39	LONG	P	1/5,000 PLANTS THAT ARE TALLER AND LATER, PUBESCENT, EARLIER, SHORTED, MEDIUM GRAIN, INTERMEDIATE GRAIN, GOLD HULL AND LIGHTER COLORED LEAF.	2/SQ ROD	11/5 SQ ROD	3/SQ ROD
CL121	34	LONG	P	1/5,000 PLANTS WITH ANY COMBINATION OF NON-IMAZETHAPYR TOLERANT, TALLER, SHORTER, PUBESCENT, EARLIER, LATER, MEDIUM AND INTERMEDIATE GRAIN SHAPE.	2/SQ ROD	11/5 SQ ROD	3/SQ ROD
CL131	41	LONG	P	1/5,000 PLANTS WITH ANY COMBINATION OF THE FOLLOWING: TALLER, SHORTER, EARLIER, LATER, PUBESCENT, GOLD HULL, MEDIUM, INTERMEDIATE OR SHORT GRAINS.	2/SQ ROD	11/5 SQ ROD	3/SQ ROD
CL141	43	LONG	P	1/5,000 PLANTS WITH ANY COMBINATION OF NON-IMAZETHAPYR TOLERANT, TALLER, SHORTER, PUBESCENT, EARLIER, LATER, AND MEDIUM GRAIN SHAPE.	2/SQ ROD	11/5 SQ ROD	3/SQ ROD

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2020 RICE BREEDER DESCRIPTIONS

VARIETY	HEIGHT	GRAIN LENGTH	APICULUS COLOR*	BREEDER'S VARIANCES	MAXIMUM OTHER VARIETIES INCLUDES CIRCULAR 15 STANDARD AMOUNTS, PLUS BREEDER VARIANCES, BELOW:		
					Foundation	Registered	Certified
CL142-AR	44	LONG	S/B, P	1/5,000 OR LESS, INCLUDING TALLER, SHORTER, EARLIER, LATER, GLABOROUS OR PUBESCENT, INTERMEDIATE OR LONG GRAINS OR GRAINS WITH LONG AWNS, AND OTHER ATYPICAL PLANTS. APICULUS COLOR MAINLY STRAW AND BROWN/TAWNY, TO PURPLE FOR THE REST.	2/SQ ROD	11/5 SQ ROD	3/SQ ROD
CL151	40	LONG	P	1/5,000 OR LESS, INCLUDING TALLER, SHORTER, EARLIER, LATER, GOLD HULL, INTERMEDIATE AND MEDIUM GRAIN SHAPE AND LEAF PUBESCENCE.	2/SQ ROD	11/5 SQ ROD	3/SQ ROD
CL152	37	LONG	P	1/5,000 OR LESS, INCLUDING PUBESCENT, TALLER, SHORTER, LATER, EARLIER, SHORT-, MEDIUM-, AND INTERMEDIATE-GRAIN TYPES, GOLD AND BLACK HULL, AND STERILE PANICLE.	2/SQ ROD	11/5 SQ ROD	3/SQ ROD
CL153	38	LONG	S	7/5,000 OR LESS, INCLUDING PUBESCENT, TALLER, SHORTER, LATER, EARLIER, SHORT-, MEDIUM-, AND INTERMEDIATE-GRAIN TYPES, GOLD AND BLACK HULL, DARK BROWN BRAN LAYER AND STERILE PANICLE.	22/SQ ROD	111/5 SQ RODS	23/SQ ROD
CL161	43	LONG	P	1/4,000 PLANTS WITH ANY COMBINATION OF NON-IMAZETHAPYR TOLERANT, TALLER, SHORTER, PUBESCENT, EARLIER, LATER, AND MEDIUM & INTERMEDIATE GRAIN SHAPE. OCCASIONAL GOLD HULLED GRAIN HAS BEEN OBSERVED.	2/SQ ROD	12/5 SQ ROD	3/SQ ROD
CL162	42	LONG	S	[THIS DESCRIPTION MAY BE AMENDED WITH FURTHER INFORMATION] PHENOTYPIC VARIATIONS INCLUDE PLANT HEIGHT AND HEADING AND MATURITY DATES AND ARE EXPECTED TO DECREASE WITH ADDITIONAL HEAD ROW PRODUCTION. AWNS ARE NOT EXPECTED BUT MAY OCCUR.	2/SQ ROD	11/5 SQ ROD	3/SQ ROD
CL163	41-42	LONG	S	POSSIBLE ATYPICAL PLANT TRAIT VARIATIONS MIGHT INCLUDE PLANT HEIGHT, HEADING/MATURITY, GRAIN TYPE AND SHAPE, HULL COLOR, AWNS, AND PIGMENTATION VARIANTS LESS THAN 1 IN 5000 PLANTS.	2/SQ ROD	11/5 SQ ROD	3/SQ ROD

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2020 RICE BREEDER DESCRIPTIONS

VARIETY	HEIGHT	GRAIN LENGTH	APICULUS COLOR*	BREEDER'S VARIANCES	MAXIMUM OTHER VARIETIES INCLUDES CIRCULAR 15 STANDARD AMOUNTS, PLUS BREEDER VARIANCES, BELOW:		
					Foundation	Registered	Certified
CL171-AR	38	LONG	P/C	1/5,000 TALLER, SHORTER, EARLIER, LATER, GLABOROUS OR PUBESCENT PLANTS, AS WELL AS INTERMEDIATE OR LONG GRAINS AND GRAINS WITH LONG AWNS. OTHER ATYPICAL PLANTS MAY STILL BE ENCOUNTERED IN THE VARIETY.	2/SQ ROD	11/5 SQ ROD	3/SQ ROD
CL172	36	LONG	R	THE ORIGINAL RELEASE OF BREEDER HEAD ROW MAY CONTAIN THE FOLLOWING IN ANY COMBINATION: TALLER, SHORTER, EARLIER, LATER, GLABOROUS OR PUBESCENT PLANTS, AS WELL AS INTERMEDIATE OR LONG-GRAINS AND GRAINS WITH EXTREMELY LONG AWNS. OTHER ATYPICAL PLANTS MAY STILL BE ENCOUNTERED IN THE VARIETY. THE TOTAL VARIANTS AND/OR OFF-TYPES NUMBERED LESS THAN 1 PER 5000 PLANTS.	2/SQ ROD	11/5 SQ ROD	3/SQ ROD
CL181-AR	32	LONG	S/B, P	1/5,000 OR LESS, INCLUDING TALLER, SHORTER, EARLIER, LATER, GLABOROUS OR PUBESCENT, INTERMEDIATE OR LONG GRAINS OR GRAINS WITH LONG AWNS, AND OTHER ATYPICAL PLANTS. APICULUS COLOR MAINLY STRAW AND BROWN/TAWNY, TO PURPLE FOR THE REST.	2/SQ ROD	11/5 SQ ROD	3/SQ ROD
CL261	38	MEDIUM	P**	1/1,000 PLANTS THAT ARE TALLER AND LATER, PUBESCENT, EARLIER, SHORTED, LONG GRAIN, INTERMEDIATE GRAIN, GOLD HULL AND LIGHTER COLORED LEAF AND VARIEGATED LEAF.	8/SQ ROD	44/5 SQ ROD	12/SQ ROD
CL271	37.8	MEDIUM	P/C	LESS THAN 1/5,000 TALLER, LATER, EARLIER, SHORTER, PUBESCENT, LONG GRAIN, INTERMEDIATE GRAIN, GOLD HULL, STRAW-COLORED APICULUS, LIGHTER COLORED LEAF AND VARIEGATED LEAF.	2/SQ ROD	11/5 SQ ROD	3/SQ ROD
CL272	38	MEDIUM	S	1/5,000 OR LESS, INCLUDING PUBESCENT, TALLER, SHORTER, LATER, EARLIER, SHORT-, MEDIUM-, AND INTERMEDIATE-GRAIN TYPES, GOLD AND BLACK HULL, AND STERILE PANICLE.	2/SQ ROD	11/5 SQ RODS	3/SQ ROD
Clearfield XP4534	30.7	LONG	B	LOW PERCENTAGE OF OFF-TYPES POSSIBLE GIVEN CROSS-POLLINATED HYBRID CROP: WOULD ANTICIPATE OFF-TYPES TO BE UNDER 0.5%, GENERALLY IDENTIFIED AS TALLER PLANTS.	8/SQ ROD	44/5 SQ ROD	12/SQ ROD

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2020 RICE BREEDER DESCRIPTIONS

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VARIETY	HEIGHT	GRAIN LENGTH	APICULUS COLOR*	BREEDER'S VARIANCES	Foundation	Registered	Certified	
CLL15	38.2	LONG	P	1/5,000 OR LESS, INCLUDING PUBESCENT, TALLER, SHORTER, LATER, EARLIER, SHORT-, MEDIUM-, AND INTERMEDIATE-GRAIN TYPES, GOLD AND BLACK HULL, AND STERILE PANICLE.	2/SQ ROD	11/5 SQ ROD	3/SQ ROD	
CLL16	44	LONG	B	LESS THAN 1 PER 2,000 TALLER, SHORTER, EARLIER, LATER, GLABROUS OR PUBESCENT PLANTS, LONG-GRAIN AND GRAINS WITH EXTREMELY LONG AWNS.	5/SQ ROD	26/5 SQ RODS	6/SQ ROD	
CLL17	39	LONG	P	VARIANTS OBSERVED INCLUDE ANY COMBINATION OF THE FOLLOWING: PUBESCENT, TALLER, SHORTER, LATER, EARLIER, SHORT-, MEDIUM- AND INTERMEDIATE-GRAIN TYPES, GOLD AND BLACK HULL AND STERILE PANICLE. THE TOTAL NUMBERS OF VARIANTS WERE LESS THAN 1 PER 10,000 PLANTS.	1/SQ ROD	3/5 SQ RODS	2/SQ ROD	
CLM04	41.7	MEDIUM	P	1/5,000 OR LESS, INCLUDING PUBESCENT, TALLER, SHORTER, LATER, EARLIER, SHORT-, MEDIUM-, LONG-, AND INTERMEDIATE-GRAIN TYPES, GOLD AND BLACK HULL, AND STERILE PANICLE.	2/SQ ROD	11/5 SQ ROD	3/SQ ROD	
COCODRIE	39	LONG	C	1/5,000 PLANTS WITH ANY COMBINATION OF TALLER, PUBESCENT, EARLIER, LATER, SHORTER, INTERMEDIATE, MEDIUM OR SHORT GRAIN TYPE, AND GOLD HULL.	2/SQ ROD	11/5 SQ ROD	3/SQ ROD	
COLORADO	36.6	LONG	B	1/5,000: EARLY FLOWERING, LATE FLOWERING, TALLER, SHORTER, DARK GREEN LEAVES, LATE SENESCENCE. 1/10,000: PLANTS WITH ERECT AND STERILE PANICLE.	2/SQ ROD	11/5 SQ RODS	3/SQ ROD	
CYBONNET	38	LONG	C	1/5,000 TALLER, SHORTER, EARLIER, LATER, GLABROUS OR PUBESCENT PLANTS, AS WELL AS INTERMEDIATE OR LONG GRAINS AND GRAINS WITH LONG AWNS. OTHER ATYPICAL PLANTS MAY STILL BE ENCOUNTERED IN THE VARIETY.	2/SQ ROD	11/5 SQ ROD	3/SQ ROD	
CYPRESS					5/SQ ROD	26/5 SQ ROD	6/SQ ROD	
DELLA	50	LONG	C	NONE NOTED	0/SQ ROD	1/5 SQ ROD	1/SQ ROD	
DELLA-2	39.4	LONG	LTGR*	LESS THAN 1/5,000 PUBESCENT, TALLER, SHORTER, LATER, EARLIER, SHORT-, MEDIUM-, AND INTERMEDIATE-GRAIN TYPES, GOLD AND BLACK HULL, AND STERILE PANICLE.	2/SQ ROD	11/5 SQ ROD	3/SQ ROD	
VARIETY	HEIGHT	GRAIN LENGTH	APICULUS COLOR*	BREEDER'S VARIANCES	Foundation	Registered	Certified	
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DELLMATI	48	LONG	P	1/5,000 PLANTS WITH ANY COMBINATION OF TALLER, SHORTER, LATER, GLABROUS, AND GOLD HULL. (Dellmati is a pubescent aromatic variety that can have awns.)	2/SQ ROD	11/5 SQ RODS	3/SQ ROD
DELLROSE	38	LONG	C	1/5,000 PLANTS WITH ANY COMBINATION OF TALLER, SHORTER, EARLIER, INTERMEDIATE GRAINS, MEDIUM GRAINS, AND PUBESCENT VEGETATION AND HULLS.	2/SQ ROD	11/5 SQ ROD	3/SQ ROD
DG263L	36	LONG	S	1% OR LESS VARIANTS IN HEADING, PLANT HEIGHT, GRAIN LENGTH, AND OTHER CHARACTERISTICS	50/SQ ROD	251/5 SQ RODS	51/SQ ROD
DIAMOND	41	LONG	R or P	YEAR 2017 THROUGH 2019**, OFFTYPES LESS THAN 1 PER 500. YEAR 2020 FORWARD, THE ORIGINAL RELEASE OF BREEDER HEAD ROW MAY CONTAIN THE FOLLOWING IN ANY COMBINATION: TALLER, SHORTER, EARLIER, LATER, GLABROUS OR PUBESCENT PLANTS, AS WELL AS INTERMEDIATE GRAINS, OR LONG-GRAINS AND GRAINS WITH EXTREMELY LONG AWNS. OTHER ATYPICAL PLANTS MAY STILL BE ENCOUNTERED IN THE VARIETY. THE TOTAL VARIANTS AND/OR OFF-TYPES NUMBERED LESS THAN 1 PER 2000 PLANTS.	9/SQ ROD	46/5 SQ ROD	10/SQ ROD
DIXIEBELLE	34	LONG	P	NONE NOTED.	NONE	1/5 SQ RODS	1/SQ ROD
DREW					2/SQ ROD	11/5 SQ ROD	3/SQ ROD
EARL					2/SQ ROD	11/5 SQ ROD	3/SQ ROD
FRANCIS	40	LONG	C	1/5,000 PLANTS WITH ANY COMBINATION OF TALLER, SHORTER, EARLIER, LATER, GLABROUS OR PUBESCENT PLANTS, INTERMEDIATE OR LONG GRAINS, AND GRAINS WITH LONG AWNS. (NOTE: PLANT HEIGHT CAN RANGE FROM 37 TO 50 INCHES TALL)	2/SQ ROD	11/5 SQ ROD	3/SQ ROD
JASMINE 85	42	LONG	C	1/25,000 TALLER PLANTS AND RARELY A FEW AWN GRAINS ON A PANICLE.	1/5 SQ RODS	2/5 SQ RODS	1/SQ ROD
JAZZMAN	40	LONG	P	1/5,000 PLANTS WITH TALLER, SHORTER, PUBESCENT, AWNED, SHORT, MEDIUM AND INTERMEDIATE GRAIN, EARLIER, LATER, STRAW-COLORED APICULUS, STRAW-COLORED HULL, AND STERILE PANICLES.	2/SQ ROD	11/5 SQ ROD	3/SQ ROD

VARIETY	HEIGHT	GRAIN LENGTH	APICULUS COLOR*	BREEDER'S VARIANCES	Foundation	Registered	Certified
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					Foundation	Registered	Certified
JAZZMAN-2	36	LONG	LT. GREEN	LESS THAN 1/5,000 PLANTS WITH ANY COMBINATION OF PUBESCENT, TALLER, SHORTER, LATER, EARLIER, SHORT-, MEDIUM-, AND INTERMEDIATE-GRAIN TYPES, GOLD AND BLACK HULL, AND STERILE PANICLE.	2/SQ ROD	11/5 SQ ROD	3/SQ ROD
JEFFERSON					2/SQ ROD	11/5 SQ ROD	3/SQ ROD
JES	35.5	LONG	S	NONE NOTED	0/SQ ROD	1/5 SQ ROD	1/SQ ROD
JEWEL	41.3	LONG	R	The original release of breeder head row may contain the following in any combination: taller, shorter, earlier, later, glabrous or pubescent plants, as well as intermediate or long-grains and grains with extremely long awns. Other atypical plants may still be encountered in the variety (medium and short grain). The total variants and/or off-types numbered less than 1 per 5000 plants	2/SQ RD	11/5 SQ RD	3/SQ RD
JUPITER	37	MEDIUM	P	1/1200 PLANTS WITH ANY COMBINATION OF TALLER, SHORTER, PUBESCENT, AWNED, SHORT OR LONG GRAIN, EARLIER, LATER, STRAW-COLORED APICULUS, AND GOLD HULL.	8/SQ ROD	44/5 SQ ROD	12/SQ ROD
KAYBONNET	43	LONG	P/C	2/5,000 TALLER, SHORTER, EARLIER AND/OR LATER PLANTS AS WELL AS POSSIBLE GOLD-HULLED, MEDIUM, INTERMEDIATE OR VERY LONG GRAIN, AND OTHER OFF TYPE PLANTS.	4/SQ ROD	22/5 SQ RODS	6/SQ ROD
LAGRUE	44	LONG	C	1/5,000 WITH ANY COMBINATION OF TALLER, SHORTER, EARLIER, LATER PLANTS, OCCASIONAL INTERMEDIATE GRAIN OR PURPLE APICULUS, SOME TALLER PUBESCENT, LIGHTER GREEN, LONG GRAIN PLANTS, AND OTHER OFF TYPES.	2/SQ ROD	11/5 SQ ROD	3/SQ ROD
LAKAST	41.7	LONG	R	LESS THAN 1/5,000 TALLER, SHORTER, EARLIER, LATER, GLABROUS OR PUBESCENT PLANTS, INTERMEDIATE OR LONG-GRAINS AND GRAINS WITH EXTREMELY LONG AWNS, AND OTHER ATYPICAL PLANTS.	2/SQ ROD	11/5 SQ RODS	3/SQ ROD
LEMONT					n/a	n/a	n/a

VARIETY	HEIGHT	GRAIN LENGTH	APICULUS COLOR*	BREEDER'S VARIANCES	Foundation	Registered	Certified
MAXIMUM OTHER VARIETIES INCLUDES CIRCULAR 15 STANDARD AMOUNTS, PLUS BREEDER VARIANCES, ABOVE:							

2020 RICE BREEDER DESCRIPTIONS

**MAXIMUM OTHER VARIETIES INCLUDES
CIRCULAR 15 STANDARD AMOUNTS, PLUS
BREEDER VARIANCES, BELOW:**

VARIETY	HEIGHT	GRAIN LENGTH	APICULUS COLOR*	BREEDER'S VARIANCES	Foundation	Registered	Certified
LYNX	42.1	MEDIUM	C	VARIANTS OBSERVED AND REMOVED FROM INCREASE FIELDS INCLUDED ANY COMBINATION OF THE FOLLOWING: PUBESCENT, TALLER, SHORTER, LATER, EARLIER, LONG-, SHORT-, AND INTERMEDIATE-GRAIN TYPES, GOLDEN AND BLACK HULL, AND STERILE PANICLE. THE TOTAL VARIANTS NUMBERED LESS THAN 1 PER 5000 PLANTS.	2/SQ ROD	11/5 SQ RODS	3/SQ ROD
MADISON					n/a	n/a	n/a
MARTIN	37.8	LONG	R	LESS THAN 1/5,000 ANY COMBINATION OF TALLER, SHORTER, EARLIER, LATER, GLABROUS OR PUBESCENT PLANTS, NON-AROMATIC, AS WELL AS INTERMEDIATE OR VERY-LONG SLENDER GRAINS, AND OTHER ATYPICAL PLANTS MAY STILL BE ENCOUNTERED IN THE VARIETY.	2/SQ ROD	11/5 SQ RODS	3/SQ ROD
MEDARK					2/SQ ROD	11/5 SQ ROD	3/SQ ROD
MERMENTAU	35	LONG	P**	LESS THAN 1/5,000 PUBESCENT, TALLER, SHORTER, LATER, EARLIER, SHORT-, MEDIUM-, AND INTERMEDIATE-GRAIN TYPES, GOLD AND BLACK HULL, AND STERILE PANICLE.	2/SQ ROD	11/5 SQ ROD	3/SQ ROD
MM-14	36.4	MEDIUM	S	[CONTACT OFFICE]	n/a	n/a	n/a
MM17	34	MEDIUM	S	VARIANTS OBSERVED WERE PUBESCENT, TALLER, SHORTER, LATER, EARLIER, SHORT- AND INTERMEDIATE-GRAIN TYPES, GOLD AND BLACK HULL, PURPLE/DISCOLORED PERICARP, AND STERILE PANICLE. VARIATIONS IN GRAIN DIMENSIONS MAY OCCUR AS LONGER, SHORTER, THICKER OR THINNER GRAINS. THE TOTAL NUMBER OF VARIANTS WAS LESS THAN 1 PER 5,000.	2/SQ ROD	11/5 SQ ROD	3/SQ ROD
NEPTUNE	36	MEDIUM		LESS THAN 1/4,000 TALLER, EARLIER, PUBESCENT, SHORTER, LONG-GRAIN TYPES, AND GOLD HULL. NEPTUNE IS HIGH-YIELDING, EARLY-MATURING (SIMILAR TO JUPITER & BENGAL), SHORT STATURE, FLAG LEAF LONGER THAN JUPITER.	2/SQ ROD	11/5 SQ ROD	3/SQ ROD
PIROGUE	36	SHORT	C	NONE NOTED	0/SQ ROD	1/5 SQ ROD	1/SQ ROD
PRESIDIO					0/SQ ROD	1/5 SQ ROD	1/SQ ROD

VARIETY	HEIGHT	GRAIN LENGTH	APICULUS COLOR*	BREEDER'S VARIANCES	Foundation	Registered	Certified
MAXIMUM OTHER VARIETIES INCLUDES CIRCULAR 15 STANDARD AMOUNTS, PLUS BREEDER VARIANCES, ABOVE:							

2020 RICE BREEDER DESCRIPTIONS

**MAXIMUM OTHER VARIETIES INCLUDES
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VARIETY	HEIGHT	GRAIN LENGTH	APICULUS COLOR*	BREEDER'S VARIANCES	Foundation	Registered	Certified
PRISCILLA					3/SQ ROD	16/5 SQ ROD	4/SQ ROD
ProGold1	39.4	LONG	R	The original release of breeder head row may contain the following in any combination: taller, shorter, earlier, later, glabrous or pubescent plants, as well as intermediate or long-grains and grains with extremely long awns. Other atypical plants may still be encountered in the variety (medium and short grain). The total variants and/or off-types numbered less than 1 per 5000 plants.	2/SQ RD	11/5 SQ RD	3/SQ RD
ProGold2	40.6	LONG	R	The original release of breeder head row may contain the following in any combination: taller, shorter, earlier, later, glabrous or pubescent plants, as well as intermediate or long-grains and grains with extremely long awns. Other atypical plants may still be encountered in the variety (medium and short grain). The total variants and/or off-types numbered less than 1 per 5000 plants	2/SQ RD	11/5 SQ RD	3/SQ RD
PVL01	37	LONG	P	TOTAL NUMBER OF VARIANTS LESS THAN 1/1,000 INCLUDING PUBESCENT, TALLER, SHORTER, LATER, EARLIER, SHORT-, MEDIUM- AND INTERMEDIATE-GRAIN TYPES, GOLD AND BLACK HULL, AWNED PANICLES AND STERILE PANICLES.	2/5,000	11/5,000	3/5,000
PVL02	40	LONG	P	Variants observed and removed from increase fields of PVL02 included any combination of the following: pubescent, awns, taller, shorter, later, earlier, short-, medium-, and intermediate-grain types, gold and black hull, and sterile panicle. The total numbers of variants were less than 1 per 5,000 plants.	2/5,000	11/5,000	3/5,000
REX	41	LONG	B	[THIS DESCRIPTION MAY BE AMENDED LATER] LOW FREQUENCY OF VARIANTS INCLUDE TALLER AND EARLIER; AS WELL AS COMBINATIONS OF PUBESCENT, AWNED, LATER, SHORTER, DARKER, AND LIGHTER LEAF COLOR.	2/SQ ROD	11/5 SQ ROD	3/SQ ROD
ROY J	43.3	LONG	P	LESS THAN 1/5,000 PLANTS WITH ANY COMBINATION OF TALLER, SHORTER, EARLIER, LATER, GLABROUS OR PUBESCENT PLANTS, INTERMEDIATE OR LONG GRAINS, OR OTHER ATYPICAL PLANTS.	2/SQ ROD	11/5 SQ ROD	3/SQ ROD
RU1701124	N/A	MED		ONLY FOR GRAIN TESTING PRODUCTION, NOT FOR SEED AT THIS TIME 8-8-2018.	N/A	N/A	N/A
VARIETY	HEIGHT	GRAIN LENGTH	APICULUS COLOR*	BREEDER'S VARIANCES	Foundation	Registered	Certified
					MAXIMUM OTHER VARIETIES INCLUDES CIRCULAR 15 STANDARD AMOUNTS, PLUS BREEDER VARIANCES, ABOVE:		

2020 RICE BREEDER DESCRIPTIONS

**MAXIMUM OTHER VARIETIES INCLUDES
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BREEDER VARIANCES, BELOW:**

VARIETY	HEIGHT	GRAIN LENGTH	APICULUS COLOR*	BREEDER'S VARIANCES	Foundation	Registered	Certified
RU9601099	39.8	SHORT	S	TALLER, SHORTER, EARLIER, LATER, GLABROUS OR PUBESCENT PLANTS, AS WELL AS INTERMEDIATE OR LONG GRAINS AND GRAINS WITH EXTREMELY LONG AWNS. OTHER ATYPICAL PLANTS MAY STILL BE ENCOUNTERED IN THE VARIETY. THE TOTAL VARIANTS AND/OR OFF-TYPES NUMBERED LESS THAN 1 PER 2000 PLANTS.	5/SQ ROD	26/5 SQ ROD	6/SQ ROD
SABER					2/SQ ROD	11/5 SQ ROD	3/SQ ROD
SIERRA					2/SQ RD	11/5 SQ RD	3/SQ RD
SIXTY SEVEN	32	LONG		NO ISSUES OF GENETIC PURITY ARE KNOWN OR EXPECTED	0/SQ ROD	1/5 SQ ROD	1/SQ ROD
SPRING	41	LONG	C	1/5000 PLANTS WITH ANY COMBINATION OF TALLER, SHORTER, EARLIER, LATER, GLABROUS OR PUBESCENT PLANTS, INTERMEDIATE OR LONG GRAIN WITH LONG AWNS. OTHER ATYPICAL PLANTS MAY STILL BE ENCOUNTERED IN THE VARIETY.	2/SQ ROD	11/5 SQ ROD	3/SQ ROD
TAGGART	44	LONG		LESS THAN 1/5,000: TALLER, SHORTER, EARLIER, LATER, GLABROUS OR PUBESCENT, INTERMEDIATE OR LONG-GRAINS AND GRAINS WITH LONG AWNS. 1 PER 1000 ALLOWED PUBESCENT GRAINS.	2/SQ RD	11/5 SQ RD	3/SQ RD
TEMPLETON	41	LONG		LESS THAN 1/5,000: TALLER, SHORTER, EARLIER, LATER, GLABROUS OR PUBESCENT, INTERMEDIATE OR LONG-GRAINS AND GRAINS WITH LONG AWNS.	2/SQ RD	11/5 SQ RD	3/SQ RD
THAD	40	LONG	B	LESS THAN 1/5,000: PLANT HEIGHT, DAYS TO HEADING/MATURITY, GRAIN SHAPE AND SIZE, HULL COLOR, PRESENCE OF AWNS, AND PIGMENTATION.	2/SQ ROD	11/5 SQ RODS	3/SQ ROD
TITAN	38	MEDIUM	P	LESS THAN 1 PER 2000 PLANTS WITH VARIANTS INCLUDING PUBESCENT, TALLER, SHORTER, LATER, EARLIER, SHORT-, LONG-, AND INTERMEDIATE-GRAIN TYPES, GOLD AND BLACK HULL, AND STERILE PANICLE.	5/SQ ROD	26/5 SQ ROD	6/SQ ROD
TRENASSE	40	LONG	P	1/5000 PLANTS WITH ANY COMBINATION OF TALLER, SHORTER, EARLIER, LATER, PUBESCENT GOLD HULL, MEDIUM, INTERMEDIATE OR SHORT GRAIN.	2/SQ ROD	11/5 SQ ROD	3/SQ ROD

VARIETY	HEIGHT	GRAIN LENGTH	APICULUS COLOR*	BREEDER'S VARIANCES	Foundation	Registered	Certified
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2020 RICE BREEDER DESCRIPTIONS

**MAXIMUM OTHER VARIETIES INCLUDES
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BREEDER VARIANCES, BELOW:**

VARIETY	HEIGHT	GRAIN LENGTH	APICULUS COLOR*	BREEDER'S VARIANCES	Foundation	Registered	Certified
WELLS	41	LONG	P/C	1/500 PLANTS WITH ANY COMBINATION OF TALLER, SHORTER, EARLIER, LATER, GLABOROUS OR PUBESCENT PLANTS, AS WELL AS INTERMEDIATE OR VERY LONG SLENDER GRAINS AND GRAINS WITH LONG AWNS.	9/SQ ROD	46/5 SQ ROD	10/SQ ROD

*APICULUS COLOR AT MATURITY WILL EITHER BE PURPLE (P), CLEAR (C), OR BOTH PURPLE AND CLEAR (P/C), LIGHT GREEN (LTGR), STRAW (S), BROWN-TAWNY (B), RED (R)

**PURPLE AT HEADING BUT INDISTINGUISHABLE AT MATURITY

MEASUREMENTS

1 SQ. ROD = 0.006 ACRES OR 16.52 FT.

160 SQ. RODS = 1 ACRE

EST. 10 to 20 PLANTS PER SQ. FOOT, or 2722 to 5445 PLANTS PER SQ. ROD.

1 ACRE = 43,560 SQUARE FEET

1 ACRE - 160 SQUARE RODS

1 ROD = 16.5 ft. x 16.5 ft.

THERE ARE APPROXIMATELY 18,000 ROUGH RICE SEEDS PER POUND

THERE ARE APPROXIMATELY 25,000 HULLED RICE SEEDS PER POUND

90-110 LB / ACRE SOW RATE FOR DRILLED

110-150 LB / ACRE SOW RATE FOR BROADCAST

VARIETY	HEIGHT	GRAIN LENGTH	APICULUS COLOR*	BREEDER'S VARIANCES	Foundation	Registered	Certified
MAXIMUM OTHER VARIETIES INCLUDES CIRCULAR 15 STANDARD AMOUNTS, PLUS BREEDER VARIANCES, ABOVE:							

2020 OATS BREEDER DESCRIPTIONS

**MAXIMUM OTHER VARIETIES INCLUDES
CIRCULAR 15 STANDARD AMOUNTS, PLUS
BREEDER VARIANCES, BELOW:**

VARIETY	HEIGHT	AWNEDNESS	BREEDER'S VARIANCES	Foundation	Registered	Certified
BOB	SHORT		1% TAN SEED	50/5,000	51/5,000	26/2,500
COSAQUE				n/a	n/a	n/a
GRAHAM	SHORT (32)		NONE NOTED	NONE	1/5,000	1/2,500
HORIZON 201	46.5		UP TO 1% TALLER OR SHORTER	50/5,000	51/5,000	26/2,500
HORIZON 270	SHORT (36)		1 PER 2500 TALLER	2/5,000	3/5,000	2/2,2500
HORIZON LA976	MEDIUM (39)	NO AWNS, NO BAS	1/500 VARIANTS, SLIGHTLY SHORTER (8 cm - 3 in) A WHITE-SEEDED VARIANT SEEN UNDER BLACKLIGHT THAT APPEARS NORMAL IN COLOR UNDER VISIBLE LIGHT.	13/5,000	14/5,000	7/2,500
LA9339	MID-TALL (47.4)		UP TO 0.25% SLIGHTLY SHORTER PLANTS; UP TO 0.25% SLIGHTLY MORE OPEN HEAD TYPES.	13/5000	14/5000	7/2500
NF95418	39 IN	AWNED	AWNS 10 MILLIMETERS LONG, NON-TWISTED, OCCUR INFREQUENTLY. NO BREEDER DESCRIPTION AS OF 5-13-2013.	n/a	n/a	n/a
ROMAR-07	SHORT		UP TO 5% TAN OATS	252/5,000	253/5,000	255/5,000
SECRETARIAT LA495				0/5,000	1/5,000	1/2,500
TAMO 405	35 - 36 IN		NONE NOTED.	0/5,000	1/5,000	1/2,500
TROPHY	44 IN		NONE NOTED.	0/5,000	1/5,000	1/2,500
YORK	33 IN		NONE NOTED	0/5,000	1/5,000	1/2,500

VARIETY	HEIGHT	AWNEDNESS	BREEDER'S VARIANCES	Foundation	Registered	Certified
MAXIMUM OTHER VARIETIES INCLUDES CIRCULAR 15 STANDARD AMOUNTS, PLUS BREEDER VARIANCES, ABOVE:						

2020 TRITICALE BREEDER DESCRIPTIONS

**MAXIMUM OTHER VARIETIES INCLUDES
CIRCULAR 15 STANDARD AMOUNTS, PLUS
BREEDER VARIANCES, BELOW:**

VARIETY	HEIGHT	AWNEDNESS	BREEDER'S VARIANCES	Foundation	Registered	Certified
2700	63 IN	AWNED	THE SPIKE OF APPROXIMATELY 1 PLANT PER 6000 IS INCLINED, AND NORMAL IS ERECT TO SLIGHTLY RECURVED. TALL VARIANTS OCCUR 1 PER 6500.	1/5,000	2/5,000	2/2,500
342				n/a	n/a	n/a
618491724	TALL	AWNLESS	LESS THAN 1% TALL PLANTS OBSERVED	50/5,000	51/5,000	26/2,500
MONARCH	MEDIUM	AWNED	UP TO 1% VARIANT PLANTS	50/5,000	51/5,000	26/2,500

VARIETY	HEIGHT	AWNEDNESS	BREEDER'S VARIANCES	Foundation	Registered	Certified
MAXIMUM OTHER VARIETIES INCLUDES CIRCULAR 15 STANDARD AMOUNTS, PLUS BREEDER VARIANCES, ABOVE:						

2020 WHEAT BREEDER DESCRIPTIONS

**MAXIMUM OTHER VARIETIES INCLUDES
CIRCULAR 15 STANDARD AMOUNTS, PLUS
BREEDER VARIANCES, BELOW:**

VARIETY	HEIGHT	AWNEDNESS	BREEDER'S VARIANCES	Foundation	Registered	Certified
111303W			[CALL OFFICE]	0/5,000	1/5,000	1/2,500
111305W			[CALL OFFICE]	0/5,000	1/5,000	1/2,500
2552				0/5,000	1/5,000	1/2,500
2580	36-37	AWNED	NONE NOTED.	0/5,000	1/5,000	1/2,500
25R32	36-37	AWNED	NONE NOTED	0/5,000	1/5,000	2/2,500
25R40				0/5,000	1/5,000	1/2,500
25R78	36.5	AWNED	VARIATIONS ARE LIMITED TO SLIGHTLY TALLER PLANTS OR AWNLESS PLANTS AT A FREQUENCY NO GREATER THAN 1/15,000 IN TOTAL.	0/5,000	1/5,000	1/2,500
2684				0/5,000	1/5,000	1/2,500
2691				n/a	n/a	n/a
26R10	33	AWNED	NONE NOTED	0/5,000	1/5,000	1/2,500
26R12	MED-TALL (38)	AWNED	UP TO 1/15,000 SLIGHTLY TALLER OR AWNLESS PLANTS.	0/5,000	1/5,000	1/2,500
26R15	38	AWNED	UP TO 1/15,000 SLIGHTLY TALLER OR AWNLESS PLANTS.	0/5,000	1/5,000	1/2,500
26R20	38	AWNED	NONE NOTED	0/5,000	1/5,000	1/2,500
26R22	38	AWNED	NONE NOTED	0/5,000	1/5,000	1/2,500
26R24		AWNLESS	1/15,000 SLIGHTLY TALLER, AND AWNED OR APICALLY AWNLETTED PLANTS.	0/5,000	1/5,000	1/2,500
26R36	36	AWNED	EARLIER, TALLER AND/OR AWNLESS OFF-TYPE PLANTS OF SLIGHTLY LIGHTER OR DARKER COLOR HAVE BEEN OBSERVED AND ROGUED DURING SEED MULTIPLICATION TO BELOW 0.02%.	1/5,000	2/5,000	2/2,500
26R38		AWNED	NONE	0/5,000	1/5,000	1/2,500
26R41	33	AWNED	MAXIMUM LEVEL OF OFF-TYPES ARE: 0.0067% FOR FOUNDATION, 0.01% FOR REGISTERED, 0.02% FOR CERTIFIED BLUE-TAG CLASS.	1/5,000	2/5,000	2/2,500
26R45	37	APICALLY AWNLET	AWNED AND/OR TALLER PLANTS MAY OCCUR AT A FREQUENCY OF UP TO 0.1%.	5/5,000	6/5,000	4/2,500
26R46	40-41	AWNED	UP TO 1/15,000 SLIGHTLY TALLER OR AWNLESS PLANTS.	0/5,000	1/5,000	1/2,500

VARIETY	HEIGHT	AWNEDNESS	BREEDER'S VARIANCES	Foundation	Registered	Certified
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2020 WHEAT BREEDER DESCRIPTIONS

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BREEDER VARIANCES, BELOW:**

VARIETY	HEIGHT	AWNEDNESS	BREEDER'S VARIANCES	Foundation	Registered	Certified
26R53	33	AWNED	MAXIMUM LEVEL OF OFF-TYPES ARE: 0.0067% FOR FOUNDATION, 0.01% FOR REGISTERED, 0.02% FOR CERTIFIED BLUE-TAG CLASS.	1/5,000	1/5,000	1/2,500
26R58		AWNED	UP TO 1/15,000 TALLER OR AWNLESS PLANTS.	0/5,000	1/5,000	1/2,500
26R59	32	APICALLY AWNLET	VARIANTS INCLUDE SOME TALLER, EARLIER AND/OR AWNED OFF-TYPE PLANTS OBSERVED IN LESS THAN 0.02%.	1/5,000	2/5,000	2/2,500
26R61	36-37	AWNED	1/15,000 SLIGHTLY TALLER, OR AWNLESS PLANTS.	0/5,000	1/5,000	1/2,500
26R87	36.2	AWNED	NONE	0/5,000	1/5,000	1/2,500
36803	32-36	AWNLESS	1% PLANTS FOR HEIGHT AND HEAD TYPE.	50/5,000	51/5,000	26/2,500
38158	36-39	AWNLETED	1% PLANTS FOR HEIGHT AND PURPLE STEM COLOR.	50/5,000	51/5,000	26/2,500
38206	35	APICALLY AWNLET	UP TO 0.50% TALLER, 0.30% SHORTER AND 0.50% PLANTS WITH LONGER AWNS.	25/5,000	26/5,000	14/2,500
522W	35	AWNLETED	1/10,000 TALL AWNED TYPES, 2/10,000 TALL TYPES AND 1/100,000 WITH CLAVATE SPIKES.	1/5,000	1/5,000	2/2,500
535W	MEDIUM	AWNLETED	1% TALLER PLANTS OR HEAD TYPES.	50/5,000	51/5,000	26/2,500
951079-2E31	MEDIUM-T ALL	AWNLETED	LESS THAN 0.04% TALLER PLANTS, LESS THAN 0.05% AWNED	3/5,000	4/5,000	2/2,500
9700	MEDIUM-S HORT	APICALLY AWNLET	UP TO 1% VARIANT PLANTS, 90% OF VARIANTS WERE TALLER AWNED AND 10% OF VARIANTS WERE AWNLESS.	50/5,000	51/5,000	26/2,500
AGS 2000	37-38	AWNED	3/10,000 TALL LATE GREEN TYPES, 3/10,000 AWNLESS BLUE TYPES AND 7/10,000 SHORT AWNLESS GREEN TYPES.	8/5,000	11/5,000	7/2,500
AGS 2020	MEDIUM	AWNED	EFFORTS TO MAINTAIN PURE SEED ARE BEING TAKEN, HOWEVER VARIANTS MAY PERSIST FOR HEIGHT AND HEAD TYPE, SUCH AS AWNLESS AND BRONZE SPIKES	0/5,000	1/5,000	1/2,500
AGS 2026	MEDIUM	AWNLESS	EFFORTS TO MAINTAIN PURE SEED ARE BEING TAKEN, HOWEVER VARIANTS MAY PERSIST FOR HEIGHT AND HEAD TYPE, WHICH CONSISTS OF BEARDED HEADS, BLUE-GREEN PLANTS AND TALLER HEADS.	0/5,000	1/5,000	1/2,500
AGS 2031	SHORT	AWNLESS	LESS THAN 0.04% TALLER PLANTS, LESS THAN 1 PER 17,000 AWNED	2/5,000	3/5,000	2/2,500
AGS 2035	MEDIUM TALL	AWNED	1 AWNLETED PER 2,500 AND 1 TALLER HEAD PER 10,000	2/5,000	3/5,000	2/2,500
AGS 2055	34	AWNED	1/1,000 AWNLESS, 1/1,000 TALL	5/5,000	6/5,000	4/2,500

VARIETY	HEIGHT	AWNEDNESS	BREEDER'S VARIANCES	Foundation	Registered	Certified
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2020 WHEAT BREEDER DESCRIPTIONS

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VARIETY	HEIGHT	AWNEDNESS	BREEDER'S VARIANCES	Foundation	Registered	Certified
AGS 2060	MID-TALL (38.5)	AWNED	UP TO 0.06% AWNLESS.	3/5,000	4/5,000	2/2,500
AGS 2485	MEDIUM	AWNED	2/10,000 EARLY-AWNED TYPES AND 2/10,000 TALLER TYPES.	2/5,000	4/5,000	6/2,500
AGS CL7	37	AWNED	[CALL OFFICE]	0/5,000	1/5,000	1/2,500
AR 839				n/a	n/a	n/a
AR 910-9-1				n/a	n/a	n/a
AR09137UC-17-2	MEDIUM	AWNED	1/1000 TALL, 1/10,000 AWNLESS	5/5,000	6/5,000	4/2,500
ARCADIA	SHORT (34.5)	AWNED	UP TO 1% VARIANT PLANTS (OF THAT 1%, 95% ARE TALLER BY 3 TO 6 INCHES, AND 5% AWNLETTED)	50/5,000	51/5,000	26/2,500
ARMOR 3015	36.5	AWNED	UP TO 1% VARIANT PLANTS.	50/5,000	51/5,000	26/2,500
BALDWIN	40.5	AWNED	VARIANTS INCLUDE UP TO 1 PER 10,000 TALLER HEADS AND 1APICALLY AWNLETED HEAD PER 10,000 HEADS.	1/10,000	1/5,000	1/2,500
BERETTA	MEDIUM-S HORT	AWNLETTED	UPTO 1% PLANTS THAT ARE TALLER, SHORTER, OR AWNED.	50/5,000	51/5,000	26/2,500
BESS	37	AWNLETTED	LESS THAN 1% VARIANTS HAVE A LAX HEAD WITH TIP AWNS, WERE TALL AND AWNLETTED WITH GREEN HEADS, WERE BLUE-GREEN AND AWNLETTED, OR WERE SHORT AND AWNED.	50/5,000	51/5,000	26/2,500
BRANSON	MEDIUM	AWNLETTED	APPROXIMATELY 0.72% OF ROGUED VARIANT PLANTS WERE TALLER, AND 0.08% WERE AWNED.	40/5,000	41/5,000	21/2,500
BUCK HARVEST			(CALL OFFICE)	50/5000	51/5000	26/2500
CALDWELL				n/a	n/a	n/a
CARDINAL				n/a	n/a	n/a
CHARTER	SHORT	AWNED	1% PLANTS THAT ARE TALLER OR BRONZE.	50/5,000	51/5,000	26/2,500
CLARK				n/a	n/a	n/a
COKER 9152	40	AWNED	1% PLANTS THAT ARE TALLER, UNAWNED, BRONZE OR LATER IN MATURITY.	50/5,000	51/5,000	26/2,500
COKER 9184				50/5,000	51/5,000	26/2,500
COKER 9295	34	APICALLY AWNLET	1% PLANTS THAT ARE TALLER, AWNED, BRONZE OR LATER IN MATURITY.	50/5,000	51/5,000	26/2,500
COKER 9312	34	APICALLY AWNLET	1% PLANTS THAT ARE TALLER, AWNED, BRONZE OR LATER IN MATURITY.	50/5,000	51/5,000	26/2,500

VARIETY	HEIGHT	AWNEDNESS	BREEDER'S VARIANCES	Foundation	Registered	Certified
MAXIMUM OTHER VARIETIES INCLUDES CIRCULAR 15 STANDARD AMOUNTS, PLUS BREEDER VARIANCES, ABOVE:						

2020 WHEAT BREEDER DESCRIPTIONS

**MAXIMUM OTHER VARIETIES INCLUDES
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VARIETY	HEIGHT	AWNEDNESS	BREEDER'S VARIANCES	Foundation	Registered	Certified
COKER 9375	37	APICALLY AWNLET	1% PLANTS THAT ARE TALLER, AWNED, BRONZE OR LATER IN MATURITY.	50/5,000	51/5,000	26/2,500
COKER 9436	32.7	APICALLY AWNLET	VARIANTS MAY INCLUDE ONE OR MORE OF THE FOLLOWING IN ANY COMBINATION; TALLER, AWNED, BRONZE OR LATER TYPE, WHICH MAY BE EXPRESSED UP TO 1%.	50/5,000	51/5,000	26/2,500
COKER 9474	34	AWNTIPPED TO AV	1% VARIANCE IN HEIGHT, MATURITY, AWNEDNESS, PLANT TYPE, AND HEAD COLOR.	50/5,000	51/5,000	26/2,500
COKER 9511	37	APICALLY AWNLET	1% PLANTS THAT ARE TALLER, AWNED, BRONZE OR LATER IN MATURITY.	50/5,000	51/5,000	26/2,500
COKER 9543	34	AWNLETTED	1% VARIANCE IN HEIGHT, MATURITY, AWNEDNESS, PLANT TYPE, AND HEAD COLOR.	50/5,000	51/5,000	26/2,500
COKER 9553	MEDIUM HEIGHT	AWNED	0.72% PLANTS THAT ARE TALLER, 0.04% AWNED, 0.04% AWNLETTED	40/5,000	41/5,000	21/2,500
COKER 9663	39	AWNLETTED	1% PLANTS THAT ARE TALL, AWNED, OR LATER IN MATURITY.	50/5,000	51/5,000	26/2,500
COKER 9704				50/5,000	51/5,000	26/2,500
COKER 9803				n/a	n/a	n/a
COKER 9804	MEDIUM	AWNED	UP TO 1% VARIANT PLANTS, 90% OF VARIANTS WERE TALLER AWNED AND 10% OF VARIANTS WERE AWNLESS.	50/5,000	51/5,000	26/2,500
COOPER	MEDIUM HEIGHT	APICALLY AWNLET	1% PLANTS THAT ARE TALLER OR AWNED.	50/5,000	51/5,000	26/2,500
D006874-9				0/5,000	1/5,000	1/2,500
DELTA GROW 1800	34	AWNED	1/1,000 AWNLESS AND 1/1,000 TALL	5/5,000	6/5,000	4/2,500
DK 9318	MEDIUM HEIGHT	AWNED	1 BRONZE HEAD PER 50,000 HEADS, 1 TALL PER 24,500 HEADS, 1 AWNLESS HEAD PER 8,000 HEADS, 1 TALL AWNLESS HEAD PER 12,000 HEADS.	1/5,000	2/5,000	3/2,500
DYNA-GRO 9811	35.5	AWNED	0.25% TALLER AND 0.3% PURPLE STEM	15/5,000	16/5,000	9/2,500
ERNIE	34	APICALLY AWNLET	NONE	0/5,000	1/5,000	1/2,500
FFR 525W				n/a	n/a	n/a
FREEDOM				n/a	n/a	n/a
GA 001138-8E36	MEDIUM TALL	UNKNOWN	UP TO 0.01% TALLER PLANTS, 0.05% AWNLETED HEADS, AND 0.01% LATE PLANTS.	2/5,000	3/5,000	2/2,500
GA04434-11E44	MEDIUM (32-33)	UNKNOWN	UNKNOWN	1/5,000	2/5,000	2/2,500
GA14E19	MEDIUM	AWNED	UNKNOWN	1/5,000	2/5,000	2/2,500
VARIETY	HEIGHT	AWNEDNESS	BREEDER'S VARIANCES	Foundation	Registered	Certified
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GA14E53	MEDIUM	AWNLETTED	1/1500 AWNED AND 1/8,000 TALL	4/5,000	5/5,000	5/2,500
HAZEN				n/a	n/a	n/a
HICKORY				n/a	n/a	n/a
HILLIARD	MEDIUM (34)	AWNED	0.08% PLANTS WITH AWNLETTED SPIKES, 0.35% TALLER PLANTS, 0.17% TALLER PLANTS HAVING PURPLE STEM COLOR NEAR MATURITY.	18/5,000	19/5,000	10/2,500
HOPEWELL				UNKNOWN	UNKNOWN	UNKNOWN
JACKPOT	37	AWNED	UP TO 1% TALLER (3 TO 6 INCHES), AWNLETTED, AND/OR WHITE CHAFFED.	50/5,000	51/5,000	26/2,500
JACKSON				n/a	n/a	n/a
JAMESTOWN	SHORT (32)	AWNED	UP TO 1% TALLER, AWNLETTED SPIKES, SPIKES WITH TIP AWNS, AND 0.8% PLANTS HAVING GREEN COLOR.	50/5,000	N/A	26/2,500
KASKASKIA				n/a	n/a	n/a
LA02015	MEDIUM-S HORT	AWNED	[NONE NOTED AS OF 9-18-2014]	0/5,000	1/5,000	1/2,500
LA06146				N/A	N/A	N/A
LA754	35.8	AWNED	BLUE-GREEN WAXY HEADS 1/5,000, TALLER 1/10,000, AWNLESS 1 PER 2,000	3/5,000	4/5,000	5/5,000
MADISON				n/a	n/a	n/a
MAGNOLIA	MEDIUM HEIGHT	AWNED	UP TO 1% VARIANT PLANTS.	50/5,000	51/5,000	26/2,500
MALLARD	33-34	AWNLETTED	0.50% TALLER OR AWNED PLANTS	25/5,000	26/5,000	14/2,500
MASON	35-36	AWNLETTED	UP TO 1% MAINLY TALLER AWNLETTED PLANTS, AWNED PLANTS, AND/OR BRONZE CHAFFED PLANTS	50/5,000	51/5,000	26/2,500
MERL				n/a	N/A	n/a
MILTON				n/a	n/a	n/a
NATCHEZ	40-41	APICALLY AWNLET	UP TO 1% MAINLY TALLER APICALLY AWNLETTED PLANTS AND/OR AWNED PLANTS	50/5,000	51/5,000	26/2,600
OAKES	35	APICALLY AWNLET	UP TO 1% TALLER AND AWNED	50/5,000	51/5,000	26/2,500
OGLETHORPE	MEDIUM-S HORT	APICALLY AWNLET	LESS THAN 1 BEARDED HEAD PER 3000, 1 TALL BEARDED PER 10,000, AND 1 TALLER HEAD PER 4000.	1/5,000	2/5,000	3/2,500
PANOLA	MEDIUM HEIGHT	AWNED	0.80% PLANTS THAT ARE TALLER OR AWNLETTED	40/5,000	41/5,000	21/2,500

VARIETY	HEIGHT	AWNEDNESS	BREEDER'S VARIANCES	Foundation	Registered	Certified
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VARIETY	HEIGHT	AWNEDNESS	BREEDER'S VARIANCES	Foundation	Registered	Certified
PAT	36	AWNED	UP TO 1% PLANTS THAT ARE TALLER OR AWNLESS	50/5,000	N/A	26/2,500
PATTON	MEDIUM	AWNLETTED	UP TO 1% TALLER PLANTS, GREEN PLANT COLOR AT BOOT STAGE, AND AWNED PLANTS	50/5,000	51/5,000	26/2,500
ROANE	34.5	AWNLETTED	UP TO 1% EARLIER HEADING & TALLER PLANTS, 0.20% FULLY AWNED PLANTS.	60/5,000	N/A	32/2,500
SABBE	37	AWNLESS	0.10% AWNED OR 0.10% TALLER PLANTS	5/5,000	N/A	4/2,500
SALUDA				n/a	n/a	n/a
SAVAGE	MEDIUM SHORT	APICALLY AWNLET	1% PLANTS THAT ARE TALLER OR AWNED.	50/5,000	51/5,000	26/2,500
SAVOY	MEDIUM	APICALLY AWNLET	1 AWNED TALL PER 800 HEADS, 1 AWNLESS TALL PER 1200 HEADS, 1 AWNED PER 400 HEADS	13/5,000	14/5,000	8/2,500
SHELBY	MEDIUM	AWNED	UP TO 1% VARIANT PLANTS.	50/5,000	51/5,000	26/2,500
SHILOH	MEDIUM	AWNLETTED	UP TO 1% VARIANT PLANTS.	50/5,000	51/5,000	26/2,500
SY 007	MEDIUM (36.7)	AWNED	UP TO 1% VARIANT PLANTS (95% OF VARIANTS ARE TALLER AND 0.2% OF VARIANTS ARE AWNLESS).	50/5,000	51/5,000	26/2,500
SY COLLINS	40	AWNED	0.06 % PLANTS ROGUED FROM BREEDER IN 2017. 88 % WERE TALLER (> 7.6 cm taller) AND 12 % WERE AWNLESS. UP TO 1% VARIANT PLANTS MAY BE ENCOUNTERED IN SUBSEQUENT GENERATIONS.	50/5,000	51/5,000	26/2,500
SY CYPRESS	MEDIUM-SHORT	AWNED	UP TO 1% VARIANT PLANTS.	50/5,000	51/5,000	26/2,500
SY HARRISON	MEDIUM	AWNED	UP TO 1% VARIANT PLANTS (95% OF ROGUED VARIANTS TALLER 8 TO 15 CM AND 5% AWNLESS).	50/5,000	51/5,000	26/2,500
SY MISKIN	40	AWNED	UP TO 1% VARIANT PLANTS (99.8% TALLER >3 INCHES AND 0.2% AWNLESS)	50/5,000	51/5,000	26/2,500
SY VIPER	MEDIUM-TALL	AWNLETTED	UP TO 1% VARIANT PLANTS (88% TALLER > 3 INCHES, AND 12% AWNED).	50/5,000	51/5,000	26/2,500
TAMsoft 700	SHORT	AWNLESS	1 BEARDED PER 10,000 AND 1 TALLER PER 10,000	1/10,000	3/10,000	9/10,000
TERRAL TV8555				25/5,000	26/5,000	14/2,500
TRUMAN				UNKNOWN	N/A	UNKNOWN
TV8861	35.8	AWNED	NONE NOTED	0/5,000	1/5,000	2/5,000
USG 3201	36-37	AWNED	USG 3201 HAS SHOWN NO VARIANTS OTHER THAN WHAT WOULD NORMALLY BE EXPECTED DUE TO ENVIRONMENT.	0/5,000	1/5,000	1/2,500

VARIETY	HEIGHT	AWNEDNESS	BREEDER'S VARIANCES	Foundation	Registered	Certified
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2020 WHEAT BREEDER DESCRIPTIONS

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VARIETY	HEIGHT	AWNEDNESS	BREEDER'S VARIANCES	Foundation	Registered	Certified
USG 3209	SHORT	SHORT TIP-AWNEE	UP TO 0.1% DENSE SPIKE SHAPED HEADS, 0.4% TALLER PLANTS, AND 0.5% SHORTER OR LONGER AWNS.	25/5,000	N/A	14/2,500
USG 3251	37-38	AWNED	USG 3201 HAS SHOWN NO VARIANTS OTHER THAN WHAT WOULD NORMALLY BE EXPECTED DUE TO ENVIRONMENT.	0/5,000	1/5,000	1/2,500
USG 3555	SHORT	AWNLETTED	AS MUCH AS 0.5% TALLER (UP TO 18 INCHES), 0.01% WITH BRONZE COLORED GLUMES AND 0.01% FULLY-AWNED SPIKES.	25/5,000	26/5,000	14/2,500
VERNE				n/a	n/a	n/a
W1104				UNKNOWN	UNKNOWN	UNKNOWN
W1377	MEDIUM TALL	AWNLESS	UP TO 1% VARIANT PLANTS, 90% OF VARIANTS WERE TALLER AWNEED AND 10% OF VARIANTS WERE AWNEED.	50/5,000	51/5,000	26/2,500
WAKEFIELD				n/a	N/A	n/a

LEGEND

AWNLESS = SPIKELET WITHOUT AWNS

AWNTIPPED = AWNS AT THE TIPS OF THE SPIKELET

AWNLETTED (OR APICALLY AWNEED) = AWNS AT THE TOP 1/3 OF THE SPIKLET

AWNED = SPIKLETS HAVE FULL AWNS

VARIETY	HEIGHT	AWNEDNESS	BREEDER'S VARIANCES	Foundation	Registered	Certified
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2020 SOYBEANS BREEDER DESCRIPTIONS

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VARIETY	Group	PUB	Pod CLR	HIL	FL	HEIGHT	BREEDER'S VARIANCES	Foundation	Registered	Certified
9584								n/a	n/a	n/a
9594								n/a	n/a	n/a
95B33								n/a	n/a	n/a
9631								n/a	n/a	n/a
9692								n/a	n/a	n/a
97B61								n/a	n/a	n/a
97B62								n/a	n/a	n/a
ACCOMAC	V	T	T	BL	P	33	0.50% Variants for Hilum Color and Pubescence.	26/5,000	N/A	21/3,600
ANAND	V	T	T	BL	P	28	1% variants in flower and pubescence color and in hila color.	51/5,000	37/3,600	39/3,600
BOLIVAR	V	T	T	BL	P	50	0.05% Variants with Gray Pubescence	4/5,000	3/3,600	5/3,600
CAVINESS	V	G	T	BU	W	34	1% Variants for Imperfect Black Hila, Black Hila, Purple Flowers & Tawny Pubescence.	51/5,000	N/A	39/3,600
CROWLEY								n/a	n/a	n/a
DELLOY 5500	V	T	T	BRN	W	30	None Noted	1/5,000	1/3,600	3/3,600
DELLOY 5710	V	T	T	BL	W	30	None Noted	1/5,000	1/3,600	3/3,600
DILLON								n/a	n/a	n/a
G00-3209	VII	T	T	BL	W		[CONTACT OFFICE]	1/5,000	1/3,600	3/3,600
GLENN	V	T	T		W	27.6	[CONTACT OFFICE]	1/5,000	1/3,600	3/3,600
HUTCHESON	5	G	T	BU	W	31	1% Variants for Flower color and somewhat darker than average Hilum.	51/5,000	37/3,600	39/3,600

VARIETY	Group	PUB	Pod CLR	HIL	FL	HEIGHT	BREEDER'S VARIANCES	Foundation	Registered	Certified
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VARIETY	Group	PUB	Pod CLR	HIL	FL	HEIGHT	BREEDER'S VARIANCES	Foundation	Registered	Certified
JAKE	MID-5	T	T	BL	P	32	None Noted	1/5,000	1/3,600	3/3,600
KIRKSEY	V	G	T	BU	W	28	1% variants for off-types, including flower color, pubescence color, hilum color, and plant height.	51/5,000	N/A	39/3,600
MANOKIN	IV	T	T	BL	W	21	0.25% Variants for Hilum, Flower, Pubescence color, or Peroxidase Reaction.	14/5,000	10/3,600	12/3,600
MO4901D GT	4.9	T	T	BLK	W	31	None Noted	1/5,000	N/A	3/3,600
OSAGE	5.6	G	T	IMP	P	29.5	1% Variants may occur for flower color, pubescence color, hilum color, or plant height.	51/5,000	N/A	39/3,600
OZARK	V	G	T	BU	P	32	1% Variants for Flower Color, Pubescence Color, Hilum Color, and Plant Height.	51/5,000	N/A	39/3,600
R04-1250								n/a	n/a	n/a
R07-2000	5.5	G	T	GRY	P	30	Approximately 1% of seeds or plants may appear to be off-types. Off-types may occur for flower color, pubescence color, hilum color, and plant height.	51/5,000	N/A	39/3,600
R07-2001	5.6	G	B	BU	P	32	Approximately 1% of seeds or plants may appear to be off-types. Off-types may occur for flower color, pubescence color, hilum color, and plant height.	51/5,000	N/A	39/3,600
R07-589	4.9	T	B	BRN	W	30	Approximately 1% of seeds or plants may appear to be off-types. Off-types may occur for flower color, pubescence color, hilum color, and plant height.	51/5,000	N/A	39/3,600
R08-4004	5.6	G	B	Y	W	29	Approximately 1% of seeds or plants may appear to be off types. Off types may occur for flower color, pubescence color, hilum color, maturity and plant height.	51/5,000	N/A	39/3,600
R09-1589	5.1	T	T	BL	P	31	Approximately 1% of seeds or plants may appear to be off-types. Off-types may occur for flower color, pubescence color, hilum color, and plant height.	51/5,000	N/A	39/3,600
R10-28	5	G	T	BU	P	30	Approximately 1% of seeds or plants may appear to be off-types. Off-types may occur for flower color, pubescence color, hilum color, and plant height.	51/5,000	N/A	39/3,600
R11-328								N/A	N/A	N/A
R11-7999	5.7	T	T	BL	P	35	Approximately 1% of seeds or plants may appear to be off-types. Off-types may occur for flower color, pubescence color, hilum color, and plant height.	51/5,000	N/A	39/3,600

VARIETY	Group	PUB	Pod CLR	HIL	FL	HEIGHT	BREEDER'S VARIANCES	Foundation	Registered	Certified
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VARIETY	Group	PUB	Pod CLR	HIL	FL	HEIGHT	BREEDER'S VARIANCES	Foundation	Registered	Certified
R12-226								N/A	N/A	N/A
R12-712								N/A	N/A	N/A
R13-1019	4.9	G	T	IMP	P	37	Approximately 1% of seeds or plants may appear to be off-types. Off-types may occur for flower color, pubescence color, hilum color, and plant height.	51/5,000	N/A	39/3,600
R13-13433								N/A	N/A	N/A
R13-14635								n/a	n/a	n/a
R13-5029	5.6	G	T	Y	W	30	Approximately 1% of seeds or plants may appear to be off-types. Off-types may occur for flower color, pubescence color, hilum color, and plant height.	51/5,000	N/A	39/3,600
R13-5174	5.8	G	T	GRY	P	30	Approximately 1% of seeds or plants may appear to be off-types. Off-types may occur for flower color, pubescence color, hilum color, and plant height.	51/5,000	N/A	39/3,600
R14-6450								N/A	N/A	N/A
R15-2422								n/a	n/a	n/a
R16-253								n/a	n/a	n/a
R16-259								n/a	n/a	n/a
R95-1705	V	G	T	BU	W	31	1% Variants for Flower Color, Pubescence Color, Hilum Color, and Plant Height.	51/5,000	37/3,600	39/3,600
RHODES	V	T	T	GRY	W	31	0.50% Variants for Black Hilum or other Variants in the seed.	26/5,000	19/3,600	21/3,600
RM-21464	5.7	G	T	BU	W	31	Approximately 1% of seeds or plants may appear to be off-types. Off-types may occur for flower color, pubescence color, hilum color, and plant height.	51/5,000	N/A	39/3,600
S14-15138GT	4.8	T	T	BL	W	35	None Noted	N/A	N/A	N/A
STODDARD	IV	T	T	BL	W	18	None Noted. Similar to Manokin in maturity, and similar to Anand in height, lodging, and seed characteristics.	1/5,000	1/3,600	3/3,600

VARIETY	Group	PUB	Pod CLR	HIL	FL	HEIGHT	BREEDER'S VARIANCES	Foundation	Registered	Certified
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STONEWALL	VII	T	T	BL	W	--	None Noted	1/5,000	1/3,600	3/3,600
TARA	V	T	B	BL	W	60-72	None Noted	1/5,000	1/3,600	3/3,600
TS-1								n/a	n/a	n/a
TS-5								n/a	n/a	n/a
TYRONE	7	G	B	BU	W	70	1% variants may occur for hilum color, flower color, pubescence color, and plant height.	51/5,000	37/3,600	39/3,600
UA 4805	IV	G	T	BU	P	30	0.50% variants for flower, pubescence, hilum, and height.	26/5,000	N/A	21/3,600
UA 4814C	IV	T	T	BL	P	39	Approximately 1% of seeds or plants may appear to be off types. Off types may occur for flower color, pubescence color, hilum color, and plant height	51/5,000	N/A	39/3,600
UA 4910	IV	T	T	BL	W	32	1% Variants for off-type hilum color and other types.	51/5,000	37/3,600	39/3,600
UA 5014C	5	T	T	BL	P	27.2	Approximately 1% of seeds or plants may appear to be off types. Off types may occur for flower color, pubescence color, hilum color, and plant height	51/5,000	N/A	39/3,600
UA 5115C	5.1	G	T	IMP	P	29	Approximately 1% of seeds or plants may appear to be off types, which may occur for flower color, pubescence color, hilum color, and plant height.	51/5,000	N/A	39/3,600
UA 5213C	EARLY 5	G	T	IMP	P	29	1% variants for off-types, including flower color, pubescence color, hilum color, and plant height	51/5,000	36/3,600	39/3,600
UA 5414RR	5.4	G	T	BU	W	34	Approximately 1% of seeds or plants may appear to be off-types, for flower color, pubescence, hilum, and plant height.	51/5,000	N/A	39/3,600
UA 5612	5.6	G	T	IMP	P	31	1% variants for off-types, including flower color, pubescence color, hilum color, and plant height.	51/5,000	N/A	39/3,600
UA 5615C	5.6	G	T	BU	W	32	Approximately 1% of seeds or plants may appear to be off types, which may include flower color, pubescence color, hilum color and plant height.	51/5,000	N/A	39/3,600
UA 5715GT	5.8	G	T	BU	W	32	Approximately 1% of seeds or plants may appear to be off types, for flower color, pubescence color, hilum color, and plant height.	51/5,000	N/A	39/3,600
UA 5814HP	Lt V	T	T	BRN	P	33	1% variants for off-types, including flower color, pubescence color, hilum color, and plant height.	51/5,000	N/A	39/3,600

VARIETY	Group	PUB	Pod CLR	HIL	FL	HEIGHT	BREEDER'S VARIANCES	Foundation	Registered	Certified
								MAXIMUM OTHER VARIETIES INCLUDES CIRCULAR 15 STANDARD AMOUNTS, PLUS BREEDER VARIANCES, ABOVE:		

2020 SOYBEANS BREEDER DESCRIPTIONS

MAXIMUM OTHER VARIETIES INCLUDES CIRCULAR 15 STANDARD AMOUNTS, PLUS BREEDER VARIANCES, BELOW:

VARIETY	Group	PUB	Pod CLR	HIL	FL	HEIGHT	BREEDER'S VARIANCES	Foundation	Registered	Certified
UA MULBERRY	5.6	T	T	BL	P	32	1% variants for off-types, including flower color, pubescence color, hilum color, and plant height.	51/5,000	N/A	39/3,600
UARK-1258								1/5,000	1/3,600	3/3,600
UARK-288							[CONTACT OFFICE]	51/5,000	N/A	39/3,600
UARK-5798	V	T	T	BL	W	36	1% Variants for Buff Hila, Imperfect Black Hila, Purple Flowers & Gray Pubescence.	51/5,000	37/3,600	39/3,600
UARK-5896	V	T	T	BRN	P	36	0.50% Variants for Flower, Pubescence, Pod Wall, and Hilum Color.	26/5,000	19/3,600	21/3,600
YOUNG	VI	G	T	BU	W	36	1/5,000 plants with a different Pubescence and Flower color.	2/5,000	1/3,600	3/3,600

LEGEND

GROUP = MATURITY GROUP

PUB = PUBESCENCE

POD CLR = POD COLOR

HIL = HILUM

FL = FLOWER COLOR

HEIGHT = PLANT HEIGHT AT MATURITY

BREEDER'S VARIANCES = ORIGINAL BREEDER VARIANCES FOR THIS VARIETY

PUBESCENCE COLOR: G = GRAY , T = TAWNY

POD COLOR: B = BROWN , T = TAN

HILUM COLOR: BL = BLACK, BRN = BROWN, BU = BUFF, GRY = GRAY, IMP = IMPERFECT BLACK, Y = YELLOW

FLOWER COLOR: P = PURPLE, W = WHITE



VARIETY	Group	PUB	Pod CLR	HIL	FL	HEIGHT	BREEDER'S VARIANCES	Foundation	Registered	Certified
								MAXIMUM OTHER VARIETIES INCLUDES CIRCULAR 15 STANDARD AMOUNTS, PLUS BREEDER VARIANCES, ABOVE:		

REPORT OF INSPECTION FOR SEED PROCESSING PLANTS

It is the applicant's responsibility to make sure that all seeders, drills, wagons, trucks, harvesters, cleaners, bins, etc. are thoroughly cleaned of other seeds. Inspectors will conduct an annual inspection of each applicant's conditioning plant where their certified seed is stored and conditioned. (use Form 27: Certified Annual Processing Plant Inspection Form). If conditioning facilities request an inspection of their plant, have the Seed Section staff create a separate form.

COMPLETING THE CERTIFIED ANNUAL PROCESSING PLANT INSPECTION REPORT (FORM 27):

1. Seed Grower's Name and Address: Enter the complete name and address of the grower and the name of the operator in charge of seed processing.
2. Condition of Inspection Points: Indicate if equipment is adequate for handling, cleaning and storage of certified seed according to the requirements listed in Circular 15 Section L. List any comments about inspection.
3. Conduct a "spot check" of records such as conditioning logs and other records to ensure procedures are in place to account for incoming and final disposition of seed.
4. Inspector's Name and Date: Enter your full name and date of inspection.
5. Operator in Charge's Signature & Date: Have Operator in Charge sign and date, or, just type in their name and e-mail them a copy of the electronic version of this document.
6. Make copy for operator & return original to certification office.

 Asa Hutchinson Governor	ARKANSAS DEPARTMENT OF AGRICULTURE 1 Natural Resources Drive, Little Rock, AR 72205 agriculture.arkansas.gov (501) 225-1598	 Wes Ward Secretary of Agriculture
CERTIFIED GROWER YEARLY SEED PROCESSING PLANT INSPECTION REPORT <small>(Rev. 09/2020)</small>		
SEED GROWER'S NAME: STUTTGART SEED COMPANY, INC. PHILIP MARTIN		
ADDRESS: PO BOX 916 609 EAST SUPERIOR STUTTGART, AR 72160		
OPERATOR: PAT MAYFIELD		
Inspector: Please change this name if the listed person is no longer the person responsible for certified seed processing. Only this operator may sign the bottom of this form.		
Circular 15 Section L; Subsection 1 states:		
The following requirements must be met by processors of all classes of certified seed:		
(a) Facilities shall be available to perform processing without introducing admixtures. (b) Identity of the seed must be maintained at all times. (c) Records of all operations relating to certification shall be complete and adequate to account for all incoming seed and final disposition of seed. (d) Processors shall permit inspection by the certifying agency of all records pertaining to all classes of certified seed. (e) Processors shall designate an individual who shall be responsible to the certifying agency for performing such duties as may be required by the certifying agency.		
INDICATE THE CONDITION OF THE FOLLOWING POINTS AT THE TIME OF INSPECTION		
DUMP OR UNLOADING AREA: ACCEPTABLE _____ OTHER (SPECIFY) _____		
BOOT, ELEVATOR OR AUGERS: ACCEPTABLE _____ OTHER (SPECIFY) _____		
STORAGE OR HOLDING BINS: ACCEPTABLE _____ OTHER (SPECIFY) _____		
PROCESSING MACHINERY: ACCEPTABLE _____ OTHER (SPECIFY) _____		
OTHER SEED CONVEYORS: ACCEPTABLE _____ OTHER (SPECIFY) _____		
COMMENTS: _____ _____ _____		
INSPECTED BY: _____		DATE: _____
Inspector: Please Leave a copy with the operator; Return original to the Seed Certification Office.		
The applicant for certification shall be responsible for maintaining genetic purity and identity at all stages of certification, including seeding, harvesting, storage, processing and labeling of the seed. Failure of the applicant to maintain genetic purity and identity at any stage of certification shall be cause for rejection of the crop for certification.		
By signing this form you indicate that your facility can process seed in accordance with the Regulations in Circular 15.		
OPERATOR: _____		DATE: _____
THIS SIGNATURE MUST MATCH THE OPERATOR NAME LISTED ABOVE.		



Asa Hutchinson
Governor

ARKANSAS DEPARTMENT OF AGRICULTURE

1 Natural Resources Drive, Little Rock, AR 72205
agriculture.arkansas.gov
(501) 225-1598



Wes Ward
Secretary of Agriculture

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OPERATOR: PAT MAYFIELD

Inspector: Please change this name if the listed person is no longer the person responsible for certified seed processing. Only this operator may sign the bottom of this form.

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- (c) Records of all operations relating to certification shall be complete and adequate to account for all incoming seed and final disposition of seed.
- (d) Processors shall permit inspection by the certifying agency of all records pertaining to all classes of certified seed.
- (e) Processors shall designate an individual who shall be responsible to the certifying agency for performing such duties as may be required by the certifying agency.

INDICATE THE CONDITION OF THE FOLLOWING POINTS AT THE TIME OF INSPECTION

DUMP OR UNLOADING AREA: ACCEPTABLE _____ OTHER (SPECIFY) _____

BOOT, ELEVATOR OR AUGERS: ACCEPTABLE _____ OTHER (SPECIFY) _____

STORAGE OR HOLDING BINS: ACCEPTABLE _____ OTHER (SPECIFY) _____

PROCESSING MACHINERY: ACCEPTABLE _____ OTHER (SPECIFY) _____

OTHER SEED CONVEYORS: ACCEPTABLE _____ OTHER (SPECIFY) _____

COMMENTS: _____

INSPECTED BY: _____ **DATE:** _____

Inspector: Please Leave a copy with the operator; Return original to the Seed Certification Office.

The applicant for certification shall be responsible for maintaining genetic purity and identity at all stages of certification, including seeding, harvesting, storage, processing and labeling of the seed. Failure of the applicant to maintain genetic purity and identity at any stage of certification shall be cause for rejection of the crop for certification.

By signing this form you indicate that your facility can process seed in accordance with the Regulations in Circular 15.

OPERATOR: _____ **DATE:** _____

THIS SIGNATURE MUST MATCH THE OPERATOR NAME LISTED ABOVE.

USE OF BULK TRANSFERS IN CERTIFICATION

PURPOSE:

Bulk Transfer forms are used in the certification process to transfer ownership of seed in the certification program from one certified grower / dealer to another. The original intent was for unconditioned seed to be transferred, although this process can be used on cleaned seed. The certified grower / dealer who receives the seed is responsible for completing the certification process on the seed. This includes having an inspector send in a sample for complete analysis.

FORMS:

[Form 24 \(Intrastate -within AR-\) Bulk Seed Transfer](#)
[Form 24 A \(Interstate -between states-\) Bulk Seed Transfer](#)

PROCESS:

Seller

1. The Bulk Transfer document (Form 24) must accompany the shipment of seed.
2. The seller completes the top portion of the form. This lists the name & address of the original producer, the seller (if different) and the buyer, as well as a description of the kind, variety, grade applied for, lot #, number of bushels in the shipment and date.
3. The seller makes a copy of the document and immediately faxes or sends to the Plant Board. **(This documentation is for the protection of the seller and shows no tonnage fees are due from the seller of this seed.)**



NOTE: Buyer must complete Certification for Seller to maintain Priority Status for Foundation Seed.

Buyer

1. The buyer completes the lower portion of the form that came with the shipment. This lists the date the shipment is received, the number of bushels, the transfer of authority for issuance of certification labels, and the buyer's signature/date.
2. The buyer immediately sends the completed form to the Arkansas Department of Agriculture's Seed Section.
3. The buyer is responsible for completion of certification which includes a complete analysis and bagging/labeling in compliance with certification regulations. The original producer's certification number (C-number) must be used on the label.
4. **If the buyer decides not to complete the certification process and sells the seed as non-certified (if eligible), then he is responsible for complying with regulations regarding an AR Seed Dealer's license and payment of tonnage fees, as well as all labeling requirements.**

INTRASTATE (WITHIN THE STATE) DOCUMENT FOR BULK SEED TRANSFER OF CERTIFICATION RESPONSIBILITIES

This form is used when an individual certified grower or a seed company wishes to transfer ownership of the certified seed to another certified grower or company for the completion of the certification process. Form 24 is completed by the current owner of the seed and submitted to the Certification Section. This allows seed to be traced back to the original owner or grower even if the seed has been sold and resold numerous times. The name of the original owner of the seed is always filled in at the top of the form.



	ARKANSAS DEPARTMENT OF AGRICULTURE 1 Natural Resources Drive, Little Rock, AR 72205 agriculture.arkansas.gov (501) 225-1598															
Asa Hutchinson Governor		Wes Ward Secretary of Agriculture														
BULK TRANSFER OF SEED PENDING CERTIFICATION																
Use this document to transfer seed certification responsibilities from one Arkansas Certified Seed Grower to another. SEED APPLICANT or SELLER, complete sections 1, 2, 3, and 4. BUYER, complete section 5. This document must accompany the shipment of seed. Send to: Regulatorseed@agriculture.arkansas.gov																
1	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">SEED DESCRIPTION</td> <td style="width: 20%;">KIND</td> <td style="width: 20%;">YEAR HARVESTED</td> <td style="width: 40%;"></td> </tr> <tr> <td></td> <td>VARIETY</td> <td>BUSHEL'S SHIPPED</td> <td></td> </tr> <tr> <td></td> <td>LOT / BIN #</td> <td colspan="2" rowspan="2" style="text-align: center;">TYPE OF SEED CONTAINER: True Bulk Work Bags</td> </tr> <tr> <td></td> <td>CLASS</td> </tr> </table>	SEED DESCRIPTION	KIND	YEAR HARVESTED			VARIETY	BUSHEL'S SHIPPED			LOT / BIN #	TYPE OF SEED CONTAINER: True Bulk Work Bags			CLASS	
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A complete analysis must be performed on a sample of the seed after it has been transferred before tags/labels can be issued. The Buyer of the seed is responsible for filing a Final Disposition Form at the end of the season to account for this seed. If the seed purchased on a bulk transfer is PVP Title V Protected, the certification process must be completed if the seed is sold for planting purposes.

**** NOTE:** It is especially important to list whose name is to be printed on the label/tag. No labels/tags will be printed without this completed form on file in the certification office.

INTERSTATE (OUTSIDE THE STATE) DOCUMENT FOR BULK SEED TRANSFER OF CERTIFICATION RESPONSIBILITIES

This FORM is used by the Arkansas certified grower or seed company to transfer ownership of seed in the AR Certification Program into another state and retain the certification status. The form is completed by the Arkansas seedsman and sent along with other pertinent information to the receiving state's certifying agency, and one copy is sent to the Arkansas Department of Agriculture's Seed Certification Section prior to shipment.

 Asa Hutchinson Governor	ARKANSAS DEPARTMENT OF AGRICULTURE 1 Natural Resources Drive, Little Rock, AR 72205 agriculture.arkansas.gov (501) 225-1598	 Wes Ward Secretary of Agriculture	
INTERSTATE BULK TRANSFER OF SEED PENDING CERTIFICATION Use this document to <u>transfer</u> seed certification responsibilities <u>to another company in another state</u> . This document must accompany the shipment of seed.			
SEED DESCRIPTION	KIND _____ VARIETY _____ LOT / BIN # _____ CLASS _____	YEAR HARVESTED _____ BUSHELS SHIPPED _____ TOTAL BUSHELS IN THIS LOT # _____ NUMBER OF ACRES APPROVED _____	
SEED CONTAINER: True Bulk Work Bags		NUMBER OF TRUCKS: _____	
STAGE OF CONDITIONING: _____			
CERTIFIED SEED APPLICANT	Name _____ Address _____ Phone _____ I hereby declare the seed described on this transfer was produced under my company name as the applicant for certification and the fields were inspected by and met the minimum field requirements for Arkansas certification. DATE OF TRANSFER _____ SIGNATURE _____	Also complete the Name & Address of <u>SELLER</u> below.	
Send a copy to the Seed Certification Office and to the Seller			
SELLER	Name _____ Address _____ Phone _____ (Note: Only certified growers / dealers are eligible to use this form as a method of transferring ownership of certified seed) DATE OF TRANSFER _____ SIGNATURE _____	Also complete Name & Address of <u>BUYER/PROCESSOR</u> below.	
Same as above? Send a copy to the Seed Certification Office and to the Buyer			
BUYER / PROCESSOR	Name _____ Address _____ Phone _____ DATE RECEIVED _____ BUSHELS RECEIVED _____ SIGNATURE _____ BUYER'S NEW LOT NUMBER(S): _____	Complete any missing information, sign, date and return to the Seed Certification office.	
Send a copy to the Seed Certification Authority in both states			
SEED CERTIFICATION AUTHORITY DECLARATION: According to certification records, the above information appears to be (circle one) ACCURATE INACCURATE. Transfer Approved (Y/N): ____ Signature _____ Date _____			

Arkansas Seedsmen who receive shipments on Bulk Transfer forms from other states are responsible for sending a copy of the completed form to the Arkansas Seed Certification Office. The Seed Certification office will request a copy of the other certifying agencies' field inspection report for that lot, so the certification process can be completed. The Arkansas seedsman will also be required to complete a "Final Disposition of Seed" report on all seed received in this manner.

POLICIES & REGULATIONS PRACTICED IN SEED CERTIFICATION

A. POLICY FOR USING PRE-GERMINATION FOR LABELING CERTIFIED SEED

1. The bin sample must be a representative sample taken by the inspector.
2. Inspectors must list the pre-germination lab number on the sample record of each cleaned lot.
3. Cleaned lots must be tested for a complete analysis.
4. Tags/labels will be issued on the pre-germination test date, provided the cleaned lot's purity has met all certification requirements.
5. If the cleaned lot fails to germinate 80%, the seedsman will be notified to stop shipping and labeling on the pre-germination test. The seedsman is not required to pick up the lots already shipped.

B. POLICY FOR TESTING UNCLEANNED SEED FOR CERTIFICATION

1. The sample must be from an established lot. (Individual truck loads are not considered established lots.)
2. The applicant may draw the sample, but the inspector must complete the certified record sheet.

Note: Applicant samples are not considered representative samples and cannot be used for labeling purposes. Applicant samples are for the applicant's use in determining quality of seed for conditioning.

3. The seed lab will only perform the following requested tests on uncleaned seed:
 1. GERMINATION
 2. MOISTURE
 3. VARIETAL PURITY
 4. FLUORESCENCE TEST (OATS)
 5. HYPOCOTYL TEST (SOYBEANS)
 6. COLEOPTILE TEST (WHEAT)
 7. PHENOL TEST (WHEAT)
 8. RED RICE EXAM (RICE)
 9. NOXIOUS WEED EXAM

C. PROCEDURES TO FOLLOW WHEN RE-SAMPLING SEED

1. Only lots which fail to meet their originally designated class may be re-sampled, except lots which contain prohibited noxious weeds (see re-cleaning seed).
2. The original lot may be re-sampled only one time, either just for the item(s) that failed or for a complete analysis. The lot number remains the same.
NOTE: Re-sampling for failure to meet variety standards in a complete analysis must be re-sampled as a purity only (not a varietal purity).
3. If the original lot fails a second time, it must be broken down into sub-lots, with new lot numbers and sampled (one time only) as a complete.
4. If a sub-lot(s) makes grade, the grower may request tags/labels printed with the original lot number, provided that the records clearly state the identity and quantity of the lot.
5. A sub-lot may not be sampled more than once or further broken down.
6. When a lot is resampled or a sub-lot is sampled, the last analysis shall be official.

SPECIAL NOTE FOR RESAMPLING FOR HIGH MOISTURE

When resampling is required because of high moisture, the lot may be resampled as many times as necessary without dividing the lot into sub-lots. However, if more than 30 days have passed since the lot was first sampled, a sample will have to be drawn for a germination test as well. The procedure is the same for each 30-day period until the moisture makes class of Certified seed.

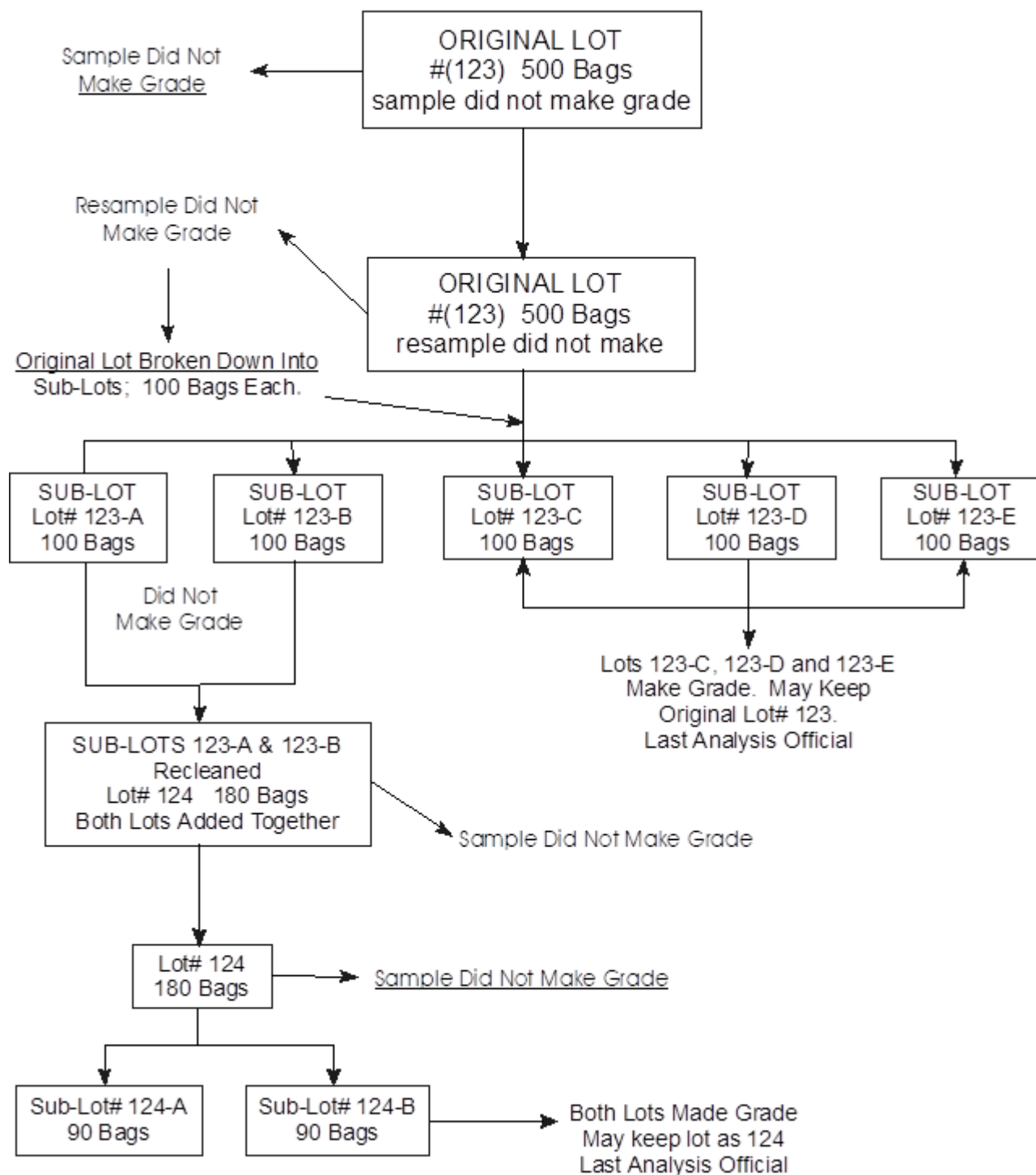
D. RETESTING GERMINATION TO UPDATE DATE OF TEST

1. The grower may have a lot re-sampled to update the date of germination test, after the lot has made a class of certified seed.
2. Updates for date of germination test is limited to 1 per month.
3. When a lot is retested, the results of the last test shall be official.
4. AR Certified CARRYOVER SEED: Sample using certification sample record and indicate seed is carryover. Attach a copy of label to sample record. It is recommended that new labels be printed with new test date. (Other states' certified seed may be sampled for update of test, but seedsman should check with other state's certification agency on rules for updating or reprinting certification labels.)

E. CIRCUMSTANCES CALLING FOR SEED RECLEANING

1. Lots that contain prohibited noxious weeds must be RE-CLEANED, RE-BAGGED IN NEW BAGS and have a new COMPLETE sample drawn and analyzed.
2. A grower has the option to re-clean and re-bag and renumber seed which has made the original designated grade. Example...A blue-tag rice sample makes grade (BT), but the analysis shows "incidental weed seed". If the grower wants to try and have "no weed seed" shown on the label, he may re-clean the rice and have a new COMPLETE sample drawn and analyzed; otherwise, once the seed makes grade, it may not be re-sampled.
3. A grower has the option of re-cleaning their seed at any point. **After re-cleaning, a new complete sample must be drawn and analyzed.**

FLOW CHART FOR RESAMPLING



F. PROCEDURES FOR TESTING TREATED SEED

Any conditioning process for a lot of seed can potentially change the identity of the lot. If a lot is re-cleaned, a new complete analysis is required. By the same token, if a lot is treated, the identity of the lot has been changed and a new complete analysis is required. Any process that could possibly allow a change in the purity or germination of a lot changes the identity of that lot and new analyses are needed.

If a company plans to treat seed that will be in the certification program, the following procedures must be followed:

1. Only a representative sample of cleaned seed, either bulk or bagged can be submitted.
Exception: Soybeans may be sampled from uncleaned seed for Varietal purity.
2. For soybeans and oats, a non-treated preliminary sample must be submitted for one of the following tests: a. varietal purity, b. purity only, c. complete.
3. All other crops, no preliminary sample is required.
4. All treated seed must be sampled for a COMPLETE analysis.
5. When only a portion of a lot is treated, the treated portion should be assigned a new lot number. Example: the treated portion of lot 100 becomes lot 100-T.
6. Only lots that have been bagged will be issued tags/labels.
7. New moisture tests are not required on lots after treatment (with fungicides, etc.) if the lot met the standards for moisture when sampled for complete analysis before treatment.

G. POLICY FOR APPROVAL OF REPLANTING SEED FAILED SEED LABORATORY ANALYSIS LOTS SUBJECT TO REGISTERED CLASS

In some instances, lots which were subject to Registered Class, but failed to meet Registered Class standards, may be planted by the original applicant to produce Certified Blue-Tag seed. (Seed shipped on Form 24 or Form 24A is not eligible.)

The applicant should contact either the Seed Certification Manager or the Seed Committee, in writing, depending on the reason for which the seed failed to make Registered Class:

1. INERT - Subject to approval by Seed Certification Manager.
2. GERMINATION - Subject to approval by Seed Certification Manager.
3. MOISTURE - Subject to approval by Seed Certification Manager.
4. OTHER CROP - Subject to approval by Seed Certification Manager.
5. NOXIOUS WEEDS - MUST apply to the Seed Committee.
6. GENETIC PURITY - MUST apply to the Seed Committee

RE-LABELING CERTIFIED SEED PURCHASED BAGGED & LABELED

If an Arkansas Certified Seedsman purchases bagged & tagged certified seed from another Certified Seedsman, either from within or out-of-state, and wishes to bust the bags and re-process, treat, etc., the following process should be followed:

- 1) After opening bags and re-processing, have an Arkansas Department of Agriculture Inspector come and sample for a complete analysis. A copy of the label from the original labeler must be attached to the sample record.
- 2) After the sample is tested and makes a certified class, new labels may be printed.
 - A) If the seed was originally certified from an out-of-state seedsman, then an inter-agency statement will need to be on the label. The Certification number assigned by the Certification Office (for the out-of-state seedsman) should also be on the new label.
 - B) If the seed was originally certified from an in-state seedsman, then the original seedsman's certification number (C-number) will need to be on the label, just as you would do for seed that is bulk-transferred.
- 3) All seed that is re-packaged after treating - must be re-labeled in this manner. The new lot number should be somewhat different from the original seedsman's lot number. Example - Original seedsman's lot number ABC-2, the treated lot number could be ABC-2T.
- 4) Custom Treating (busting the bags after the sale and treating to the customer's specification) can be done without getting a new sample or re-labeling - since the seed was sold before treating. The original label that was on the bags is the proper label. You are only performing an additional service as requested by the customer, after the sale. Of course, your treating plant should be licensed and the proper treatment labeling should be given to the customer.

However, to protect the seedsman and the customer, we do recommend getting a new sample, even if you are only performing a custom-treating operation after the sale. A record would then exist for any problem that might surface after the seed is planted. The source of the problem could possibly be traced either to the treating procedure or to the original seedsman who labeled the seed.

**PRE-PRINTED LABELS & BLUE TAG BAGS
MAXIMUM ALLOWABLE ANALYSIS & PROCESSES FOR VERIFYING**

(Note: See Manual: Guidelines for Printing AR Certified Labels & BT Bags in Section XI)

I. Companies printing Bags or Labels should adhere to the following:

The **minimum** percentage for pure crop seed is **98.00%**, except Peanuts being **97.00%**.

The **maximum** percentage for inert matter is **2.00%**, except Peanuts being **3.00%**.

The **minimum** percentage for germination is **75%** for **Peanuts**, **80%** for **Rice** and **Soybeans**, and **85%** for **Wheat** and **Oats**.

The **maximum** allowable analysis can be taken from below:

CROP KIND	CLASS OF SEED	OTHER CROP	WEED SEED
SOYBEANS	FD	NONE	0.01% – 0.03% (suggested)
	REG	0.05%	0.01% – 0.03% (suggested)
	BT	0.18%	0.01% – 0.03% (suggested)
WHEAT	FD	0.01%	0.01% – 0.03% (suggested)
	REG	0.03%	0.01% – 0.03% (suggested)
	BT	0.08%	0.01% – 0.03% (suggested)
RICE	FD	NONE	0.03% (Maximum allowed)
	REG	NONE	0.03% (Maximum allowed)
	BT	0.06%	0.08% (Maximum allowed)
PEANUTS	FD	0.01%	0.01% (Maximum allowed)
	REG	0.01%	0.01% (Maximum allowed)
	BT	0.02%	0.01% (Maximum allowed)

- II. If allowed, companies may purchase blank Certified Seed labels from the Seed Section at the cost of \$0.10 each or at one-half the price when ordered in quantities of 5,000 or more. No refunds will be made for unused labels returned to the Dept of Agriculture.
- III. As Companies print Registered or Certified labels, they will submit a completed copy of Form 33A, "Certified Labels Printed by Company" which requires a true copy of the tag or label as printed. They may print labels for traditional paper bags (50# or 60#), "Super Bags/Bulk Bags", and/or "Bulk Boxes".
- IV. This seed may not be shipped until all lab tests have been completed and the lot has been **approved for Class being tested**. (An official pre-germ test date may be used for labeling the germination.)
- V. **In order to maintain a better accounting of these labels & bags** - Inspectors who have these growers in their area will conduct quarterly audits to verify usage and stock on hand. The Certification Office will supply quarterly summaries to use for the audit.
- VI. If deemed necessary, during the annual conditioning plant inspection, inspectors will collect and send bag samples to the certification office.

ARKANSAS DEPARTMENT OF AGRICULTURE
Seed Certification Fees (Revised 7/02)

Annual License Fees	
Seed Dealer/Labeler License (Seed Certification Permit is not needed if a seedman's license has been obtained)	\$250.00* *\$0.10 per 100 lb if sold under tonnage reporting system on all seed sold non-certified.
Seed Certification Permit (only allowed to sell bagged and tagged certified seed)	\$100.00 (if produce 100 acres or less and only sell own production of tagged certified seed)
Application	
Varietal Fee	\$20.00
Acreage Fee - Rice	\$2.25 per acre
Acreage Fee - All other crops	\$1.50 per acre
Promotional Fee	\$0.10 per acre
Late Fee	\$50.00 per variety
Tags/Labels	
Printed pressure-sensitive labels	\$0.10 each
Printed pressure-sensitive labels for approved reusable bulk containers	\$0.08 per 50 lbs.
Blank tags/labels (less than 5000)	\$0.10 each
Blank tags/labels (more than 5000)	\$0.05 each
Company-printed Blue Tag bags	\$0.08 each
Approved Reusable containers (such as Q-bit)	\$0.08 per 50 lb
Approved Reusable Superbag	\$0.08 per bushel
Bulk Wheat sold on Bulk Certificates	\$0.08 per bushel
Bulk Wheat Certificates (3-part forms)	\$0.25 per certificate
Extra Inspections	
Seed Treating Equipment	\$7.50 per trip (up to two hours, \$10.00 each additional hour)
Seed Processing Plant	\$15.00 per trip (up to two hours, \$10.00 each additional hour)
Isolation	\$25.00 per trip
1 st Reinspection	one half of acreage fee

2 nd Reinspection	full acreage fee
Laboratory Analysis	
Complete Analysis (Purity & Germ) on soybeans, rice, wheat, oats & cotton	\$16.00
Germination Only (GO)	\$8.00
Purity Only (PO)	\$8.00
Varietal Purity (VP)	\$8.00
GO VP Red Rice	\$16.00
GO VP	\$16.00
Accelerated Aging	\$12.00
Tetrazolium Test	\$15.00
Varietal tests (Phenol, Hypocotyl, Coleoptile)	\$12.00
Roundup® Herbicide Tolerance Test	\$15.00 (200 seed test) \$23.00 (400 seed test)
Priority Sample	\$25.00
Call/Fax Purity	\$1.00
Extra Copies	\$1.00

TESTING OF CERTIFIED SEED BY PRIVATE LABS

CIRCULAR 15

N. Laboratory Analysis: An official laboratory analysis will be made by the Arkansas Department of Agriculture Laboratory. Also, a Registered Seed Technologist approved and licensed by the Arkansas Department of Agriculture (ADA) may run an official analysis on seed for certification of designated crops only. These analyses will be conducted according to the rules of the Association of Official Seed Analysts (AOSA), which will consist of samples obtained by Arkansas Department of Agriculture Inspectors. The sample on which the purity analysis and noxious weed seed examination is made will not be less than the minimum weights for working samples required by the Arkansas Department of Agriculture's certification regulations for the Certified Seed Class and kind of seed. Confirmation tests will be made by the ADA on samples tested by a licensed Registered Seed Technologist and used as a basis for labeling seed for certification. Such confirmation tests must show that the seed is truthfully labeled and meets the minimum standards for the Certified Seed Class and kind of seed.

POLICY

1. The lab must be approved by the Arkansas Department of Agriculture and must be under the supervision or direction of a Registered Seed Technologist.
2. The Arkansas Department of Agriculture will draw the sample and will equally split the sample, sealing and labeling both samples. One sample will be sent to the Arkansas Department of Agriculture for testing by the Inspector. The other sample may be sent to the approved private lab.
3. The private lab must make sure that the sample was received with the seal intact and no evidence of tampering. The seed must be tested according to AOSA rules with the purity and noxious portion of the examination not being less than prescribed in Circular 15 for Certified Seed Class and kind.
4. If the private lab's analysis is going to be the basis for labeling the seed, notification must be given to the Certification Section prior to labeling. A copy of the private lab's analysis must be forwarded to the Arkansas Department of Agriculture to be kept in the files.
5. The private lab's analysis must meet the minimum requirements as set forth in Circular 15. The private lab's analysis must be in tolerance with the Arkansas Department of Agriculture's analysis. The AOSA tolerance table will be used for pure seed, other crop, weeds, inert, and germination. An administrative tolerance of 0.3% will be applied to the moisture test. No tolerance will be allowed for prohibited noxious weeds.
6. Any lots found to be labeled out of tolerance with the Arkansas Department of Agriculture's findings will be issued a Stop-Sale Order. The record of labeling violations will be reviewed annually prior to re-issuance of licenses to test seed for certification.
7. Failure to follow these regulations shall be grounds to revoke any and all licenses issued by the Arkansas Department of Agriculture.

Selling BULK WHEAT on a BULK CERTIFICATE

WHO CAN SELL BULK CERTIFIED WHEAT?

Questions? Application? Call the AR Department of Agriculture Seed Section (501) 225-1598

1. CERTIFIED GROWERS/DEALERS THAT HAVE APPLIED FOR CERTIFICATION AND HAVE RECEIVED ANALYSIS REPORTS ASSIGNING CERTIFIED BLUE-TAG CLASS.

WHAT DO I NEED TO DO TO GET STARTED?

- A) Read and become familiar with the regulations regarding bulk sales of wheat.
- B) Fill out the [application form for approval to sell bulk certified wheat \(Form 20-BU/WT\)](#). List your certification permit number (must be currently in force). If you have more than one location that you wish to sell bulk certified wheat from, you must complete a form for each location and send in \$10 for a Certification Permit for that location. A Certification Permit number will be assigned, and you will receive a Certification Permit Certificate. (Certification Permits expire June 30th each year and must be renewed.)
- C) Call the Certification Office and request the number of Bulk Certified Seed Certificates you think you will need. These will be serially numbered and cost \$0.25 cents each. Any unused bulk certificates remaining at the end of the season will be returned to the Certification Office (no refunds).
- D) Follow the processes outlined for selling bulk certified wheat.

2. RETAIL SEED FACILITIES THAT ARE NOT CERTIFIED PRODUCER/DEALERS

WHAT DO I NEED TO DO TO SELL BULK CERTIFIED WHEAT FROM MY FACILITY?

- A) Read and become familiar with the regulations regarding bulk sales of wheat.
- B) At least one week before needed, fill out the application (**Form 20-BU/WT Retail**) for approval to sell bulk certified wheat. A certification permit number will be assigned and you will receive a Certification Permit Certificate. (Certification Permits expire June 30th each year and must be renewed.)
- C) If you have bulk storage bins, an Arkansas Department of Agriculture Inspector will check your facility to see if acceptable procedures are in place for receiving, storing, dispensing and record keeping for maintaining identity of the seed.
- D) After Approval, call the Certification Office and request the number of Bulk Certified Seed Certificates you think you will need. These will be serially numbered and cost \$0.25 cents each. Any unused bulk certificates remaining at the end of the season will be returned to the Certification Office (no refunds).
- E) Follow the processes outlined for selling bulk certified wheat.

“Bulk Bag” or “Super Bag” is the term traditionally applied to those bags which hold approximately one ton of seed, but amounts can vary from 61 to over 2500 pounds. The following may be considered a summary of the regulations applicable to bulk bags, but refer to Circulars 10 and 15 when applying them:

- A. **BULK BAGS ARE APPROVED CONTAINERS FOR ALL CERTIFIED CLASSES OF RICE, SOYBEANS & SMALL GRAINS.** Registered Class must be in new bags and lot sizes are limited to 3,000 bushels. Foundation Class must be in new bags and lot sizes are limited to 1,500 bushels.

Each bulk bag must have a certification label attached showing the analysis & the net weight of each bag. (Note: If there are 10 bags in a lot, each bag can have the same weight or each one can weigh a different amount but the label must indicate the appropriate weight.)

- B. **BULK BAGS CAN BE USED FOR STORAGE AND SHOULD BE TREATED AS ANY OTHER BULK SEED IN A BULK BIN.** Bulk Bags may be used as storage containers, and for this reason the seed they contain is no different from the seed contained in bulk bins. Referring to paragraph M of circular 15, Blue Tag seed of all crops may be sampled in bulk provided the seed has been cleaned and graded.

- C. **SEED ELIGIBLE FOR CERTIFICATION MAY BE SOLD FROM ONE SEEDSMAN TO ANOTHER SEEDSMAN WHILE IN BULK PROVIDED THAT THE IDENTITY OF THE SEED HAS BEEN MAINTAINED AT ALL TIMES AND THAT THE APPROPRIATE DOCUMENTS (Form 24 or Form 24A) ACCOMPANY THE SHIPMENT.** One obvious difference between bulk bags and bulk bins is that bulk bags may be easily transported. But again, just keep in mind that the seed is bulk seed and disregard the bag. Seed may be sold to another holder of a seedman’s permit in the bulk, **IF** accompanied by a bulk transfer form (Form 24). Also, since with the bulk bags, it is possible to transport more than one variety at a time on the same truck, the regulations (Paragraph L:2) require that each bulk bag can be marked so that the identity can be maintained. **SEED MOVED IN BULK BAGS WHICH DOES NOT MEET THE ABOVE REQUIREMENTS IS NON-CERTIFIED SEED AND EACH BAG SHOULD HAVE A LABEL ATTACHED (CIRCULAR 10 REQUIRES ALL CONTAINERS TO BE LABELED. BULK BAGS ARE CONSIDERED CONTAINERS UNDER CIRCULAR 10).** Even the statement “Eligible for Certification” is misleading since without a bulk transfer form the seed would not be eligible to receive certified labels until it has been re-sampled at the purchasers location. If the seed is non-certified, it must comply with Circular 10, Section 2:C. Which states that each container must have a label attached containing the required information. The seller must have a current Seed Dealer’s license and must report the sale on his quarterly seed report. (For example: A truck carrying 5 bulk bags of the same lot of non-certified seed drops off a bulk bag at five different farms. This is to be considered five different sales and each bulk bag must be labeled with the information required in Circular 10, Section 2:C.)

- D. **A REPRESENTATIVE SAMPLE MAY BE OBTAINED FROM BULK BAGS BY FOLLOWING THE SAMPLING PROCEDURES OUTLINED IN CIRCULARS 10 AND 15** (see section in this manual for updated info on sampling bulk containers).

Bulk bags may be sampled from the top by untying the fill neck and inserting a bin probe. Probe in at least as many places as would be required for the same quantity of seed in bags of a size customarily used for that crop. Seed sampled by an automatic sampler need not be probed.

Regulatory samples may be pulled on bulk bagged seed in the same manner. If it is necessary to remove a permanent seal from the strings to procure a regulatory sample, replace it with a plain seal (or yellow ADA zip tie) and use your inspector’s tape to identify who opened the bag. Place your completed inspector’s tag on the strings first, then affix the seal.

INFORMATION FOR PRODUCING/ADVERTISING/SELLING CERTIFIED SEED

We have two circulars regarding regulations on seed: 1) Circular 10 - Regulations on the Sale of Planting Seed in Arkansas, and 2) Circular 15 - Official Standards for Seed Certification in Arkansas. The following list will reiterate some of the important aspects of these regulations.

- 1) **Seed can be called "Certified" only** - if it is bagged and tagged with an official certification label. (EXCEPTION: Certified Blue-Tag Class Wheat may be sold in bulk- see note.) This means going through the entire process of certification - application, field inspection, an inspector's sample on clean seed for purity and germination that makes the Class applied for, and labels printed and attached to the bagged seed. (NOTE: Regulations allow certified blue-tag wheat to be sold in the bulk; it still requires this entire process, except bagging, and the labeling information is given on a bulk certificate instead of a tag/label. For more information on selling bulk certified wheat, contact the Arkansas Department of Agriculture (ADA) Seed Section or your area inspector.)
- 2) **The only bulk sales of Arkansas certified seed currently allowed** - are bulk transfers between two licensed certified seedsmen, and Certified Blue-Tag Class wheat. Seed applied on for certification may be sold from one licensed certified seedsman to another, in bulk, provided the identity of the seed has been maintained at all times and the appropriate **bulk transfer form accompanies the shipment**. After the seed is moved it must be sampled for a complete analysis (purity and germ), bagged and tagged, to be sold as Certified. If it is sold as non-certified, the seedsman who purchased the seed on the bulk transfer form is responsible for labeling & paying tonnage fees on these seed sales.
- 3) **Uncleaned seed may be sampled by an inspector** - for germ, varietal purity, noxious weeds and moisture as an aid in making conditioning decisions. However, **a complete analysis (germ and purity) must be performed on cleaned seed before a Certified Class can be issued**. These samples on cleaned seed may be drawn by an ADA inspector on bulk seed when blue-tag certified is needed. Registered and Foundation Classes are only issued on samples drawn from cleaned, bagged seed.
- 4) **"Eligible for certification if bagged and tagged"** - was originally intended only for invoices, to allow auditors to identify seed that was bulk transferred, and still in the process of obtaining certification. This statement may only be used on invoices of sales of seed applied on and approved in the field and the lab, yet lacking the final process of certification (bagging and tagging). **This seed is not certified and should not be advertised as such. This statement cannot be applied to uncleaned seed. Without an analysis on cleaned seed, eligibility for certification is unknown.**
- 5) **A complete analysis (germ and purity) is required to supply the labeling information on all seed sold, both certified and non-certified**. The information required on the label is listed in Circular 10, Section 2.C. The labeling information on bulk sales must accompany each sale, either on the invoice or on a separate sheet or tag.
- 6) **If you grow 100 acres or less of certified seed, a \$100 Certification Permit** is all that is required for selling your own production of bagged/tagged certified seed or bulk transfers. A Seed Dealers's License (\$250) is required for any other sales of seed not labeled by the ADA (Cir. 10, Section 2. Licensing-Reporting-Labeling). A Certification Permit may be upgraded to a license for an additional \$150.

Identity Preserved / Quality Assurance Program

The Arkansas Department of Agriculture's (ADA) Seed Certification Section provides a service to the public for the maintenance and increase of quality seed. This is provided to ensure varietal purity and seed quality by reviewing and retaining crop production records and through a series of field and laboratory inspections. The traditional method for providing this has been through the Seed Certification program. However, the ADA also offers alternative programs to meet the changing needs of the seed industry.

Identity Preserved / Quality Assurance is part of a trend in seed certification that is outside the traditional certification program. It can involve adding value by maintaining the identity of a product through production, processing and/or marketing channels or simply providing inspections for quality control for variety, weeds, etc. It provides a uniform, unbiased system for producing and marketing seed. Each program is tailored to the needs of the company involved and fees are set according to the complexity and time needed for the required inspections.

ADA staff are available for the following services:

- Field Inspections for weeds, other crops and varietal purity (including flowering inspections for soybeans)
- Inspection forms / Application forms tailored to company's needs
- Representative Sampling of each seed lot
- Laboratory evaluation of each seed lot for warm germination, purity, noxious weeds and varietal purity (vigor testing available for cotton, wheat, soybeans, garden beans)
- Herbicide resistance Soybean Field Inspections (after herbicide application and prior to harvest)
- Laboratory evaluation to verify the presence of the herbicide-resistant gene (only available for companies that have their own herbicide-resistant variety)
- Labeling with analysis information

To request any of these services, please contact the ADA Seed Section, complete an [application for Identity Preserved / Quality Assurance](#) services and return as soon after planting as possible. Please note there are application deadlines in order to perform these various services. If you have not previously used any of these services, some processing time will be required to determine needs and develop individual programs.

PROPER DISPOSAL OF PESTICIDE-TREATED SEED

Circular 10, REGULATIONS ON THE SALE OF PLANTING SEED IN ARKANSAS, Section 2 I, paragraph 5 states:

“It shall be illegal to sell, give away or use treated seed for any purpose other than planting. Treated seed, for other than planting purposes, shall be disposed of as specifically by the appropriate State agency.”

METHOD OF DISPOSAL

1. Plant in the usual manner for the kind of seed involved.
2. Spread evenly on the ground and cover with soil by discing or plowing.
3. Transport to a permitted Class I or Class II sanitary landfill.

Notice: Before any landfill can accept treated seed it must be determined:

1. Whether the landfill has a proper permit from the State Department of Environmental Quality (DEQ) to receive treated seed, and
2. Whether the pesticide(s) used to treat the seed would cause the seed to be classified as hazardous waste.

These determinations will be made by DEQ based upon the following:

Kind of seed
 Number of bushels per pound
 Bagged or bulk
 Pesticide(s) treated with
 Name and location of proposed landfill

Write or call DEQ and give the above information. If the determinations are satisfactory, permission will be granted to landfill the seed. If not satisfactory, the seed cannot be landfilled. They can be disposed of only by planting, discing under the soil surface, or plowing under.

Once a landfill has been approved to receive treated seed, and as long as it maintains permitted status with DEQ, quantities of 300 pounds or less may be mixed uniformly with other wastes and buried at the landfill without individual load approval from the Arkansas Department of Agriculture.

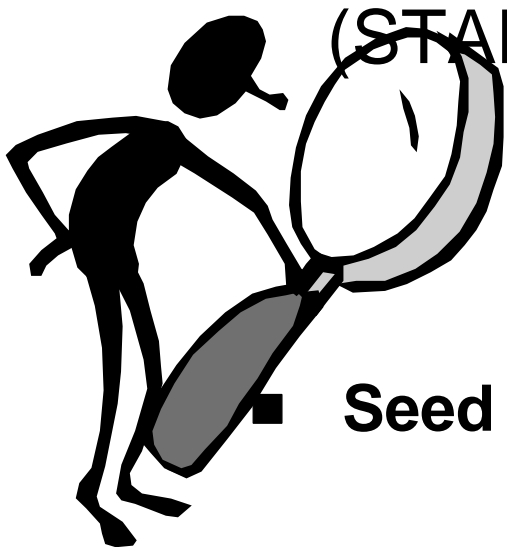
If a farmer, grower or dealer wishes to carry treated seed to a landfill, he will need to determine whether the landfill is eligible to receive the seed. The individual can get the required information together and call DEQ to determine whether the landfill in question is properly permitted to receive seed which have been treated with the chemicals in question.

EXAMPLES OF PESTICIDES USED FOR SEED TREATMENT

Seed treatment refers to covering the seed coat with insecticides, fungicides and/or herbicides to protect the seed from insects and/or diseases when they are planted.

Pesticide Type	Product Name	Active Ingredient ★Restricted-use
Insecticide	Aeris	★Imidacloprid & Thiodicarb
Insecticide	Avicta 500 FS Avicta Duo Cotton	★Abamectin ★Abamectin & Thiamethoxam
Fungicide	Apron Apron MAXX RTA + Moly	Metalaxyl-M Metalaxyl-M + Fludioxonil
Fungicide	Baytan	Triadimenol
Fungicide	Captan	Captan
Insecticide	Cruiser 5FS Cruiser Maxx	Thiamethoxam + Fludioxonil & Metalaxyl-M
Insecticide	Dermacor	Chlorantraniliprole
Insecticide	Diacon II (stored grain/seed protectant)	S-Methoprene
Fungicide	Dividend Extreme	Difencoconazole & Metalaxyl-M
Fungicide	Dynasty Dynasty CST	Azoxystrobin + Fludioxonil & Metalaxyl-M
Insecticide	Gaucho	Imidacloprid
Fungicide	Maxim 4FS Maxim XL Maxim M2	Fludioxonil + Metalaxyl + Mancozeb
Fungicide	Thiram	Thiram
Fungicide	Trilex Flowable Trilex AL Flowable Trilex Advanced	Trifloxystrobin + Metalaxyl + Triadimenol
Herbicide	Trilex 2000	Trifloxystrobin + Metalaxyl
Fungicide	Vitavax Vitavax-200	Carboxin Carboxin & Thiram

Seed Investigation Processes



(STANDARD OPERATING
PROCEDURE)

- **Seed Investigation Processes**
- **Seed Investigation Forms**
- **Supplemental Information**

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A. LABELING REQUIREMENTS

Routine checking for compliance with labeling requirements involves random sampling of planting seed being sold in the marketplace. Each sample should be obtained using AOSA methods and checked for compliance with labeling requirements (**refer to the seed sampling section in this manual**).

1. Check the labeling company to see if their Arkansas seed dealer's license is current (see <https://www.agriculture.arkansas.gov/plant-industries/seed-section/licensing/>) at the bottom of the page.
 - a. If not licensed, issue a stop-sale. A red stop-sale tag can be attached to the bags or bins (if in bulk). If a manager at the location where the seed is being sold is present, direct them to the licensing website shown above.
 - b. If no label exists for the seed being sold, issue a stop-sale. Attach copies of invoices, receipts, delivery tickets or similar documents verifying sale or distribution of planting seed. If these documents cannot be obtained, a signed statement from the inspector or individual who witnessed the sale should be submitted on the investigation report (**Form: Seed-Inv-rep**).
 - c. There are exceptions in Arkansas' regulations for licensing and labeling requirements if the seed is being sold or transported **for food or feed** purposes and not for planting. **However:**
 - 1) This seed (small grains, corn, and soybeans) must be branded or tagged to indicate plainly that they are not for planting purposes.
 - 2) Also, the regulations state: "For rice, small grain and soybean seed where the purpose for which the seed is intended may be in question, all seed advertised for sale in any manner, or as processed or tested or treated or offered at a price substantially higher than current grain market prices, shall be presumed to be offered for seeding purposes."
 - d. The same basic process outlined above (a. and b.) should be used for checking on compliance of requirements for a seed treater's license. See: <https://www.agriculture.arkansas.gov/plant-industries/seed-section/licensing/obtaining-seed-treaters-license/> .
2. Complaints on labeling:
 - a. Complaints received from companies/individuals in inspectors area will vary depending on the nature of the complaint. If involving seed licensing or labeling, use the processes listed in a. and b. above, and fill out Complaint Investigation Request (**Form: Seed Complaint Req**). Notify the Seed office as soon as possible and report the complaint received. Ask

for further instructions, if needed. Complete investigation report (**Form: Seed-Inv-rep**) and send to the Seed office.

- b. Complaints received in office: A copy of the complaint will be sent to inspector along with instructions of investigation needed. After investigation completed, complete investigation report (**Form: Seed-Inv-rep**) and send to seed office.

B. ADVERTISEMENTS

Routine checking for compliance on advertising planting seed for sale requires keeping your eyes and ears open and alert to advertisements. This can vary from notices on the internet, to bulletin boards, to ads placed in papers, etc. Remember that the regulations require that anyone who “offers seed for sale for planting purposes within or into Arkansas” must have a seed dealer’s license, and the advertisement cannot be false or misleading. (**See the Techniques & Document section in this manual**)

Investigations on advertisements can be initiated from several sources, including: Inspector making routine compliance checks on ads from their local area, complaints to inspector from individuals/companies on advertisements observed, complaints received in office and referred to inspector for investigation.

1. Routine checks for compliance:
 - a) Make copy of or use original ad/notice, making sure the date and name of the paper the advertisement was in is included. Attach to investigation report form (**Form: Seed-Inv-rep**).
 - 1) If the name of the seedsman is included in the ad, and is local, check to see if a licensed seed dealer or certified grower, etc. If the ad appears misleading or false, visit with the seedsman about the ad content. Include a narrative of this meeting on the report. If the seedsman agrees to remove or change the ad, indicate on the report form.
 - 2) If the name of the seedsman advertising is not listed in the ad, but only a phone number given, attach the ad to the investigation report form and send to the Seed Section. An investigation will be initiated from the office. After the seedsman is identified, the appropriate inspector may be asked to help with the investigation.
2. Complaints on advertisements:
 - a) If the complaint is from an individual/company in your area, follow procedures described in 1. a) above.

- b) Complaints received in office: investigate according to instructions from office and fill out investigation report form (**Form: Seed-Inv-rep**) and return to Seed Section office.

C. CHECKING MOVEMENT OF SEED (During Planting Season)

Random checking on movement of seed/grain during planting season is one tool for determining if seed is being sold without following proper licensing/labeling procedures. Inspectors will look for grain/seed being loaded out of bins into trucks/grain carts.

1. Stop at bin and identify yourself.
2. Issue notice of inspection (**Form : Seed Div. Notice of Insp**). If farmer refuses to sign, make notation of such.
3. Identify the reason for the inspection as follows: "We are checking on movement of seed in Arkansas. We have a few questions we need answered.
4. Ask questions on Questionnaire (**Form: Questionnaire - Seed**). Attach to compliance investigation report form (form: Seed-Inv-rep) and return to seed office.
5. If farmer states they are selling to a mill, follow up by checking with the mill (within the next week) to see if the grain was delivered.
6. If farmer admits they are selling seed for planting without proper license or documentation, issue stop-sale.
7. If farmer identifies the variety and
 - a) You know/suspect the variety is Patented (illegal to save or sell)
 - b) You know/suspect the variety is PVP Title V (illegal to sell except as a class of certified seed)
 - c) You know/suspect the variety is PVP 94 (Illegal to sell except by variety name)

Take a representative sample using PVP / Patented Sample Questionnaire / Sample Record (**Form: Sample Record / Fed Req**)

D. FOLLOW-UP ON FARMERS WHO HAVE SEED CUSTOM CLEANED

Routine audits for grain warehouse, seed, feed & fertilizer often reveal farmers or seedsmen who have had seed custom cleaned. Another tool for determining if seed is being sold without following proper licensing/labeling procedures is to complete random checks to see the purpose for which this seed is used.

1. Inspector receives information from office on farmers with custom cleaned seed.
2. Inspector determines location of farmer (through warehouse or personal knowledge of area), or, inspector can't locate farmer - contact office (seed enforcement officer) as soon as possible
3. When inspector locates farmer, make contact - call and make appointment to see in person, if possible. Identify the reason for the meeting as follows: "You have had seed cleaned and we are checking on movement of seed in Arkansas. We have a few questions we need answered."
4. Ask questions on questionnaire (**Form: Questionnaire - Seed**). Attach to compliance investigation report form (form: Seed-Inv-rep) and return to seed office.
5. If farmer admits he is selling seed for planting without proper license or documentation, issue stop-sale.
6. If farmer says he is selling seed, identifies the variety and:
 - a) You know/suspect the variety is Patented (illegal to save or sell)
 - b) You know/suspect the variety is PVP Title V (illegal to sell except as a class of certified seed)
 - c) You know/suspect the variety is PVP 94 (Illegal to sell except by variety name)

Take a representative sample using PVP / Patented Sample Questionnaire / Sample Record (**Form: Sample Record / Fed Req**)

E. INVESTIGATION OF PROBLEMS WITH FINAL DISPOSITION OF SEED REPORTS

1. Inspector receives information from office on Certified Growers with questions on their "Final Disposition of Seed" report.
2. Inspector makes contact with grower - if needed, call and make appointment, then go to see in person. Identify the reason for the meeting as follows: "We have some questions on your 'Final Disposition of Seed' report."
3. The Final Disposition Questionnaire (**Form: Final Disp Quest**) will be attached to a copy of the final disposition report and the problem(s) will be identified. Ask the questions on the questionnaire that correspond with the problem(s).
4. If necessary, explain to grower that failure to comply with the final disposition requirements will result in loss of ability to participate in seed certification, and

can possibly result in seed enforcement procedures.

F. SEED ARBITRATION INVESTIGATIONS

When a seedsman places a “Notice of Mandatory Arbitration” statement on his bag or label, the seed buyer must go through the Seed Arbitration process before he can pursue legal action in a civil court, when he believes the seed has failed to produce or perform as represented by the labeling of the seed.

Generally, the seed buyer should first contact the seed retailer and/or seed labeler and discuss the problem. If not satisfied, the buyer must file a “**Notice of Intent to Seek Arbitration**”. (See Arkansas Seed Arbitration Process within this manual) This must be done during the growing season, while the problem is still evident in the field. Within 10 days after this filing, the Arkansas Department of Agriculture will arrange a mediation meeting between the parties. If nothing is resolved, the Arbitration request may then be officially filed. After the official filing, an inspector may be sent to conduct an investigation. (The forms for filing for seed arbitration, as well as the process and arbitration law, are available through the Arkansas Department of Agriculture Seed Section office as well as our web site <https://www.agriculture.arkansas.gov/plant-industries/seed-section/arbitration/> .

OBSERVATION OF FIELD:

Summarize what you see. If more space is needed, continue on back or another sheet of paper and attach. Determine growth stage and planting depth and record on (Form: ARB-insp).

1. COUNTS:

As conditions are observed, counts should be made to show the intensity of the factors involved. Make random counts across the field. The method will vary depending on the issue. List the observed factor(s) at the top of the count column(s).

Examples:

Varietal Issue: Make ten random 1,000 plant counts across the field. List the off types observed per count. Write in “Other Varieties” or “Off-types” at top of column.

Germination Issue: Make ten 10-foot counts randomly throughout the field. List the average number of plants per foot at each count. Write in “Plants per foot” at top of column.

2. COMMENTS ON COUNTS:

Give any information regarding how counts were made, such as area per count or how widespread the factor is throughout the field, etc.

3. MAP OF FIELD:

Draw a map of the field. Show location of factor(s) (if only a portion of the field is affected). Show approximately where counts were made. Give latitude/longitude coordinates from center of field.

4. TAKE PICTURES FOR DOCUMENTATION:

Take pictures of the field showing details of the factor(s) observed. When e-mailing pictures, state in the e-mail the name of farmer, field number, etc. and brief description of what the picture shows.

Note: If taking pictures of more than one field, be sure to identify the field in the picture so you can easily determine which picture goes with which field when the pictures are developed.



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Secretary of Agriculture

SEED LAW / SEED REGULATION COMPLIANCE INVESTIGATION REPORT

Name / location of investigation:

[Redacted]

Type of Investigation (check all that apply):

- Seed labeling requirements
- Advertising planting seed for sale (attach evidence, screen shot, newspaper ad, etc.)
- Checking movement of seed / grain during planting season
- Responding to information request on custom-cleaned seed
- Responding to information request on Final Disposition of Certified Seed
- Seed arbitration investigation
- Responding to a complaint
- Other: [Redacted]

Response:

- Stop-sale issued (please attach)
- Notice of inspection issued (please attach)
- Follow-up questionnaire completed - Seed / Grain Movement
- Follow-up questionnaire completed - Seed Custom Cleaned
- Seed sample taken
- Other: [Redacted]

Inspector's Comments or Narrative:

[Redacted]

[Redacted]

Print/Type Inspector Name and Title

[Redacted]

Inspection Date and Time

[Redacted]

Print/Type Recipient's Name and Title

Inspector Signature (if this document is printed)

Recipient's Signature (if this document is printed)



Asa Hutchinson
Governor

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Wes Ward
Secretary of Agriculture

SEED SECTION - COMPLAINT INVESTIGATION REQUEST

Name of Complainant (or Anonymous): _____

Complainant Street/Farm Address: _____

Complainant - City/State/Zip: _____

Phone: _____ Mobile: _____ Fax: _____

Nature of Complaint:

Seed Arbitration Process Required? (Yes, No, Unknown): _____

Is Arbitration Statement on Seed Label / Bag? (Yes, No, Unknown) _____

Print/Type Inspector Name and Title

Inspector Signature (if this document is printed)

Inspection Date and Time

Complainant's Signature (if this document is printed, and if
Complainant is willing to sign)



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SEED SECTION - NOTICE OF INSPECTION

Notice of inspection is hereby given under the authority of the Arkansas Plant Act of 1917 sections 2-16-207 and 2-16-209, Arkansas Statutes of 1947, and under Act 73 of Acts of 1931 of the Arkansas Legislature Sections 2-18-101 - 2-18-108 A.S.A. 1947. Section 2-16-209 states in part "Inspectors of the Board on issuance of a written notice may cause to be held or to be sent out of the state or to be destroyed, any plant, plant product, or any other substance which has been brought into or is being transported within the state in violation of any state or federal law or regulation, and may stop and detain for inspection any person, car or other carrier."

Name of Person to Whom This Notice is Issued _____

Title of Person to Whom This Notice is Issued _____

Name of Company/Farmer to Whom This Notice is Issued _____

Company Address, City, State, Zip _____

Reason for inspection:

_____ For the purpose of determining if seed is being distributed, transported or sold for planting purposes in compliance with state and federal regulations governing such movements/sales.

_____ For the purpose of inspection of records in response to a "Request for Investigation" filed with the Arkansas Department of Agriculture.

Comments:

Print/Type Inspector Name and Title	Inspector Signature (if this document is printed)
Inspection Date and Time	
Print/Type Recipient's Name and Title	Recipient's Signature (if this document is printed)



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SEED SECTION QUESTIONNAIRE FOR FOLLOW-UP ON:

Farmers who have seed custom cleaned, OR, Inspector sees grain being loaded out of a bin

Name of Grower:

Address of Grower:

Is this grain/crop intended for (YES/NO to all that apply):

- Planting Purposes - planting on own farm
- Planting Purposes - selling to someone else
- Mill Grain

Mill name and location:

Does the owner of this seed have an Arkansas Seed Dealer's License that is current?

Does the owner of this seed have an Arkansas Seed Certification Permit that is current?

List this seed owner's kinds of planting seed (rice, soybeans, wheat, etc.), and the number of bushels of each:

Do you have any confirmed or pending sales of seed which will be consummated within Arkansas during the next six months, or are you currently attempting to sell seed into Arkansas? Describe:

Variety Name & Kind	Bushels	Approximate Date Purchaser Takes Possession, or The Amount of Seed Available for Sale
[Redacted]		

Have you, or any entity controlled by you, sold planting seed within/into Arkansas the last 12 months? If so, please summarize each variety separately, below:

Variety Name & Kind	Bushels	Bagged Seed or Bulk Seed
[Redacted]		

Have all applicable testing, labeling and reporting requirements been followed concerning these seed sales?

What is the physical address where your records are available for inspection?

Print/Type Inspector Name and Title

Inspector Signature (if this document is printed)

Inspection Date and Time

Print/Type Recipient's Name and Title

Recipient's Signature (if this document is printed)



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Governor

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Secretary of Agriculture

PLANT VARIETY PROTECTION (PVP) 1994 / PVP TITLE V / PATENT QUESTIONNAIRE - SAMPLE RECORD

This form should be used when PVP, PVP Title Five, and/or U.S. patented seed varieties are suspected of being offered for sale as planting seed

Name & Phone of Individual: _____ Mailing Address of Individual: _____

Location of Inspection: _____ GPS Reading of Location: _____

Date of Inspection: _____ Directions to Farm/Bin: _____

Variety and Kind of Crop	Lot Number	Bin Number	Estimated Number of Bushels	Number of Bags	Bag Weights

COMMENTS: _____

Inspector Signature (if this document is printed) _____

Print/Type Inspector Name and Title _____

Inspection Date and Time _____

I attest that all information submitted on this form is true to the best of my knowledge: _____

Recipient's Signature (if this document is printed) _____

Print/Type Recipient's Name and Title _____



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Secretary of Agriculture

Seed Certification - Final Disposition of Seed - Questionnaire for Inspector's Use

Name of Grower: _____ Phone: _____
Address of Grower: _____

PROBLEM 1: Final Disposition indicates sold seed on bulk transfer, with no bulk transfer forms on file in office.

_____ Do you currently have a bulk transfer on file for this seed?
If YES, obtain a copy for the office and other documentation to support this answer.
If NO, get documentation and help fill out bulk transfer form.
If no documentation is available, record such, and any comments regarding who purchased the seed, below.

Explain to the grower that failure to comply with the final disposition requirements will result in loss of ability to participate in the Arkansas Certified Seed Program, and can possibly result in Seed Enforcement procedures.

PROBLEM 2: Final disposition indicates seed sold as Certified, but no tags purchased. Ask for explanation and record comments.

Ask for an explanation, and record comments:

Explain to the grower that Certified tags/labels or bulk wheat certificates are required for selling as Arkansas Certified Seed. If the grower does not have the required tags/labels, the Department of Agriculture needs more information, the grower will be contacted.

PROBLEM 3: Final disposition report indicates estimated yield is inconsistent with acreage grown.

Acres Grown	Variety and Kind	Number of Bushels per Acre
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Ask for an explanation, why the numbers seem off:

PROBLEM 4: Final disposition indicates you sold Non-Certified seed, but have no Arkansas Seed Dealers/Labelers License. Explain:

Explain the requirements of an Arkansas Seed Dealer's License and a "Complete" analysis for seed samples.

Print/Type Inspector Name and Title

Inspector Signature (if this document is printed)

Inspection Date and Time

Print/Type Recipient's Name and Title

Recipient's Signature (if this document is printed)



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NOTICE OF INTENT TO SEEK ARBITRATION

When a buyer believes they have sustained damage by the failure of agricultural seed to produce or perform as represented by the labeling of the seed, they initiate the arbitration process by filing a written notice of intent to seek arbitration. This must be done within a reasonable time after the alleged defect or violation becomes apparent so as to permit inspection of the crops or plants during the growing season. Within 10 working days after receiving the written notice of intent, the Plant Industries Division Director, or their designee, will schedule a meeting between the buyer and labeler for the purpose of resolving the dispute, or if the dispute cannot be resolved, for the purpose of filing a complaint.

Grower / Landowner: _____
 Address (city, state, zip): _____
 Email: _____
 Phone: _____ Other Number: _____

Seedsman's Name & Address From Seed Label: _____
 NOTE: Please attach a label from the bag showing kind, variety, lot #, and all purity & germination percentages.

Distributor's Name & Location _____
 Where Seed Was Purchased: _____

NOTE: Please attach an invoice showing kind and variety of seed purchased with lot number(s) and date of purchase.
 Arbitration Statement on Bag or Label? YES _____ NO _____

Crop Production Information (Use Separate Sheet & Attach if Necessary)

Crop Kind	Variety	Lot Number	Field Number	Acres	Planting Date	Planting Rate	Previous Crop	Irrigated (Yes/No)	Field Location

Description of Problem. Include alleged damages sustained or to be sustained:

The information provided on this arbitration intent form is true and correct. _____
 Signature of Grower/Applicant



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Secretary of Agriculture

Revised 8-26-2020

REQUEST FOR SEED ARBITRATION

INSTRUCTIONS: If the parties are unable to settle the dispute, the buyer files a written sworn complaint against the labeler. At the time the complaint is filed, the buyer and labeler should determine if they will agree to "binding arbitration". If so, a form will be provided and signed by both parties.

FILING CLAIM: At the time of filing the complaint, the buyer pays to the Director of the State Plant Board a fee of \$250.00 plus \$1.00 per acre filed on not to exceed a total of \$750.00. It is the responsibility of the buyer to send a copy of the complaint to the labeler by registered mail. Within ten days after receiving a copy of the complaint, the labeler is to file a written answer with the Plant Board and send a copy to the buyer by registered mail.

Grower / Landowner: _____
Address (city, state, zip): _____
Email: _____
Phone: _____ Other Number: _____

Additional Crop Production Information (Use separate sheet & attach if necessary)
*Seed Treated? YES _____ NO _____ Treatment Chemicals: _____
Irrigation? YES _____ NO _____ Type of Irrigation: _____
Chemicals applied / growth stage: _____
Number of fields: _____ Total number of acres (all affected fields): _____
Other production information: _____
Location of field(s) and directions: _____

*If the seed was treated, please attach a treatment label if possible. If the seed was custom treated after purchase, please provide a copy of the invoice showing treatment applied and rate.

MAP OF FIELD Field # _____
NORTH
.....
SOUTH

The information provided on this request for arbitration is true and correct. _____
Signature of Grower/Applicant

Subscribed and sworn before me this _____ th day of _____ Year _____
in the State of _____ County of _____

My commission expires: _____

Notary Public: _____

FILING FEE ENCLOSED: \$ _____

FILING FEE: \$250.00 + \$1.00 per acre filed on (not to exceed \$750.00)

Please make checks payable to the Arkansas Department of Agriculture

Mail application, filing fee and all attachments to: Arkansas Department of Agriculture
Attn: Scott Bray
1 Natural Resources Drive
Little Rock, AR 72203
Scott.Bray@agriculture.arkansas.gov

This sworn request for Seed Arbitration must be filed with the Director of the Arkansas State Plant Board within reasonable time after the alleged defect or violation becomes apparent, to permit inspection of the crops or plants within the growing season, and the buyer must send a copy of this request to the Seedsman who labeled the seed by United States registered mail.

The Seedsman / labeler (within 10 days after receipt of a copy of this request for arbitration) shall file with the Director of the Arkansas State Plant Board, their answer to this request for arbitration and send a copy of same to the buyer by United States registered mail.

TECHNIQUES AND DOCUMENTATION

1. Check out any leads given through word of mouth or advertisements in a newspaper, etc. Tell people that if they know of someone who is selling seed illegally, they can call the office and report it to us anonymously over the phone. Inspectors are in a good position for this kind of work due to the fact that they have working relationships with people in one area and can probably collect the information fairly easily. Also, because of the fact that inspectors visit farmers frequently for sampling, etc., they are able to find out what kind of seed a farmer has on hand and who he sells to by talking with him.
2. When at a facility which has a warehouse where bagged seed is kept, make sure all seed is labeled properly. Issue a stop sale if necessary. Also, if brown bagged seed is spotted during an inspection of the warehouse, try to find out if the facility is storing farmer's seed. If so, find out whether or not they have a Grain Warehouse license. (If they do, it should be posted on a wall in the office). If they do not have one, and are storing seed for someone else, notify someone in the Grain Warehouse Section (Tristan Daniel, Dana Jones, or Mike Stage).
3. When at a farm or facility, mention to them that seed audits are being conducted and we will check for the following:
 - a. Numerical invoices should be kept on all sales.
 - b. Invoices should include lot numbers on ALL seed sales.
 - c. Invoices should show amounts sold and whether the sale was bagged or bulk, certified or non-certified
 - d. Proper testing should have been completed on all seed sales.
 - e. Bulk Transfer Form 24's if used, should have been filled out correctly by both the owner/shipper of the seed, and the recipient, and copies sent to the Seed Section.
4. It is a good idea to have available the website for applying and renewing Seed Dealer Licenses: <https://www.agriculture.arkansas.gov/plant-industries/seed-section/licensing/> to give to the company in violation.
5. If you find a company that needs to be licensed, and they do not want to fill out the application at that time, make sure to give their contact information to the Seed Section staff, letting them know they should expect to receive an application from that company shortly. Seed staff can then give the information to Grain Warehouse or Seed auditors so we can visit that individual in order to audit any previous years activity and make sure proper record keeping is understood by that person.
6. Document as much as possible any problem area encountered while filling out the questionnaire.

Seed Tests offered by Seed Laboratory

Herbicide Tests

- a. 200 seed Bio-assay Roundup Test on Soybeans - \$15.00
- b. 400 seed Bio-assay Roundup Test on Soybeans - \$23.00
- c. 200 seed Bio-assay STS Test on Soybeans - \$25.00

These herbicide tests place soybean seed in a diluted herbicide solution for a short time then transfer to growth media such as germination towels or sand. Media is moistened with water and seed are allowed to grow 6 to 8 days. Seedlings are then evaluated for herbicide damage.

Vigor Tests

- a. 200 seed Accelerated Aging Test on Soybeans or Wheat - \$12.00
- b. 200 seed Cool Test on Cotton - \$12.00

The Accelerated Aging Test places seed in a high humidity, high temperature (41C or 105.8F) for 72 hours. Seed are then planted for a germination test. An Accelerated aging score which is not more than 10% below the standard germination test is considered a high vigor seed lot. If the Accelerated aging % is more than 20% below the standard germination test, then this lot may have problems establishing a uniform stand under less than ideal planting conditions.

The Cotton Cool Test is a cool germination test. Seeds are planted in germination towels and placed in crispers for 7 days. The temperature of the germinator is set at 18C or 64.4 F. This is a stress test to separate low vigor lots from higher vigor seed lots. A Cool Test below 60% is considered a low vigor seed lot and may have problems establishing a uniform stand when planted too early.

Varietal Tests

Soybeans

- a. 400 seed Hypocotyl Test - \$12.00

We can determine the flower color by planting seed in sand and exposing seedlings to continuous light. Seedlings with Green or Bronze hypocotyls will have a white flower and purple hypocotyls will have purple flowers.

- b. Peroxidase Test - \$12.00

This is a chemical reaction test conducted on a portion of the seed coat to determine the peroxidase activity. Some of the varieties have a high peroxidase activity (positive reaction). Some varieties have a low peroxidase activity (negative reaction). There are a few varieties with both positive and negative.

Varietal Tests

Wheat

a. 400 seed Coleoptile Test - \$12.00

We can determine the coleoptile color by planting seed in dark at 18C for 4 days or until the seedling is 3/4 of an inch long. The seedlings are then transferred to continuous light and 25C for an additional 24 to 48 hours. Some varieties have clear coleoptiles and others have red.

b. 400 seed Phenol Test - \$12.00

Seeds are planted overnight and then placed on white filter paper moistened with 1% Phenol solution. Some varieties have a color change while others do not.

Reminder

When sending in seed samples please check information on sample record with sample sack to make sure lot numbers and other information are correct.

If customer is needing tests such as Accelerated Aging or Roundup remember to put this under the other tests requested column on sample record.

When packing samples to be shipped through UPS remember to not go over 75 lbs. Or they bill at triple rate. If you pick up samples from a customer to ship in for them and they appear to be in flimsy sacks, please suggest to them to double bag them or they may arrive broken.

On regulatory Roundup Soybeans, if there is not a R or RR in the variety name please put RR S/B in the comments section of the paperwork so we will know. We conduct a 100 seed roundup test on all regulatory Roundup Ready Soybean samples.

The Total % column on the regulatory paperwork is for % germination + % Hard/dormant, not total % of purity analysis.

When sending in wheat, oats, or grass seed samples remember to mark on the sample record whether they are new crop or carry-over, especially May through August. In order to break dormancy in new crop samples, germination tests are placed in the prechill chamber for 5 days. The germination samples are then transferred to the appropriate germinator for the crop being tested. Placing carry-over samples in the prechill chamber for 5 days may cause a reduction in the % germination.

ARKANSAS SEED ARBITRATION PROCESS

REQUEST:

1. GROWER SHOULD CALL THE PLANT BOARD FOR ARBITRATION FORMS (written notice of intent form) and a copy of the Arbitration Law.
2. Grower files a written notice of intent to seek arbitration within reasonable time after the alleged defect or violation becomes apparent, to permit inspection of the crops or plants during the growing season.
3. Plant Industries Division Director sets meeting between grower & labeler for purpose of resolving dispute
4. After this meeting, if not resolved, the Arbitration Request Form is officially filed. Remember to:
 - A) ATTACH COPY OF LABEL FROM SEED
 - B) ATTACH COPY OF INVOICE SHOWING LOT NUMBER, LOCATION WHERE PURCHASED & AMOUNT PURCHASED
 - C) ATTACH FILING FEE
 - D) Determine if the Arbitration will be Binding
5. Grower must send a copy of arbitration request to the Seed Labeler by United States registered mail.
6. Labeler (within 10 days after receipt of complaint) must file their answer to the complaint with the Director of the Plant Industries Division, Arkansas Department of Agriculture.
7. The Director will refer the request for arbitration to the Seed Arbitration Committee.

INVESTIGATION:

8. The Arkansas Department of Agriculture (ADA) will send an inspector to make an initial investigation as soon as possible after receiving the request for arbitration.
9. THE ARBITRATION COMMITTEE IS AUTHORIZED:
 - A) to examine the buyer on his use of the seed (production data)
 - B) to examine the labeler / dealer on his packaging, labeling and selling operation of the seed (lot history)
 - C) to grow a representative sample of the seed under the supervision of the Arkansas Department of Agriculture
 - D) to hold informal hearings
 - E) to seek evaluations from authorities in allied disciplines
 - F) to direct individual members of the committee to make investigations and report their findings in writing to the committee

FINDINGS:

10. The Arbitration Committee reports the findings and recommendations to the buyer & labeler or dealer by registered mail.
11. The consumer & seedsman give written notice to the acceptance or rejection of the committee's recommended terms of settlement within 30 days from issuance.

INFORMATION ON SAVING AND SELLING RICE SEED

Many varieties of rice are now being applied on for protection by Plant Variety Protection (PVP) laws or Utility Patents. The following information will help sort out what is required for selling some of the most widely used varieties out of bins (if eligible) or as certified seed. Certified rice seed must be sold in bags with a certified label. Superbags are approved containers for both Blue-tag Class and Registered Class certified rice. Registered Class seed must be in new bags and have a lot size limit. Some of these requirements are state law for selling agricultural seed of any kind for planting purposes.

Some varieties have been applied on for Plant Variety Protection (PVP) and/or Patents, while other varieties have been, or are expected, to be applied on for PVP, as well as Title Five (Title V - may only be sold as a class of Certified seed). PVP levels are listed per variety in seed directories at the bottom of the page <https://www.agriculture.arkansas.gov/plant-industries/seed-section/certification/> .

In order to sell these protected varieties, seed owners must:

1. Have an Arkansas Seed Dealer's License and be responsible for paying tonnage fees on all seed sold into or within Arkansas.
2. Obtain a "Complete" seed laboratory analysis (germination, purity, noxious weed survey, sample moisture) and give all required labeling information to each buyer. (Must have a Complete analysis showing approval for a certified class of seed if selling as "subject to certification if bagged & tagged".)
3. Be responsible for rice promotion fees (collected by DF & A - for more information call Ann Foreman at 501-682-7191).
4. Comply with Plant Variety Protection Act (PVPA 1994)
 - a. A farmer must have permission from the variety owner to sell the seed. In addition to variety PVP and PVP Title V protections mentioned above, Clearfield Rice varieties have also been Patented and have additional protection and/or requirements that the PVPA does not cover. An authorized Clearfield Seedsman/Retailer has those requirements. Some of the University of Arkansas releases are patented or in the process of being patented, but seed may be saved for planting purposes on land the producer owns.
 - b. A farmer can still save and plant seed on his own farm (except for Clearfield Patented Varieties or other patented varieties as noted).
 - c. A buyer of a protected variety for use in non-reproductive purposes (grain), may not convert that grain to productive purposes.

Older varieties such as Cypress, Kaybonnet, Lagrue, Alan, Lemont, Bengal and Jackson are not required to have received a Certified Class in order to sell for planting (unless they are being marketed as "Subject to Certification if bagged & tagged"). However, they still must meet these requirements:

1. Have an Arkansas Seed Dealer's License and be responsible for tonnage fees on all seed sold in Arkansas.
2. Have a complete analysis (germination and purity) and give all required labeling information to each buyer. If any of this seed is being sold as "Subject to Certification if bagged & tagged", the seed must have a certified laboratory analysis showing the seed passed lab standards for a Class of Certified seed.
3. Be responsible for rice promotion fees (collected by DF & A - for more information call Ann Foreman at 501-682-7191).

INFORMATION ON SAVING AND SELLING WHEAT SEED

Many varieties of wheat commonly used in Arkansas have been applied for or have been granted protection by Plant Variety Protection (PVP) laws. The following information will help sort out what is required for selling some of the most widely used varieties out of bins (if eligible). Some of these requirements are state law for selling agricultural seed of any kind for planting purposes, whether protected or not. For varieties that have been, or are in the process of, being applied on for Plant Variety Protection (PVPA 1994), in order to sell these varieties out of bins, a seed owner must:

1. Have an Arkansas Seed Dealer's / Labelers License and be responsible for tonnage fees on all seed sold in Arkansas.
2. Have a complete analysis (germination, purity, noxious weed survey, sample moisture) and give all required labeling information to each buyer.
3. Be responsible for rice promotion fees.
(collected by DF & A - for more information call Ann Foreman at 501-682-7191).
4. Comply with Plant Variety Protection Act (PVPA 1994)
5. Seed must be sold by variety name. Seed cannot be sold as variety not stated "pasture wheat", "wheat (mixed)", etc.
6. A farmer must have permission from the variety owner to sell the seed. PVP Title V varieties are required to be in the AR Certification program and have received a Certified Class of seed on the laboratory complete analysis. Wheat seed owners must be in the Bulk Wheat Certification Program and obtain Bulk Certificates to accompany all wheat sold in bulk as Arkansas Certified Seed.
7. A farmer can still save and plant seed on their own farm.*
8. A buyer of a protected variety for use in non-reproductive purposes (grain or feed for livestock), may not convert that grain to productive purposes.

Unprotected varieties such as Hazen are not required to be labeled by variety name in order to sell for planting. For all sales, you must still meet the following requirements:

1. Have an Arkansas Seed Dealer's License and be responsible for tonnage fees on all seed sold in Arkansas.
2. Have a complete analysis (germination and purity) and give all required labeling information to each buyer. If any of this seed is being sold as "Subject to Certification if bagged & tagged", the seed must have a certified laboratory analysis showing the seed passed lab standards for a Class of Certified seed.
3. Be responsible for rice promotion fees.
(collected by DF & A - for more information call Ann Foreman at 501-682-7191).

*Limited to the amount of seed needed to plant a farmer's own holdings (land owned, leased or rented).

For information on varieties that are PVP protected, see <https://www.ars-grin.gov/pvp>.

SEED PROTECTION: RIGHTS AND RESPONSIBILITIES

DEFINITIONS:

1970 Plant Variety Protection Act (PVPA) - Legislation enacted to promote the development of new varieties by allowing the variety owner to determine who may sell seed of the variety. Farmers may save seed for their own planting needs and sell that amount to a neighbor, if plans for that variety change. All seed sales must comply with state seed laws. Applies to all varieties protected prior to April 4, 1995.

1994 Amended PVPA - Amendment to the Plant Variety Protection Act that prohibits the sale of any farmer saved seed without the permission of the variety owner. It also extends protection to tuber reproduced plants, varieties essentially derived from the variety, and harvested material of the variety. Seed protected under the 1994 PVPA must be sold by variety name (except for turf, forage, alfalfa & clover). Length of protection was increased to 20 years for most kinds, 25 years for trees, shrubs and vines. Applies to all varieties protected after April 4, 1995.

Title V - an option for protected varieties that allows for the sale of the seed by variety name only as a class of certified seed. Non-certified sales are prohibited. Seed may be called "Certified" only after meeting all requirements and standards of an Official Seed Certifying Agency.

Utility Patents - A means of protection for certain varieties, especially those developed through genetic engineering or biotechnology. Farmers may not save, clean/condition, or sell any seed protected under a utility patent.

	'70 PVPA	'94 PVPA	TITLE V	PATENT
FARMER:				
ALLOWED TO SAVE SEED	*YES	*YES	*YES	NO
ALLOWED TO SELL SEED (No Advertising) TO NEIGHBOR if in compliance with state laws.	*YES	NO	'70 PVPA ONLY	NO
CONDITIONER:				
Condition varieties for Farmers	*YES	*YES	*YES	NO
Store Seed for Farmers	*YES	*YES	*YES	NO
Clean or Stock as step in Marketing Variety	NO	NO	NO	NO
Deliver or Load Seed to a Third Party	NO	NO	NO	NO
Advertise Farmer-Saved Seed	NO	NO	NO	NO
Sell or act as Broker for Farmer-Saved Seed	NO	NO	NO	NO

***Limited to the amount of seed needed to plant a farmers own holdings (land owned, leased or rented).**

For further information, check out <http://www.ams.usda.gov/science/pvpo>, <http://www.uspto.gov/> or contact the Seed Section at Regulatoryseed@agriculture.arkansas.gov, or (501) 225-1598.

QUESTIONS and ANSWERS ON PLANT VARIETY PROTECTION**Q. What are the benefits of Plant Variety Protection for farmers?**

A. The Plant Variety Protection Act was designed to promote the development of new varieties. Allowing Plant Breeders to determine who can sell seed of the varieties developed gives them the ability to recoup the monies expended in the process and re-invest in future variety development programs.

Q. What changes were made when the Plant Variety Protection Act was amended in 1994?

A. The major provisions of the 1994 PVPA:

Prohibits the sale of any farmer saved seed without the permission of the variety owner.

Requires that protected varieties be sold by variety name.

Extends protection to tuber reproduced plants, varieties essentially derived from the variety, and harvested material of the variety.

Increased length of protection to 20 years for most kinds, 25 years for trees, shrubs and vines.

Q. How can I tell if the seed I buy is protected under the 1970 or 1994 PVP?

A. The label on the bag of seed will identify if the seed is protected and distinguish which Act it is protected under.

Q. Can a farmer save seed of a protected variety?

A. A farmer can save seed protected under both the 1970 and 1994 PVPA for planting on his own holdings (land owned, leased or rented).

Q. Can a farmer sell seed of a protected variety?

A. Under the 1970 PVPA - Yes, but only the amount needed to plant his own holdings and if in compliance with state laws & regulations.

Under the 1994 PVPA - No, unless permission is given by the variety owner.

Q. Can I clean seed for a farmer?

A. Any actions taken as steps in marketing farmer-saved seed are infringements of the rights of the owner. This can include cleaning excess seed or delivering seed to a third party. Under the 1994 PVPA, cleaning or storing farmer saved seed for sale are infringements. Anyone who cleans or conditions farmer saved seed should keep written documentation from the farmer stating that the seed being cleaned is not in violation of PVP laws or Patents.

Q. What does PVP Title V protection mean?

A. If this option is selected by the variety owner, it means the variety must be sold by variety name as a class of certified seed. Title V of the Federal Seed Act makes sales of non-certified seed of these varieties illegal.

BERMUDAGRASS PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

CELEBRATION BERMUDAGRASS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
						X	Celebration is a Patented Turfgrass, U.S. PP 11,181. Propagation Prohibited by Law.

LATITUDE 36 BERMUDAGRASS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
						T	PATENTED (# PP24271)

MINIVERDE BERMUDAGRASS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
						X	PATENTED

NORTHBRIDGE BERMUDAGRASS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)

TAHOMA 31 BERMUDAGRASS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
						X	PATENTED VARIETY US PP31,695 P3

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

BERMUDAGRASS PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

TIFDWARF BERMUDAGRASS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)

TIFGRAND BERMUDAGRASS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
						X	

TIFGREEN (TIFTON 328) BERMUDAGRASS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)

TIFSPORT BERMUDAGRASS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
						X	TifSport is a Patented Turfgrass, U.S. PP 10,079. Propagation Prohibited by Law.

TIFTON-10 BERMUDAGRASS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

BERMUDAGRASS PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

TIFTUF BERMUDAGRASS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)

TIFWAY (TIFTON 419) BERMUDAGRASS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

BIG BLUESTEM PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

HAMPTON (GERMPLASM) BIG BLUESTEM

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

COTTON PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

A1013291 COTTON

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X						Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

DP 121 RF COTTON

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
						X	Patented.

DP 445 BG/RR COTTON

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X					X	Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994. Patented.

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

EASTERN GAMAGRASS PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

BUMPERS EASTERN GAMAGRASS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

HEMP PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

TOLS CHERRY WINE S-1 HEMP

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	x			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

OATS PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

BOB OATS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
NA							

COSAQUE OATS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)

GRAHAM OATS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)

HORIZON 201 OATS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X						Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

HORIZON 270 OATS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X						Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

OATS PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

HORIZON LA976 OATS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
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1994							PVP ABANDONED
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LA9339 OATS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
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1994	X						UNAUTHORIZED PROPAGATION PROHIBITED; U.S. PROTECTED VARIETY. PVPA 1994
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NF95418 OATS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
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1994							
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ROMAR-07 OATS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
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1994							
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TAMO 405 OATS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
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1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.
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* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

OATS PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

TROPHY OATS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X						Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

YORK OATS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
NA						X	Patented

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

PEANUTS PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

107 PEANUTS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

297 PEANUTS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

331 PEANUTS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

AT-215 PEANUTS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

AU-NPL 17 PEANUTS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X						Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

PEANUTS PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

GEORGIA-06G PEANUTS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

GEORGIA-09B PEANUTS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

LARIAT PEANUTS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

TAMNUT OL06 PEANUTS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

RADISH PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

CCS 779 RADISH

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

RICE PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

17AR1127 RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
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NO INFORMATION 07/31/2020

AHRENT RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
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1994	X					X	Unauthorized Propagation Prohibited-U.S. Protected Variety. PVPA 1994; Patent
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ANTONIO RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
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1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.
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AROMA 17 RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
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X							Unauthorized Propagation Prohibited - U.S. Variety Protection To Be Applied For. PVPA 1994. A utility patent application is also expected.
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CAFFEY RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
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1994	X						Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.
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* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

RICE PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

CATAHOULA RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X						Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

CHENIERE RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X		X	Unauthorized Propagation Prohibited-U.S. Protected Variety Specifying Seed of this Variety is to be sold by Variety Name Only as a Class of Certified Seed; PVPA 1994. Patented.

CL111 RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

CL131 RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X		X	Unauthorized Propagation Prohibited-To Be Sold By Variety Name Only as a Class of Certified Seed- U.S. Protected Variety; PVPA 1994

CL142-AR RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X						Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

RICE PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

CL151 RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

CL152 RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

CL153 RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

CL161 RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited-U.S. Protected Variety Specifying Seed of this Variety is to be sold by Variety Name Only as a Class of Certified Seed; PVPA 1994

CL162 RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

RICE PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

CL163 RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

CL171-AR RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X					X	Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994. Patented.

CL172 RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
	X						Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

CL181-AR RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X						Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

CL261 RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

RICE PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

CL271 RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

CL272 RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

CLEARFIELD XP4534 RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
						X	Patented (Patent #8,937,234)

CLL15 RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994		x					Unauthorized Propagation Prohibited - U.S. Variety Protection Applied For. PVPA 1994.

CLL16 RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994			X				Unauthorized Propagation Prohibited - U.S. Variety Protection To Be Applied For. PVPA 1994.

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

RICE PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

CLL17 RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
							UNKNOWN AS OF 1-15-2020

CLM04 RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994		x					Unauthorized Propagation Prohibited - U.S. Variety Protection Applied For. PVPA 1994.

COCODRIE RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X						UNAUTHORIZED PROPAGATION PROHIBITED, U.S. PROTECTED VARIETY. PVPA 1994

COLORADO RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

DELLA RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
NA							

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

RICE PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

DELLA-2 RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

DG263L RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
			X				Unauthorized Propagation Prohibited - U.S. Variety Protection To Be Applied For. PVPA 1994.

DIAMOND RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
	X					X	Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

FRANCIS RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X					X	UNAUTHORIZED PROPAGATION PROHIBITED; U.S. PROTECTED VARIETY. PVPA 1994; PATENTED

JASMINE 85 RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
NA							

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

RICE PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

JAZZMAN RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X						Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

JAZZMAN-2 RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X						Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

JEWEL RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
			X				Unauthorized Propagation Prohibited - U.S. Variety Protection To Be Applied For. PVPA 1994.

JUPITER RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited-To Be Sold By Variety Name Only as a Class of Certified Seed- U.S. Protected Variety; PVPA 1994

LAKAST RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X						Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

RICE PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

LYNX RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994			X				Unauthorized Propagation Prohibited - U.S. Variety Protection To Be Applied For. PVPA 1994. A Utility Patent will be filed.

MARTIN RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
			X				Unauthorized Propagation Prohibited - U.S. Variety Protection To Be Applied For. PVPA 1994. A utility patent application is also expected.

MERMENTAU RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X						Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

MM-14 RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)

MM17 RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
							PATENT PENDING

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

RICE PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

NEPTUNE RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
	X						Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

PIROGUE RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited-U.S. Protected Variety Specifying Seed of this Variety is to be sold by Variety Name Only as a Class of Certified Seed; PVPA 1994

PRESIDIO RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
							NA

PROGOLD1 RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994			X				Unauthorized Propagation Prohibited - U.S. Variety Protection To Be Applied For. PVPA 1994.

PROGOLD2 RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994			X				Unauthorized Propagation Prohibited - U.S. Variety Protection To Be Applied For. PVPA 1994.

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

RICE PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

PVL01 RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

PVL02 RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
		X		X			Unauthorized Propagation Prohibited - U.S. Variety Protection Applied For Specifying Seed of this Variety Is to be Sold By Variety Name Only as a Class of Certified Seed- PVPA 1994.

REX RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

ROY J RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X						Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

RU1701124 RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
							NO INFO 6-26-2018

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

RICE PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

RU9601099 RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
UNDECIDED 6-26-2018							

SIERRA RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
NA							

SIXTY SEVEN RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994			X	X			Unauthorized Propagation Prohibited - U.S. Variety Protection To Be Applied For Specifying Seed of this Variety Is to be Sold By Variety Name Only as a Class of Certified Seed- PVPA 1994.

TAGGART RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X					X	Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

TEMPLETON RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X					X	Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

RICE PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

THAD RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

TITAN RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
	X						Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

TRENASSE RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X					X	UNAUTHORIZED PROPAGATION PROHIBITED; U.S. PROTECTED VARIETY. PVPA 1994. PATENTED.

WELLS RICE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X					X	UNAUTHORIZED PROPAGATION PROHIBITED; U.S. PROTECTED VARIETY. PVPA 1994; PATENTED

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

SOYBEANS PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

ANAND SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)

G00-3209 SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
PATENT PENDING							

GLENN SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

HUTCHESON SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1970				X	X		

JAKE SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

SOYBEANS PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

MO4901D GT SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
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	LICENSE AGREEMENT REQUIRED; UNAUTHORIZED SALES PROHIBITED; PVP NOT ANTICIPATED; FARMER- SAVED SEED ALLOWED.
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OSAGE SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
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1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.
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OZARK SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
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NA	
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R07-2000 SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
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	A UTILITY PATENT WILL BE FILED.
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R07-2001 SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
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	A UTILITY PATENT WILL BE FILED.
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* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

SOYBEANS PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

R07-589 SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
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EXPERIMENTAL VARIETY

R08-4004 SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
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PATENTED (U.S. PATENT NUMBER
9,462,765)

R09-1589 SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
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A UTILITY PATENT WILL BE FILED.

R10-28 SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
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A UTILITY PATENT WILL BE FILED.

R11-328 SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
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EXPERIMENTAL VARIETY

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

SOYBEANS PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

R11-7999 SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
A UTILITY PATENT WILL BE FILED.							

R12-226 SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
EXPERIMENTAL VARIETY							

R12-712 SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
EXPERIMENTAL VARIETY							

R13-1019 SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
EXPERIMENTAL VARIETY							

R13-13433 SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
EXPERIMENTAL VARIETY							

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

SOYBEANS PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

R13-14635 SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
NO INFORMATION AS OF 07/24/2020							

R13-5029 SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
A UTILITY PATENT WILL BE FILED.							

R13-5174 SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
A UTILITY PATENT WILL BE FILED.							

R14-6450 SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
EXPERIMENTAL VARIETY							

R15-2422 SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
NO INFORMATION AS OF 07/24/2020							

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

SOYBEANS PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

R16-253 SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
NO INFORMATION AS OF 07/24/2020							

R16-259 SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
NO INFORMATION AS OF 07/24/2020							

RM-21464 SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
A UTILITY PATENT WILL BE FILED.							

S14-15138GT SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)

STODDARD SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

SOYBEANS PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

TARA SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X						Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

TYRONE SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

UA 4814C SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
							A UTILITY PATENT WILL BE FILED.

UA 4910 SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)

UA 5014C SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
							PATENTED (U.S. PATENT NUMBER 9,474,240)

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

SOYBEANS PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

UA 5115C SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
A UTILITY PATENT WILL BE FILED.							

UA 5213C SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
A UTILITY PATENT HAS BEEN FILED.							

UA 5414RR SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
X							A UTILITY PATENT HAS BEEN FILED (PATENT NUMBER 9,326,478). CAN ONLY BE SOLD AS FOUNDATION CLASS OR CERTIFIED CLASS.

UA 5612 SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
A UTILITY PATENT HAS BEEN FILED.							

UA 5615C SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

SOYBEANS PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

UA 5715GT SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
A UTILITY PATENT HAS BEEN FILED.							

UA 5814HP SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
A UTILITY PATENT WILL BE FILED.							

UA MULBERRY SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
A UTILITY PATENT WILL BE FILED.							

UARK-288 SOYBEANS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
EXPERIMENTAL VARIETY							

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

TRITICALE PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

2700 TRITICALE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994					X		PVP EXPIRED

342 TRITICALE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X						UNAUTHORIZED PROPAGATION PROHIBITED; U.S. PROTECTED VARIETY. PVPA 1994

618491724 TRITICALE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994		X					Unauthorized Propagation Prohibited - U.S. Variety Protection Applied For. PVPA 1994.

MONARCH TRITICALE

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X						Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

WHEAT PVP PROTECTION INFORMATION ***(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)**

November 5, 2020

111303W WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X						Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

111305W WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X						Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

25R32 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X						Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

25R40 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X						Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

26R10 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X						Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

WHEAT PVP PROTECTION INFORMATION ***(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)**

November 5, 2020

26R15 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X					X	UNAUTHORIZED PROPAGATION PROHIBITED; U.S. PROTECTED VARIETY. PVPA 1994; PATENTED

26R20 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X						Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

26R22 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X						UNAUTHORIZED PROPAGATION PROHIBITED; U.S. PROTECTED VARIETY. PVPA 1994; (PATENT PENDING)

26R24 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X						UNAUTHORIZED PROPAGATION PROHIBITED; U.S. PROTECTED VARIETY. PVPA 1994

26R36 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
	X					X	Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

WHEAT PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

26R41 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X						Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

26R45 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
	X					X	Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

26R53 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X						Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

26R59 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X						Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

26R87 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X						UNAUTHORIZED PROPAGATION PROHIBITED; U.S. PROTECTED VARIETY. PVPA 1994

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

WHEAT PVP PROTECTION INFORMATION ***(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)**

November 5, 2020

951079-2E31 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X						UNAUTHORIZED PROPAGATION PROHIBITED; U.S. PROTECTED VARIETY. PVPA 1994

AGS 2020 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X						Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

AGS 2026 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X						Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

AGS 2031 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
	X						Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

AGS 2035 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X						Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

WHEAT PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

AGS 2055 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

AGS 2060 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
	X						Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

AGS CL7 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

AR09137UC-17-2 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
							UNKNOWN AS OF 6-1-2020

ARCADIA WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

WHEAT PVP PROTECTION INFORMATION ***(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)**

November 5, 2020

ARMOR 3015 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited-To Be Sold By Variety Name Only as a Class of Certified Seed- U.S. Protected Variety; PVPA 1994

BALDWIN WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

BERETTA WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited-To Be Sold By Variety Name Only as a Class of Certified Seed- U.S. Protected Variety; PVPA 1994

BESS WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994							

BRANSON WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited-To Be Sold By Variety Name Only as a Class of Certified Seed- U.S. Protected Variety; PVPA 1994

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

WHEAT PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

COKER 9312 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited-To Be Sold By Variety Name Only as a Class of Certified Seed- U.S. Protected Variety; PVPA 1994

COKER 9375 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited-To Be Sold By Variety Name Only as a Class of Certified Seed- U.S. Protected Variety; PVPA 1994

COKER 9436 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

COKER 9511 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited-To Be Sold By Variety Name Only as a Class of Certified Seed- U.S. Protected Variety; PVPA 1994

COKER 9553 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited-To Be Sold By Variety Name Only as a Class of Certified Seed- U.S. Protected Variety; PVPA 1994

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

WHEAT PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

COKER 9663 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited-To Be Sold By Variety Name Only as a Class of Certified Seed- U.S. Protected Variety; PVPA 1994

COKER 9804 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

COOPER WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited-To Be Sold By Variety Name Only as a Class of Certified Seed- U.S. Protected Variety; PVPA 1994

DELTA GROW 1800 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994			X	X			Unauthorized Propagation Prohibited - U.S. Variety Protection To Be Applied For Specifying Seed of this Variety Is to be Sold By Variety Name Only as a Class of Certified Seed- PVPA 1994. A Utility Patent

DYNA-GRO 9811 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

WHEAT PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

GA 001138-8E36 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X						Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

GA04434-11E44 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
			X				Unauthorized Propagation Prohibited - U.S. Variety Protection To Be Applied For. PVPA 1994.

GA14E19 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
	X						Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

GA14E53 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994		X					Unauthorized Propagation Prohibited - U.S. Variety Protection Applied For. PVPA 1994.

HILLIARD WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

WHEAT PVP PROTECTION INFORMATION ***(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)**

November 5, 2020

JACKPOT WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

JAMESTOWN WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

KASKASKIA WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

LA02015 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X						Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

LA06146 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X						Unauthorized Propagation Prohibited - U.S. Variety Protection To Be Applied For. PVPA 1994.

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

WHEAT PVP PROTECTION INFORMATION ***(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)**

November 5, 2020

LA754 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X					X	Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

OAKES WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

OGLETHORPE WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

PANOLA WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited-To Be Sold By Variety Name Only as a Class of Certified Seed- U.S. Protected Variety; PVPA 1994

SAVOY WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

WHEAT PVP PROTECTION INFORMATION ***(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)**

November 5, 2020

SY 007 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

SY COLLINS WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

SY CYPRESS WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

SY HARRISON WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

SY MISKIN WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

WHEAT PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

SY VIPER WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

TAMSOFT 700 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

TRUMAN WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

TV8861 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X						Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.

USG 3555 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

WHEAT PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

W1377 WHEAT

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
1994	X			X			Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

ZOYSIA PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

ZEON ZOYSIA

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
						X	Patent Number: US PP13166 P2

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

ZOYSIA GRASS PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

CAVALIER ZOYSIA GRASS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
						X	PATENT - PP10,778 - TX A & M UNIV. Propagation Prohibited by Law.

CROWNE ZOYSIA GRASS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
						X	Crowne is a Patented Turfgrass, U.S. PP 11,570. Propagation Prohibited by Law.

DIAMOND ZOYSIA GRASS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
						X	Diamond is a Patented Turfgrass, U.S. PP 10,636. Propagation Prohibited by Law.

EL TORO ZOYSIA GRASS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
						X	El Toro is a Patented Turfgrass, U.S. PP 5,845. Propagation Prohibited by Law.

HIMENO ZOYSIA GRASS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
						X	Himeno is a Patented Turfgrass, U.S. PP 13,267. Propagation Prohibited by Law.

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

ZOYSIA GRASS PVP PROTECTION INFORMATION *

(FOR SOME CURRENT OR PAST VARIETIES IN THE SEED CERTIFICATION PROGRAM)

November 5, 2020

MEYER (Z-52) ZOYSIA GRASS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)

PALISADES ZOYSIA GRASS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
						X	PP 11,515 - MUST BE SOLD AS CERTIFIED GRASS BY A LICENSED GROWER - Palisades is a Patented Turfgrass, U.S. PP 11,515. Propagation Prohibited by Law.

ZORRO ZOYSIA GRASS

PVP YEAR	PVP GRANTED	PVP APPLIED FOR	PVP TO BE APPLIED FOR	PVP TITLE V	PVP EXPIRED	Patented (If Known)	PVP STATEMENT (& PATENT INFORMATION-IF KNOWN)
							Zorro is a Patented Turfgrass, Propagation Prohibited by Law.

* Note: Some varieties of certified seed may be covered under patents that apply to the seed's traits (such as herbicide resistance), whether or not the seed variety is patented. Patents on traits could limit your ability to save seed for your own planting and production.

Arkansas Department of Agriculture Seed Section Regulations



Circular 10

**REGULATIONS ON THE SALE
OF PLANTING SEED IN
ARKANSAS**

APPROVED AND ISSUED BY:

ARKANSAS STATE PLANT BOARD

**UNDER AUTHORITY OF A. C. A. 1987
SECTIONS 2-16-207 AND 2-16-209
REVISED JUNE 2014**

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REGULATIONS ON THE SALE OF PLANTING SEED IN ARKANSAS

As approved and effective **June 2014**. Address communications to **State Plant Board, 1 Natural Resources Drive, Little Rock, Arkansas 72205**.

THE SEED REGULATIONS

The seed regulations were made by the Plant Board under authority of Sections 2-16-207 and 2-16-209, A. C. A. 1987, given in the Appendix.

SECTION 1. DEFINITIONS. When used in these regulations;

A. The term "**person**" includes any individual, partnership, corporation, company, society, or association.

B. The term "**agricultural seed**" includes the seeds of grass, forage, cereal, and fiber crops and any other kinds of seeds commonly recognized within this state as agricultural seeds and mixtures of such seeds.

C. The term "**kind**" means one or more related species or sub-species which singly or collectively is known by one common name, for example, corn, wheat, alfalfa, and tall fescue.

D. The term "**variety**" means a subdivision of a kind characterized by growth, yield, plant, fruit, seed, or other characteristics by which it can be differentiated from other plants of the same kind.

E. The term "**lot**" means a definite quantity of seed identified by a lot number or other mark, every portion or bag of which is uniform within recognized tolerances for the factors which appear in the labeling.

F. The term "**hybrid seed corn**" as applied to field corn, means the first generation seed of a cross made under controlled conditions between different strains and involving two or more inbred lines of corn. For purposes of labeling, the number or other designations of hybrid corn shall be used as a variety name.

G. The term "**hybrid sorghum**" means the first generation hybrid produced by controlling the pollination between a male sterile line and a pollen restoring line. "**Controlling the pollination**" means to use a method of hybridization which will produce pure seed of hybrid grain sorghum which is at least 95 percent hybrid seed.

H. The term "***certified seed***", "***registered seed***", and "***foundation seed***" mean seed that has been produced and labeled in accordance with the procedures and in compliance with the rules and regulations of an officially recognized seed certifying agency or association.

I. The term "***weed seed***" includes the seeds, or structures normally considered as seeds of all plants generally recognized as weeds within this state and includes noxious weed seeds.

J. The term "***labeling***" includes all labels and other written, printed or graphic representations, in any manner whatsoever, accompanying and pertaining to any seed whether bulk, or in containers, and includes representations on invoices.

K. The term "***advertisement***" means all representations, other than those on the label, disseminated in any manner or by any means relating to seed within the scope of these regulations.

L. The term "***record***" includes all information relating to lot, identification, source, origin, variety, amount, processing, testing, labeling, and invoices with a lot number.

M. The term "***stop-sale***" means an administrative order restraining the sale, use, disposition, and movement of a definite amount of seed.

N. The term "***treated seed***" means seed that has been treated with a substance designed to control or repel plant disease organisms, insects, or other pests attacking such seed or plants therefrom, or will otherwise improve the planting value of the seed.

EXCEPTION: Fumigants or grain protectants that leave no residues toxic to warm-blooded animals (Synergized pyrethins) are not covered by these regulations.

O. The term "***registered seed technologist***" as applied in these regulations, means a seed technologist who has attained registered membership in the Society of Commercial Seed Technologists through qualifying tests and experiences as required by this society.

P. The term "***brand***" as used in these regulations, means a word, mark or picture representing a trademark or a term taken from a trademark, which indicates the owner, originator, or labeler of the seed and does not indicate the genetic identity of the seed.

SECTION 2. LICENSING--REPORTING--LABELING.

A. **Licensing.** Any person who sells, offers for sale, or distributes agricultural* seed for planting purposes within the state, or who sells or distributes agricultural seed into the state for planting purposes, shall have in force a valid license for such purpose from the State

Plant Board, and such seed shall be labeled in accordance with these regulations. Licenses shall be issued on an annual basis covering the period July 1 through June 30. Applications for securing a license may be obtained from the State Plant Board.

Note: 1. *Companies with subsidiaries with different names must have a separate license for each name (if seed labeled from that location is distributed into or within Arkansas).*

2. *Companies with subsidiaries with the same name may use their license to cover more than one location provided they have the ability to report seed sales into or within Arkansas for each location and accept responsibility for any fees or violations made at each location; however, companies with subsidiary locations that sell within or into Arkansas, agricultural seed for planting field crops such as rice, soybeans, and small grains, etc., must register each location and pay required registration fees. (See section 5: fees and services)*

EXCEPTIONS:

1. A license is not required for a person who offers for sale, sells, or distributes his own production of Arkansas certified seed which must be bagged and tagged. (Applies to Certified Seed Producers of 100 acres or less.)
2. A license is not required for a person who offers for sale, sells, or distributes only seed that has been sampled, tested, and for which labels have been completely printed by the State Plant Board.
3. A license is not required for a person who offers for sale, sells, or distributes only seed obtained from a licensed seedsman which is in full compliance with these regulations and on which the tonnage fee is paid by a licensed seedsman.

* Agricultural seed shall be considered to include, in addition to the kinds covered in the section on definitions, garden and lima bean, spinach, mustard, turnip and garden pea seed when in containers of 25 lbs. or more.

Failure of a Licensee to observe these regulations, file required reports, or pay fees required shall be grounds for cancellation of the license by the State Plant Board.

B. Tonnage Fees. All agricultural seed distributed or sold, whether in bulk or in containers, within or into Arkansas for planting purposes shall have a tonnage fee paid on it to the State Plant Board. (See Section 5. **Fees.**)

The tonnage fee shall be due on the total pounds of first sales distributions by the originating Licensee.

Exceptions:

1. In cases where a licensed Arkansas seedsman purchases or receives agricultural seed for planting purposes from a seedsman located outside the state of Arkansas, the tonnage

fee may be paid by either seedsman, but final responsibility rests with the Arkansas seedsman.

Subsequent sale by an additional licensee of seed on which the fee has been paid would not be subject to any further tonnage fees.

The tonnage fee may be paid by either the Permit Label System or by the Reporting System:

- 1. Permit Label System** All seed must be in containers. Bulk bags are not eligible to be used under the permit label system. Permit labels are purchased from the Plant Board and attached to each container. (See Section 5. **Fees.**)
- 2. Reporting System** Seed may be in containers, or in bulk, or both. A report is filed with the Plant Board, each quarter, on forms furnished by the Plant Board covering all seed sold within or into Arkansas, not carrying a Plant Board label. Reports and fees due shall be filed with the State Plant Board no later than 30 days following the end of each quarter.

1st quarter begins July 1 and ends September 30th. 2nd quarter begins October 1 and ends December 31st. 3rd quarter begins January 1 and ends March 31st. 4th quarter begins April 1 and ends June 30th.

Reports shall be filed each quarter, even if no seed sales occurred during the period being reported.

The Plant Board may assess a 10% additional charge for late reports.

Any person who sells, offers for sale or distributes agricultural seed for planting purposes within the state, or who sells or distributes agricultural seed into the state in containers only, has the option of using the Reporting System, as outlined above, or he may elect to purchase Arkansas permit labels and attach one to each container of such seed not previously accounted for by another Licensee. This option would be indicated at the time application is filed for a license.

In those cases where the seed of a Licensee who is using the reporting system requires a special permit label (non-certified cotton and sorghum for syrup, when labeled as to variety), then this seed shall be exempt from the quarterly seed report.

The State Plant Board or its representative is authorized to inspect the records, during normal business hours, of any person subject to compliance with these regulations.

C. Labeling. A label with the information listed below shall be on or attached to each container of agricultural seed for planting purposes, and if seed is in bulk the label shall accompany each sale, either on the invoice or on a separate sheet or tag, except that, in retail stores where sales are made from small open containers the label of the seed shall be openly displayed on each container instead of being given to the purchaser with each sale.

The label shall contain the following information, clearly legible in the English language, truly and correctly given:

- (1) The seedman's or vendor's name and address.
- (2) The kind and variety of seed, or if variety is not listed, so state "**Variety Not Stated.**" (Note: See Section 2. D for kinds required to be labeled by variety name.)
- (3) The Lot Number.
- (4) The state in which the seed was grown, or if unknown, a statement to that effect.
- (5) The year grown for certified cotton.
- (6) The percentage of pure seed.
- (7) The percentage of weed seed, including noxious weeds.
- (8) The percentage of other crop.
- (9) The percentage of inert matter.
- (10) The percentage of germination, exclusive of hard seed, and percentage of hard seed, if present.
- (11) The date the germination test was completed, given by month and year. The test is valid for nine months, not including the month the seed was tested.
- (12) Net weight of contents, with the exception of corn, which may be on the label or bag in the vicinity of the label.
- (13) Any tall fescue offered for sale in Arkansas, certified or non-certified, must have shown on the tag that the seed contains ryegrass, if any, and the amount given in percentage. If no ryegrass is found in the sample, the tag shall state, "No Ryegrass Found" (Note: Experiments have shown that if fescue seed contains as little as .5% ryegrass seed, the first year's crop may contain as much as 25% ryegrass heads).
- (14) Name and number of noxious weed seeds present per pound, or if none are present, a statement to that effect, the noxious weeds being as follows:
 1. Balloonvine (**Cardiospermum halicacabum**)
 2. Bermudagrass (**Cynodon dactylon**)
 3. Blueweed (**Helianthus ciliaris**)
 4. Buckhorn plantain (**Plantago lanceolata**)
 5. Cheat or Chess (**Bromus secalinus and/or Bromus commutatus**)
 6. Cocklebur (**Xanthium spp.**)
 7. Corncockle (**Agrostemma githago**)
 8. Crotalaria (**Crotalaria spp.**)
 9. Darnel (**Lolium temulentum**)
 10. Dock and/or Sorrel (**Rumex spp.**)
 11. Dodder (**Cuscuta spp.**)
 12. Field Bindweed (**Convolvulus arvensis**)

13. Giant Foxtail (**Setaria faberi**)
14. Hedge Bindweed (**Calystegia sepium**)
15. Horsenettle (**Solanum carolinense**)
16. Itchgrass (**Rottboellia cochinchinensis**)
17. Johnsongrass (**Sorghum halepense**)
18. Moonflower (**Ipomoea turbinata**)
19. Morningglory (**Ipomoea spp.**)
20. Nutgrass (**Cyperus rotundus**)
21. Purple nightshade (**Solanum elaeagnifolium**)
22. Wild onion and/or wild garlic (**Allium spp.**)
23. Serrated Tussock (**Nassella trichotoma**)
24. Barnyardgrass (**Echinochloa crusgalli**) Added Nov. '94
25. Tropical Soda Apple (**Solanum viarum**) Added Aug. '96

When found in rice, the following weeds shall, in addition, be classed as noxious and their presence must be indicated in accordance with the requirements for other noxious weeds: (a) red rice (**Oryza sativa var.**), (b) curly indigo (**Aeschynomene spp.**), (c) tall indigo or coffee bean (**Sesbania exaltata**).

D. Variety / Brand Labeling Requirements. In seed of **wheat, soybeans, rice and cotton**, the label must contain the commonly accepted name of the kind and variety of each agricultural seed component in excess of five percent of the whole and the percentage by weight of each. Variety identification is not required for wheat seed labeled "for cover crop".

The name of a kind and variety of seed and any descriptive terms pertaining thereto shall be correctly represented in any labeling of the seed. The name of each variety of agricultural or vegetable seed is the name determined in accordance with the following considerations:

Name of variety. The name of each variety of agricultural or vegetable seed is the name determined in accordance with the following considerations:

- (a) The variety name shall represent a subdivision of a kind, which is characterized by growth, plant, fruit, seed, or other characters by which it can be differentiated from other sorts of the same kind.
- (b) The name of a new variety shall be the name given by the originator or discoverer of the variety, except that in the event the originator or discoverer of a new unnamed variety, at the time seed of the variety is first introduced into channels of commerce of the United States for sale to the public, cannot or chooses not to name the variety, the name of the variety shall be the first name under which the seed is introduced into such commerce.
- (c) The variety name shall not be misleading. The same variety name shall not be assigned to more than one variety of the same kind of seed.

Labeling Brands:

When agricultural seed is labeled with a brand, trademark, or term taken from a brand or trademark, the seed label must clearly identify the term with the word “brand” and as being other than part of the variety name.

Example: When both a brand and a variety name are stated, the terms must be shown by stating the brand name, followed by the term “brand”.

For crops that can be sold as “variety not stated”, the seed must be labeled in the following order: The brand name, the word “brand”, the kind name and the words “variety not stated”.

E. Records and Test Data. Each person whose name appears on the label of seed sold or offered for sale in Arkansas for planting purposes shall have a complete analysis test made by a Registered Seed Technologist or an official State Seed Analyst. Such test record shall be kept for a period of two years and shall be accessible for inspection by the state seed law enforcement officer or his agent during customary business hours.

F. Analysis for Mixtures. If the seed consists of a mixture of two or more kinds of field seeds, the word "mixture" and the percentage of pure seed must be shown in the analysis for each kind that is present in the amount of over 5%. Also, for each kind present in the amount of over 5%, the percentage of germination of each (exclusive of hard seed) and the percentage of hard seed of each, if present, must be shown in the analysis.

G. Limitations on Amount of Weed Seeds. Agricultural seeds must not be sold for planting purposes which contain more than 2% by weight of weed seeds. EXCEPTIONS: Limit 4% for Lespedeza and Grasses.

H. Limitations on Amounts of Noxious Weeds. Agricultural seeds must not be sold for planting purposes which contain more than 300 of any one noxious weed per pound, or a combined total of 500 noxious weeds per pound, with the following exceptions:

1. Sale of seeds containing Field Bindweed, Crotalaria spp., Balloonvine, Itchgrass, Nutgrass, Serrated Tussock and Tropical Soda Apple in any amount whatsoever (no tolerance) is prohibited.
2. Sale of seed such as sorghum, vetch or small grains requiring at least 300 grams or more as shown in Section 4, Subsection C., Column 3, for a noxious weed examination, that contains more than 2 wild onion or wild garlic per pound is prohibited. Sale of seed such as sudangrass, clovers, or lespedezas requiring less than 300 grams for a noxious examination, that contain more than 18 wild

onion or wild garlic per pound, is prohibited.

When the original analysis used for tagging shows any wild onion or wild garlic present, a warning tag must be attached in addition to the analysis tag, said warning tag to be obtained from the Plant Board at cost, bearing the following statement: ***"This seed contains wild onion or wild garlic in the amount shown on the analysis tag. You are warned not to plant this seed where the land will be used to pasture dairy cattle, or where the land may hereafter be used to produce planting seed of any kind."***

3. Sale of seed containing more than 100 Johnsongrass seed per pound is prohibited. When the original analysis used for tagging shows any Johnsongrass present, a warning tag must be attached in addition to the analysis tag, said warning tag to be obtained from the Plant Board at cost, bearing the following statement: ***"This seed contains Johnsongrass in the amount shown on the analysis tag. You are warned not to plant this seed where you do not already have Johnsongrass, and it should not be used on land that hereafter may be used to produce planting seed, or on land which may hereafter be planted to row crops."***

4. Sale of rice seed for planting purposes containing more than 15 each of red rice, curly indigo, and tall indigo or coffee bean per pound is prohibited.

5. Bromus commutatus when present in smooth bromegrass shall not be considered as a noxious weed but as a common weed.

6. Sale of seed containing more than 3 cocklebur per pound is prohibited.

7. Barnyardgrass, ***Echinochloa crusgalli***, when present in Lespedeza, shall not be considered as a noxious weed, but as a common weed.

I. Treated Seed Must be Labeled. If seed has been chemically treated, each bag or container must be labeled bearing a true statement as follows: (The required information shall be in type no smaller than 8 point and may be on the tag bearing the analysis information or on a separate tag, or it may be printed in a conspicuous manner on a side or top of the container.)

1. The seed in this bag has been chemically treated. The chemical(s) is used in accordance with the manufacturer's recommendations.
2. Label is to show name of substance(s) used. The name of the substance will be the commonly accepted coined, chemical (generic) or abbreviated chemical name.
3. The appropriate toxicity category signal word shall be a part of the label. The signal word shall correspond to toxicity categories as set forth in the Title 40 Code of Federal Regulations.

TOXICITY CATEGORIES

Hazard Indicators

	I	II	III	IV
Oral LD ₅₀	Up to and including 50 mg/kg	From 50 thru 500 mg/kg	From 500 thru 5,000 mg/kg	Greater than 5,000 mg/kg
Inhalation LC ₅₀	Up to and including .2 mg/liter	From .2 thru 2 mg/liter	From 2 thru 20 mg/liter	Greater than 20 mg/liter
Dermal LD ₅₀	Up to and including 200 mg/kg	From 200 thru 2,000 mg/kg	From 2,000 thru 20,000 mg/kg	Greater than 20,000 mg/kg
Eye Effects	Corrosive: Corneal opacity not reversible with 7 days	Corneal opacity reversible within 7 days; irritation persisting for 7 days	No corneal opacity; irritation reversible within 7 days	No irritation
Skin Effects	Corrosive	Severe irritation at 72 hours	Moderate irritation at 72 hours	Mild or slight irritation at 72 hours

Signal Words

DANGER- Category I -- include Poison and Skull & Crossbones ("Poison" in red letters. Skull & Crossbones at least twice the size of the type used for information required on the label), except in the case of pesticides requiring the signal word, DANGER, because of skin and eye local effects.

WARNING- Category II

CAUTION- Category III and IV

4. Appropriate Precautionary Statement Worded Substantially as follows: **"Do not use for food", "Do not use for feed", "Do not use for oil purposes",** or "Do not use for food, feed, or oil purposes".

Cottonseed which has been treated with Disulfoton (Di-syston), Monocrotophos (Azodrin) or Phorate (Thimet) shall bear as part of the seed treatment label a warning statement taken from the Di-syston, Azodrin, or Thimet label indicating a possible reduction in germination or stand as a result of such treatment.

5. **It shall be illegal to sell, give away, or use treated seed for any purpose other than planting.** Treated seed for other than planting purposes shall be disposed of as specified by the appropriate State Agency.

J. Treating Plants Must be Licensed. All seed treating plants that treat seed in Arkansas must have a license from the State Plant Board. All licenses expire June 30 of each year and must be renewed. **The annual license fee shall be \$250.00.** All seed treated by such plants must be labeled as it is processed in accordance with Section (I) above. Farmers may treat their own planting seed with their own equipment without a license.

K. Seed Lots Must be Uniform. When one shipment of a lot is found to be mislabeled, other shipments from this same lot may be held under stop-sale until tags are corrected to conform with Plant Board findings, either based on results of the shipment originally found mislabeled, or from tests made on samples taken from each shipment.

L. Special Permit Labels Required for Non-Certified Cotton and Sweet Sorghums When Sold Under a Variety Name. When non-certified cotton or non-certified sweet sorghum seed commonly used for syrup purposes, is sold or offered for sale for planting purposes, under a variety name, each bag or container must carry a special permit label. These special permit labels will be issued after the applicant has given the requested information on an application form, furnished by the Plant Board, covering the lots to be sold under this provision, and if the information is satisfactory and is approved, special permit labels will be issued to cover each individual lot. "Exception: Those companies that have a licensed Plant Breeder, as stipulated in Circular 15, approved and registered with the State Plant Board for cotton and/or sweet sorghum, and who maintains a breeding program, are exempt from the requirements of obtaining and using the special permit labels on those varieties developed and distributed or sold by them in or into Arkansas. In this case the seed would either carry a regular Arkansas permit label or be accounted for under the reporting system."

M. Certified Rapeseed Must be Treated. All certified rapeseed being grown and/or sold in Arkansas must be treated with Benomyl, or Iprodione when approved, (or other registered and approved chemicals recognized to be equal to or greater than Benomyl or Iprodione in effective control of virulent Blackleg, *Leptosphaeria maculans*).

N. Re-labeling Test Date. The following information shall appear on a label for re-labeling seeds in their original containers:

- (a) The calendar month and year the test was completed to determine such percentage.
- (b) The same lot designation as on the original labels.
- (c) The identity of the labeling person if different from original labeler.

SECTION 3. EXCEPTIONS.

- A.** There shall be no exceptions for chemically treated seed.

B. These regulations shall not apply:

1. To untreated seed distributed, sold, or transported for food or feed purposes, and not distributed, sold or recommended for planting purposes, except that (1) small grains, corn and soybeans, when distributed, sold, or transported for other than planting purposes must be branded or tagged to indicate plainly that they are not for planting purposes, and (2) if seeds are tagged, branded, or otherwise marked to show a variety name or to indicate or suggest in any way that they are suitable for planting purposes, such seed are not exempt under this paragraph unless each bag or other container is plainly and conspicuously marked or tagged **"Not for Planting Purposes."**

NOTE: For rice, small grain and soybean seed where the purpose for which the seed is intended may be in question, all seeds advertised for sale in any manner, or as processed or tested or treated or offered at a price substantially higher than current market prices, shall be presumed to be offered for seeding purposes and subject to the labeling / licensing provisions of this chapter.

2. To seed sold by a farmer or grower to a seed dealer or processor, or in storage in, or consigned to, a seed cleaning or processing establishment for cleaning or processing; provided, that any labeling or other representation which may be made with respect to uncleaned seed shall be subject to the provisions of these regulations.

3. To any carrier in respect to any seed transported or delivered for transportation in the ordinary course of its business as a carrier, if such carrier is not engaged in producing, processing, or marketing agricultural seed.

C. Bermudagrass and Johnsongrass may be sold as agricultural seed for planting purposes in a pure state or in mixtures. Seed containing Bermudagrass or Johnsongrass in amounts of less than 5% may be sold, provided that a warning tag, obtained from the Plant Board, is attached to each bag, and provided that the number of these seeds per pound is shown on the analysis tag.

SECTION 4. SAMPLING AND ANALYZING SEED.

A. Sampling Seed in Bags:

- (a) To obtain a composite sample of a lot of seed:
- (1) For lots of six bags or less each bag shall be sampled.

- (2) For lots of more than six bags, sample five bags plus at least 10% of the number of bags in the lot. (Round off numbers with decimals to the nearest whole number raising .5 to the next whole number.) Regardless of the lot size it is not necessary that more than 30 bags be sampled. **Example:**

			No. bags in lot:				
7	10	23	50	100	200	300	400
			No. bags to sample:				
6	6	7	10	15	25	30	30

- (3) For inspection purposes open bags shall not be sampled except under circumstances where the identity of the seed has been preserved.
- (b) To obtain packet samples for uniformity:
In obtaining packet samples to test for uniformity, four bags shall be sampled from each 100 bags, or less, in the lot, and a composite made.
- (c) Samples retained by dealer:
Upon request of the dealer a portion of the official sample may be retained for his file, provided an approved mechanical divider is furnished for the Plant Board inspector. Samples will be sealed and properly identified by inspector.
- (d) **Sampling Bulk Seed.** Bulk seeds or screenings shall be sampled by inserting a long probe into the bulk as circumstances require in at least seven uniformly distributed parts of the quantity being sampled.

Size of Sample:

- (a) For composite sample to test for quality:

The following are minimum weights for samples of seed to be submitted for analysis or examination: (1) Two ounces (approximately 55 grams) of grass seed not otherwise mentioned in (2),(3), or (4) below, white or alsike clover, or seeds not larger than these. (2) Five ounces (approximately 150 grams) of red or crimson clover, alfalfa, lespedeza, ryegrass, bromegrass, flax, rape, or seeds of similar size. (3) One pound of sudangrass, proso, hemp or seeds of similar size. (4) Two pounds (approximately 1,000 grams) of sorghum, cereals, vetches, or seeds of similar or larger size.

B. If Plant Board is to print analysis on permit labels the sample must be drawn by a Plant Board inspector from cleaned and bagged seed. The Plant

Board will only print labels on seed with the variety stated and if not in conflict with other laws (PVP/Patent, etc.).

Note: A Declaration of Variety (Form DV-88) must be submitted before labels can be printed.

C. Amount of Seed to be analyzed in Determining Purity and Noxious Weeds in Seed Control Work: The amount of seed used in making analysis for percentage of purity and percentage of weed seeds must be in accordance with Column 2 of the subjoined table, and amount used in determining noxious weeds must be in accordance with Column 3.

Column 1	Column 2	Column 3
(a) Bermudagrass and seeds of similar size	1 gram	10 grams
(b) Orchardgrass and seeds of similar size	3 grams	30 grams
(c) Alfalfa, lespedezas, and seeds of similar size	5 grams	50 grams
(d) Crimson clover, and seeds of similar size	10 grams	100 grams
(e) Sudangrass and seed of similar size	25 grams	250 grams
(f) Sorghums and seed of similar size	50 grams	500 grams
(g) Vetch, cereals and seeds of similar size	100 grams	500 grams
(h) Soybeans and seeds of similar size	500 grams	500 grams

D. The noxious weed statement on the permit label or on the accompanying tag must be in terms of pounds and not in terms of ounces or grams. Only in case there are no noxious weed seeds found in the amounts of seed given in Column 3 can the statement "Noxious Weed Seeds -- None Per Pound" be used.

E. In seed control work, the Federal tolerances shall be applied for noxious weeds, purity, and germination, except (1) in the case of prohibited weeds for which no tolerance shall be allowed and (2) in the case of cocklebur for which a tolerance of one per pound is allowed. The number of noxious weeds in any case shall not exceed the maximum permitted.

SECTION 5. FEES AND SERVICES.

A. Explanation of Services:

1. **Regulatory Samples.** Samples which are drawn by the Plant Board in accordance with procedures as outlined in these Regulations. Samples are taken from seed that has already been labeled and is in the trade channels. The purpose of regulatory samples is to ensure that the seed has been correctly labeled (consumer protection).

2. **Service Samples.** Samples which are submitted to the Plant Board for testing. Information from test results may be used to label seed.

There are two kinds of service samples:

CERTIFIED SAMPLES - Samples which are produced from crops that are in the Certification Program. This seed was field inspected by the Plant Board and has met field standards. The samples must be taken by the Plant Board and must pass the strict standards of laboratory testing before being allowed to bear the official Arkansas Certified label.

NON-CERTIFIED SAMPLES Samples which do not meet the requirements under the Certification program. Samples may be submitted by the seedsman/farmer.

B. Explanation of Tests:

Complete Analysis (Comp) Consists of the determination of the % pure seed, % weed seed, % other crop, % inert matter, % germination, and the number and kind of noxious weeds found in the sample per pound. Samples which are under consideration for Certification are also tested for % moisture and varietal purity.

Germ Only (GO) Consists of the determination of the % germination.

Purity Only (PO) Same as a complete except the % germination is not determined.

Varietal Purity (VP) The determination of the presence of varietal contaminants. **(CERTIFIED SEED ONLY)**

Noxious Weed Exam (NWE) Consists of the determination of the number and kind of noxious weeds found in the sample per pound.

Red Rice Exam (RRE) Consists of the determination of the number of Red Rice found in the sample per pound.

C. Schedule of Fees:

1. **REGULATORY SAMPLES** -- There are no fees charged for regulatory samples unless copies of test results are requested, then fees are the same as for service samples.

2. SERVICE SAMPLES

	COMPLETE	PURITY OR GERM ONLY
ALFALFA	\$16.00	\$12.00
BAHIAGRASS	\$16.00	\$12.00
BARLEY	\$16.00	\$ 8.00
BEAN (garden & field)	\$16.00	\$ 8.00
BERMUDAGRASS	\$16.00	\$12.00
BLUEGRASS	\$16.00	\$12.00
BLUESTEM	\$50.00	\$40.00
CLOVER	\$16.00	\$12.00
CORN	\$16.00	\$ 8.00
COTTON	\$16.00	\$ 8.00
DALLISGRASS	\$16.00	\$12.00
FESCUE	\$16.00	\$12.00
JOHNSONGRASS	\$16.00	\$12.00
LESPEDEZA	\$16.00	\$12.00
LOVEGRASS	\$16.00	\$12.00
MILLET	\$16.00	\$12.00
MUSTARD	\$16.00	\$12.00
OATS	\$16.00	\$ 8.00
OKRA	\$16.00	\$ 8.00
PEAS (garden & field)	\$16.00	\$ 8.00
PEANUTS	\$16.00	\$ 8.00
RICE	\$16.00	\$ 8.00
RYE	\$16.00	\$ 8.00
RYEGRASS	\$16.00	\$12.00
SORGHUM	\$16.00	\$ 8.00
SOYBEANS	\$16.00	\$ 8.00

TURNIP/RAPE	\$16.00	\$12.00
VETCH	\$16.00	\$ 8.00
WHEAT	\$16.00	\$ 8.00
VEGETABLES	\$16.00	\$12.00

THE TESTING FEE FOR CROPS NOT LISTED WILL BE THE SAME AS A LISTED CROP WITH SIMILAR COMPLEXITY. CALL THE PLANT BOARD FOR EXACT FEE INFORMATION.

ANALYSIS FOR MIXTURES \$8.00 - will be charged for each additional component in a mixture.

TETRAZOLIUM TEST (TZ) \$15.00 - This is a chemical test that may give an estimate of the germination potential, usually within 24 hours from the receipt of the sample. THIS IS NOT AN OFFICIAL GERMINATION TEST AND MAY NOT BE USED TO LABEL SEED FOR GERMINATION.

VIGOR TEST \$12.00 - Seed vigor comprises those properties which determine the potential for rapid uniform emergence and development of normal seedlings under a wide range of field conditions.

Accelerated Aging (soybeans, wheat): Places seed under stress conditions of high temperature and humidity to estimate longevity of seed in warehouse storage and predict stand establishment.

Cool Test (cotton): Places seed under stress conditions of cool temperatures, simulating early planting conditions.

Complete Seedling Count (garden beans): Normal seedlings are classified as strong or weak based on presence of seedling structures.

VARIETAL TESTS \$12.00 - There are several aids which enable the analyst to determine, confirm, or group seed as to variety based on numerous tests.

PLEASE REFER TO THE LATEST ISSUE OF THE ARKANSAS CERTIFIED SEED DIRECTORY FOR CROPS WHICH ARE UNDER CONSIDERATION FOR CERTIFICATION FOR THE EXACT PROCEDURE OF CROP AND GRADE IN QUESTION.

Phenol Test (wheat): This is a chemical varietal test that groups varieties of wheat into several color reaction categories based on the genetic makeup of the variety.

Fluorescence Test (oats): When placed under an ultraviolet light, varieties of oats will either be fluorescent or non-fluorescent, based on the genetic makeup of the variety.

Hypocotyl Test (soybeans): Soybean seedlings will exhibit the pigmentation of the flower color of the variety when planted under strong

lighting conditions. The hypocotyl (stem) area of the seedling will remain green (white flower) or will turn purple (purple flower) within a few days of emergence.

SAMPLING FEE \$15.00 - A fee is charged for samples drawn by the Plant Board on non-certified seed. No fee is charged for samples under consideration for Certification, provided a representative sample is drawn.

HANDLING FEE \$3.00 - A fee is charged for samples that are picked up by the Plant Board on non-certified seed. No fee is charged for samples under consideration for Certification.

PRIORITY SAMPLES \$25.00 - A service provided to the seedsman/farmer which allows samples to be tested ahead of other samples in the lab. This fee is an addition to the fee for the test(s) requested.

PURITY FIRST \$1.00 - Upon request, a preliminary purity report will be given upon completion of the test.

ADDITIONAL ANALYSIS REPORTS \$1.00 - For each additional requested copy of the analysis report.

SERVICES NOT OTHERWISE MENTIONED Based upon need and ability, the Plant Board may elect to provide services for which fees have not been set. Fees charged will be based on recovering the reasonable and customary cost of services rendered.

3. INSPECTION FEES FOR SEED FOUND MISLABELED: If seed are found mislabeled, or required tags are not attached, or some other requirement not met, the seedsman whose permit label or number is attached or on the bags, or the seedsman who made the shipment, or the person to whom the notice was issued, may be required to pay to the Plant Board as an inspection fee the sum of **\$15.00**

4. License Fee - Tonnage Fee - Cost of Permit Labels:

- a) The annual fee for a **Seed Labeler's license** shall be **\$250.00**.
The annual fee for registration of a subsidiary location (distributing agricultural field-crop seed within or into Arkansas) shall be \$250.00.
- b) Persons using the Reporting System shall pay **10 cents** each hundred pounds of seed (Tonnage Fee).
- c) The cost of permit labels issued with only the seedsman's name, address, and permit number shall be **10 cents** each.
- d) The cost of permit labels completely printed for certified seed failing

to meet the standards shall be **10 cents** each.

- e) The cost of permit labels completely printed on all other seed shall be **10 cents** each.
- f) The annual fee for a **certification permit** for all applicants to certify seed shall be **\$100.00 on acreage of 100 acres or less**. Those applicants having a current and valid Seed Labeler's license shall be exempt from this requirement. Certification applicants with acreage greater than 100 acres are required to have a valid Seed Labeler's license. Each seedsman and/or retail facility participating in the Bulk Certified Seed Program must have in force a current Arkansas **Bulk Certification Permit** for each location where bulk certified seed will be sold. Records of production and sale of seed grown for certification may be inspected by the Plant Board or its representative during normal business hours. Any planting seed sold as noncertified shall comply fully with Subsection B of Section 2 of the Regulations.

Arkansas certified seed carrying official certification tags on each container, or sold on a bulk certificate, are not subject to the tonnage fee or required to carry an Arkansas permit label.

D. Disposition of Seed Found Mislabeled: Any seed held under a stop-sale notice shall not be removed from the premises or disposed of in any manner, until a written release has been given by the State Plant Board or an authorized agent thereof. The seedsman responsible for an intrastate shipment that is found to be mislabeled must submit an explanation including a complete record of the lot in question to the Plant Board. If the record is not deemed satisfactory then the seedsman shall be given a hearing by the Plant Board.

Any seed found to be seriously misrepresented or in serious violation of these regulations may be seized by the Plant Board as authorized by Section 2-16-209, Arkansas Stats. 1947. In lieu of destroying the seed as provided for in this section of the law, it may be given to some state or charitable institution.

Violations of the Federal Seed Act, that are to be referred to the United States Department of Agriculture, will be approved by the Director and reviewed by the seed Committee of the Plant Board.

SECTION 6. PROHIBITIONS SUMMARIZED:

The prohibitions listed below shall not invalidate any provisions of these regulations through omission or repetition, but shall be a supplement thereto.

No person shall:

- A.** Sell, offer, expose, distribute or transport agricultural seed not labeled in accordance with the provisions of the above rules and regulations, or having a false or misleading labeling;
- B.** Sell agricultural seed containing prohibited noxious weeds;
- C.** Sell agricultural seed containing more than 300 of any one noxious weed per pound, or a combined total of 500 noxious weeds per pound, including exceptions shown in Section 2, Sub-Section (G), and Section 3 (Sub-Section (B));
- D.** Sell agricultural seed containing more than 2% by weight of all weed seeds:
Exception - 4% in lespedezas and grasses;
- E.** Detach, alter, deface, or destroy any label required in these rules and regulations or alter or substitute seed in a manner that may defeat the purpose of these regulations;
- F.** Disseminate any false or misleading advertisement concerning agricultural seed in any manner or by any means;
- G.** Hinder or obstruct in any way any authorized agent of the State Plant Board in the performance of his duties;
- H.** Fail to comply with a "**stop-sale**" notice by the State Plant Board, or any authorized agent thereof, on agricultural seed sold, offered for sale, or exposed for sale; or to move or otherwise handle or dispose of any lot of seed held under a "**stop-sale**" notice except with the written permission of the State Plant Board, or an authorized agent thereof, and for the purpose specified thereby;
- I.** Fail to keep for a period of at least two years, after disposing of the lot, complete records of each lot of seed or make available for inspection such records to the State Plant Board or any authorized agent thereof;
- J.** Sell, offer, or expose for sale any seed labeled "**Certified Seed,**" "**Registered Seed,**" or "**Foundation Seed,**" unless it has been produced and labeled in compliance with the rules and regulations of an officially recognized seed-certifying agency or association;
- K.** Represent agricultural seeds which are indistinguishable by seed characteristics to be of a recognized variety, without having adequate information for such variety representation, such as that they were grown from certified seed on land free of volunteer plants that might effect the purity of the seed under consideration, and if a cross-pollinated crop, isolated so as to prevent cross-

pollination, and handled in harvesting, storing and processing so that the varietal purity and quality of the seed is maintained;

L. Use any qualifying, descriptive terms or the word **type** in connection with labeling recognized variety names of agricultural seeds;

M. Upon request of the Plant Board, any producer of hybrid corn or hybrid sorghum who wishes to offer his hybrid for sale in the state may be required to give the Plant Board a complete description of the characteristics, including the parental lines of each hybrid and a two-pound representative sample of each.

APPENDIX

Section 2-16-207, Ark. Stats, 1947. Duties of the Plant Board. The Board shall keep itself informed as to the varieties of insect pests, diseases, and noxious weeds, the origin, locality, nature and appearance thereof, the manner in which they are disseminated, and approved methods of treatment and eradication. Every such insect pest, disease, and noxious weed, and every plant and plant product infested or infected therewith is hereby declared to be a public nuisance.

The Board in its rules and regulations made pursuant to this act shall list the insect pests, diseases, and noxious weeds, of which it shall find that the introduction into, or the dissemination within the state should be prevented in order to safeguard the plants and plant products of this state, together with the plants and plant products or other substances on or in which these may be carried. Every person who has knowledge of the presence of any insect pest, disease, or noxious weed, listed as required by this section, in the rules and regulations made pursuant to this Act, in or upon any place, shall immediately report the same to the Board or inspectors thereof, giving such detailed information relative thereto as he may have. Every person who deals in or engages in the sale of plants or plant products shall furnish to the Board or its inspectors, when requested, a statement of the names and addresses of the persons from whom, and the localities where he purchased or obtained such plants and plant products.

Section 2-16-207 (C)(1). Rules. The Board shall, from time to time, make rules and regulations for carrying out the provisions and requirements of this Act, including rules and regulations under which its inspectors and other employees shall (a) inspect places, plants and plant products, and things and substances used or connected herewith, (b) investigate, control, eradicate, and prevent the dissemination of insect pests, diseases, and noxious weeds, and (c) supervise or cause the treatment, cutting and destruction of plants and plant products infected therewith.

2-16-207 (C) (2)

For the purpose of preventing fraud and misrepresentation the Board shall from time to time make rules and regulations governing the transportation, distribution, or sale of sorghum seed, hybrid corn seed and other seeds intended for planting purposes.

Section 2-16-209. Transportation - Permits. Transportation through or into, or transportation, distribution, or sale within the state of any insect pest, plant disease or noxious weed, or of any plant, plant product, or other substance, listed in the rules and regulations of the Board as required under 2-16-207, or of sorghum seed, hybrid corn seed, or other planting seeds for transportation, distribution, or sale of which the Board has made rules and regulations under this Act is hereby prohibited except under such safeguards as may be provided for in the rules and regulations of the Board. To cover expenses incident to inspection or treatment, or incident to the issuance of such permits or certificates as may be required by the Board's regulations made under this Act, the Board may require the payment of reasonable fees, which shall be deposited in the

manner prescribed by 2-16-210. to be used in carrying out the provisions of this Act. **Provided**, that the board is hereby empowered to require that a shipper who ships plants from another state into Arkansas must meet any and all requirements which the shipper's state would make of an Arkansas shipper who ships plants into that state.

Inspectors of the Board on issuance of a written notice may cause to be held or to be sent out of the state or to be destroyed, any plant, plant product, or any other substance which has been brought into or is being transported within the state in violation of any state or federal law or regulation, and may stop and detain for inspection any person, car or other carrier.

Section 2-16-203. Violation - Penalty. Any person who shall violate any provisions or requirements of this act, of the rules and regulations made, or any notice given, pursuant thereto, or who shall forge, counterfeit, deface, destroy, or wrongfully use, any certificate provided for in this act or in the rules and regulations made pursuant thereto, shall be deemed guilty of a misdemeanor, and upon conviction therefor, shall be punished by a fine of not more than one hundred dollars.

Circular 15

**OFFICIAL STANDARDS
FOR
SEED CERTIFICATION
IN
ARKANSAS**

APPROVED AND ISSUED BY:

ARKANSAS STATE PLANT BOARD

UNDER ACT 73 OF ACTS OF 1931
OF THE ARKANSAS LEGISLATURE
A. C. A. 1987 SECTIONS 2-18-101 - 2-18-108
REVISED MAY 2017

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OUTLINE OF STEPS TO FOLLOW IN CERTIFYING SEED

1. Write for regulations and application blank for the crop you want to certify. These are furnished by the Plant Board. Study these regulations carefully.
2. Secure approved source of seed. Check the regulation on this point.
3. Send completed application to Plant Board Office, Little Rock. Unless you use your own certified seed, be sure to include with your application a copy of the invoice showing purchase of the seed, a set of tags from one of the bags and about a one pound representative sample of the seed. Check the regulations for each crop as to time applications should be made.
4. Completely clean all planting equipment of other seeds and plant the seed for certification in a field which is relatively free of noxious weeds, and one which conforms to the regulations as to isolation from other crops and to crops grown on this field in previous years. Check the regulations on these points for the seed you are certifying.
5. Prior to the field inspection by the Plant Board, be sure to rogue your field of noxious weeds, other crops and off-type plants. This is a very important point and if the job is done well it may mean the difference of the seed being certified or disqualified.
6. Be sure to notify the Plant Board office about two weeks ahead of the expected harvest date so that the necessary field inspection can be made.
7. Completely clean all harvesting equipment and storage of all other seeds so that no mixture will occur at this point. The method of harvesting and the storage should be approved by the Plant Board (check the cotton regulations for special requirements as to ginning and storage of seed).
8. After harvest is completed, report to the Plant Board the number of bushels of seed saved for certification.
9. Keep a close check on the seed in storage to see that the moisture content is low enough to prevent heating. Before cleaning send in a representative sample for a preliminary test. This would not be an official test.
10. Use the best equipment available for cleaning and treating seed. **If you are using someone else's facilities to clean your seed, you may request that the Plant Board inspect the cleaning equipment just prior to the cleaning of your seed.**
11. New containers, approved reusable containers, or dedicated bulk bins must be used for seed that is for certification.
12. After the seed have been cleaned, notify the Plant Board and an official representative sample for an analysis and moisture test will be taken. This is the final step, and if the analysis conforms to the regulations, you are in line for tags or bulk certificates on your seed. Cottonseed may be officially sampled before being cleaned either in bulk or bags. (Note: only certified blue-tag grade may be sampled in the bulk and be eligible for tags or certificates.)
13. Tags and/or bulk certificates are issued when ordered by the applicant.
14. By carefully following the outline above you should not experience too much difficulty in getting your seed certified. If at any time you have questions or are in doubt about the next step to take, please feel free to contact the Plant Board office.

NOXIOUS WEEDS OF ARKANSAS

Every certified seed grower should know and learn to recognize the noxious weeds of the state. By knowing these weeds a certified seed grower is in a much better position to successfully rogue his fields, thus enabling him to conform more easily to the regulations. The noxious weeds of Arkansas are as follows:

1. Field Bindweed (**Convolvulus arvensis**)
2. Nutgrass (**Cyperus rotundus**)
3. Crotalaria (**Crotalaria spp.**)
4. Wild onion and/or wild garlic (**Allium spp.**)
5. Johnsongrass (**Sorghum halepense**)
6. Dodder (**Cuscuta spp.**)
7. Bermudagrass (**Cynodon dactylon**)
8. Cheat or Chess (**Bromus secalinus and/or Bromus commutatus**)
9. Darnel (**Lolium temulentum**)
10. Corncockle (**Agrostemma githago**)
11. Horsenettle (**Solanum carolinense**)
12. Purple nightshade (**Solanum elaeagnifolium**)
13. Buckhorn plantain (**Plantago lanceolata**)
14. Dock and/or Sorrel (**Rumex spp.**)
15. Blueweed (**Helianthus ciliaris**)
16. Morning Glory (**Ipomoea spp.**)
17. Hedge bindweed (**Calystegia sepium**)
18. Giant Foxtail (**Setaria faberi**)
19. Cocklebur (**Xanthium spp.**)
20. Moonflower (**Ipomoea turbinata**)
- *21. Balloonvine (**Cardiospermum halicacabum**)
- *22. Itchgrass (**Rottboellia cochinchinensis**)
- *23. Serrated Tussock (**Nassella trichotoma**)
24. Barnyardgrass (**Echinochloa crusgalli**)
- *25. Tropical Soda Apple (**Solanum viarum**)

*Prohibited in both Field Standards and Cleaned Seed Standards for all crops certified.

When found in rice, the following weeds shall, in addition, be classed as noxious, and their presence must be indicated in accordance with the requirements for other noxious weeds: (a) Red Rice (**Oryza sativa var.**), (b) Curly indigo (**Aeschynomene spp.**), (c) Tall indigo or coffee bean (**Sesbania macrocarpa**).

REQUIREMENTS FOR BECOMING A STATE LICENSED PLANT BREEDER

(A) Any person wishing to secure a license as a plant breeder shall first apply to the Board for a Qualification Data Sheet, which must be filled out in complete detail and returned to the Director, who shall place on file said data sheet and keep it available for reference at all times.

(B) Only such persons bearing a reputation for honesty, competency, and fair dealing will be favorably considered as applicants.

(C) In order to obtain a certificate as a state licensed plant breeder, all persons applying to the board for seed registration will be required to appear before the Director at a designated time and place, and stand a written examination on the scientific principles and economic phases of plant breeding, the questions to be made out and graded by the Agronomy Department, College of Agriculture and Home Economics, University of Arkansas.

(D) In case any person applied to the Board for a certificate who, operating a well established seed breeding unit regularly, has in his employment under contract (a copy of which must be furnished to the Director) one or more technically trained plant breeders, only the employed plant breeder shall take the examination. The certificate, if granted, shall be issued in the name of the applicant, but the name of the plant breeder passing the required examination must appear thereon.

(E) A grade of seventy-five will be considered a passing grade and any person making such a mark, or above, shall when he has complied with all other requirements, and produced a commercial quantity of Foundation or Registered seed, be issued a certificate as a licensed plant breeder, and be entitled to purchase a sufficient number of Foundation or Registered seed tags to cover the production of seed from the acreage that has passed all requirements.

(F) Provided, that in addition to passing the written examination the applicant shall maintain a breeding program which shall be under the observation of the Director for a period of three years, and if at the end of that time the methods used and the results obtained, are scientific and worthy, then the certificate shall be issued. Or provided, that the applicant shall employ one or more qualified plant breeders who shall have a Master's or Doctor's degree in plant breeding, and only the employed plant breeder shall take the examination, and as soon as a breeding program is started the certificate shall be issued. In addition to the name of the applicant the name of the breeder shall appear on the certificate. And provided that if for any reason the applicant's breeding program in any crop shall be discontinued then the certificate covering that crop shall be revoked. Also, any person having a doctorate degree in plant breeding and three years experience would not be required to take the examination.

(G) Any person passing the written examination or the field observations will not be required to pass an additional examination, unless the certificate should be revoked, or his crop should fail for a period to pass the necessary field inspection.

(H) Foundation seeds shall be produced only by a person holding a certificate from the Board, entitling said person to be officially designated as a licensed _____ breeder (name of crop to be inserted in blank as said person may qualify).

(I) Any person seeking a certificate as a producer of Foundation or Registered seed must own or control land necessary in the breeding and production of seed of high purity and excellence. If the said person does not own his land, it will be necessary to furnish the Director with copies of all contracts or their equivalent, showing actual possession of the land.

(J) All seed eligible for Foundation class and which is registered in the name of any person shall be his own or his employed plant breeder's selection, except that a licensed plant breeder may obtain Breeder seed of the crop for which he is licensed from another licensed plant breeder, or Agricultural Experiment Station, or the USDA, and produce Foundation seed from this material; provided he has written approval from the organization releasing the variety concerned. In emergency cases where there is no source of Foundation seed of a variety still in demand, any licensed plant breeder may be permitted to take the variety for purification, if necessary, and subsequently produce Foundation Seed.

1. Approval of new varieties: Those varieties (and hybrids) approved by the State Plant Board in cooperation with the Agricultural Experiment Station of the University of Arkansas will be eligible for certification. Approval shall be based on:

(a) The variety must possess superior germplasm. That is, the performance of the variety or hybrids in Experiment Station or other suitable tests (minimum of three years) is such that it will compare favorably with the varieties of the crop group now recommended by the University of Arkansas for commercial production in the state.

(b) Blends, varietal mixtures and mass crosses are not acceptable.

(c) Varieties produced under a recognized name outside of the state are not eligible for certification in the state under another name (same germplasm used).

(d) In addition to the above, the following conditions must be met:

(1) If the variety is a pure line selection, the variety or material from which the selection was made must be indicated.

(2) If the variety resulted from hybridization, the application must state who made the cross. If the line originated from a source other than the applicant's breeding nursery, a copy of written approval for use of the material from which the line was derived must accompany the application.

(3) The name must be satisfactory.

(4) The variety must be phenotypically different or possess some characteristics such as plant height, grain color, or disease resistance, etc., which will identify it from known varieties.

(5) The variety must be uniform in simply inherited plant and seed characters.

(K) Any licensed plant breeder may have produced for him, under contract and under his direct supervision, his Registered seed, provided that each unit under contract must comply with regulations specified hereafter under specific regulations of the various crops.

(L) No person who has been granted a certificate as a licensed plant breeder shall be allowed to advertise the fact without designating in all such advertising material the crop or crops that certificate is granted for.

GENERAL SEED CERTIFICATION STANDARDS

These general standards are applicable to all crops eligible for certification, and with the specific standards for each crop will constitute the Regulations for Seed Certification.

A. Type of Certifying Organization: The Arkansas State Plant Board under Act 73 of Acts 1931 of the state legislature is the official certifying agent.

B. Purpose of Certification: The purpose shall be to maintain and make available to the public, through seed certification, high quality seeds and propagating materials of superior crop plant varieties, so grown and distributed as to insure genetic identity and purity.

C. Eligibility of Crop Varieties for Certification:

1. Those varieties approved by the State Plant Board in cooperation with the Agricultural Experiment Station of the University of Arkansas will be eligible for certification. Only one variety of the same crop may be grown for certification on a farm, except on prior approval of the certifying agency.

2. The State Plant Board shall require the originator, developer, or owner of the variety, or agent thereof, to make the following available when eligibility for certification is requested:

- (a) The name of the variety.
- (b) A statement concerning the variety's origin and the breeding procedure used in its development.
- (c) A detailed description of the morphological, physiological, and other characteristics of the plants and seed that distinguish it from other varieties.
- (d) Evidence supporting the identity of the variety, such as comparative yield data, insect and disease resistance, or other factors supporting the identity of the variety.
- (e) A statement delineating the geographic area or areas of adaptation of the variety.
- (f) A statement of the plans and procedures for the maintenance of seed classes, including the number of generations through which the variety may be multiplied.
- (g) A description of the manner in which the variety is constituted when a particular cycle of reproduction or multiplication is specified.
- (h) Any additional restrictions on the variety, specified by the breeder, with respect to geographic area of seed production, age of stand or other factors affecting genetic purity.
- (i) A sample of seed representative of the variety as marketed.

3. Varieties may also be admitted into seed certification after favorable action by one or more of the following:

- 1) National Certified Variety Review Board
- 2) Plant Variety Protection Office (must also include information listed in C. 2- e, f, g, h, and i above)
- 3) AOSCA member agency
- 4) Varieties eligible for certification under O.E.C.D. Seed Schemes

D. Classes of Certified Seed and Definition of Terms: Four classes of seed shall be recognized for seed certification. These classes shall meet the specific requirements approved for each crop. These classes are as follows:

1. Breeder Seed (A class reserved for licensed plant breeders). Breeder seed shall be seed directly controlled by the originator, or in certain cases, the sponsoring plant breeder, which is used in developing and maintaining a variety, and is never available to the public for general use. Breeder seed is used for the production of Foundation, Registered or Certified Seed. If Breeder seed is to be tagged, it must be tagged with a white tag labeled "Breeder Seed".

2. Foundation Seed. Foundation seed shall be the progeny of Breeder (or Foundation) seed so handled as to most nearly maintain specific genetic identity and purity of the variety as described by the breeder in its approved release and/or as described in the registration of the variety as approved by the National Committee on Registration of Crop Varieties, and meets the standards approved for this class. Foundation seed shall be produced only by or under the direct supervision of a licensed plant breeder. White tags shall be used to designate this class.

3. Registered Seed. Registered seed shall be the progeny of Foundation seed that is so handled as to maintain satisfactory genetic identity and purity, and meets the standards established for this class by the certifying agency. Purple tags shall be used to designate this class.

4. Certified Seed (Blue Tag). Certified Blue Tag class seed shall be produced from either Foundation or Registered class seed that has been so handled that it meets the standards established for this class. A blue tag or label shall be used to designate this class.

Note: At the discretion of the certifying agency a grower may be permitted to continue production of seed for certification from lots of seed that were fully inspected but rejected because of factors which did not involve genetic identity and purity of germplasm.

5. Off-type. Off-type means a plant or seed which deviates in one or more characteristics from the description filed with the certifying agency by the breeder as being usual for the strain or variety.

E. Limitation of Generations for Certified Seed: The number of generations through which a variety may be multiplied shall be limited to that specified by the originating breeder or owner and shall not exceed two generations beyond the Foundation seed class with the following exceptions which may be made with the permission of the originating or sponsoring plant breeder, institution, or the designee:

1. Recertification of the Certified class may be permitted when no Foundation is being maintained.

2. The production of an additional generation of the Certified class may be permitted on a 1-year basis only, when an emergency is declared prior to the planting season by the State Plant Board, stating that the Foundation and Registered seed supplies are not adequate to plant the needed Certified acreage of the variety. The additional generation of Certified seed to meet the emergency need is ineligible for recertification.

F. Establishing Source of Seed: Any person applying for certification on a crop planted from seed other than his own production, must submit with his application, a copy of purchase invoice with identity, or other documentary evidence to provide source, quantity, and class of seed planted. If application covers seed of own production, the applicant shall identify the lot number, quantity and class of seed being planted.

G. Application:

A. The State Plant Board will furnish application blanks for certifying seed. The dates for filing applications on the various crops are as follows:

Small Grains (oats, wheat, rye, barley)	April 1
Red, white and crimson clover and watermelons	April 20
Rapeseed and Eastern Gamagrass	May 1
Fescue, vetch and okra	May 15
Corn	June 1
Rice, cotton, peanuts, lespedeza and cowpeas	July 1
Soybeans	August 15
Sorghum	September 1

B. The State Plant Board will furnish application blanks for certifying vegetatively propagated turfgrass applications. The date for filing applications is March 1st.

Applications should be made on or before the above dates. Late applications may be accepted provided they can be processed and the inspection made without jeopardizing the handling of those applications filed prior to the deadline date. The fee for late applications will be an additional \$50.00 for each variety applied on. The applicant must have in force a valid Seed Labeler’s License or Certification Permit (**Refer to Circular 10: Regulations on the Sale of Planting Seed in Arkansas, Section 5. Fees.**)

H. Fees: The application fee and the acreage inspection fee shall be paid at the time the application is filed for all crops except cotton. The acreage inspection fee on cotton shall be paid prior to the time the field inspection is made.

1. The application fee for all seed crops for each variety shall be \$20.00 and the acreage inspection fee shall be \$1.50 per acre for all crops, except rice, which shall be \$2.25 per acre.

(a) An additional ten cents per acre shall be paid in advance on each acre of certified seed with each application. These fees shall be remitted through the Arkansas Seed Growers and Seed Dealers’ Associations to the Arkansas Seed Council for promotion and advertising purposes for Arkansas certified seed.

(b) Promotion and advertising fee needs shall be reviewed annually by the Plant Board and adjusted if necessary at the request of the Arkansas Seed Dealers and Seed Growers Associations after a public hearing.

2. (a) Tags/Labels:
 Printed pressure-sensitive labels.....10 cents each
 Printed pressure-sensitive labels for

approved reusable bulk containers.....8 cents/50 lbs.

Unprinted tags and labels may be purchased at one-half the price of printed tags/labels when ordered in quantities of 5,000 or more. No refunds will be made for unused tags/labels.

(b) Blue Tag Bags/Approved New or Reusable Containers:

Those applicants equipped and approved to label Blue Tag Class seed on the containers shall report the amount in each lot so labeled.

Blue Tag Bags.....8 cents/bag

Approved New or Reusable containers:

Rigid Mini-bulk Containers.....8 cents/50 lbs.

Flexible Mini-bulk Containers (Superbags).....8 cents/bushel

(c) Bulk Certificates:

Those applicants selling crops eligible for bulk certification shall report the amount of each lot sold on bulk certificates and pay 8 cents/bushel.

Bulk Certificate forms (used for all sales including a movement of the seed)....\$0.25 each.

3. Extra Inspections: When an extra inspection is necessary because of findings of a previous inspection, the fees are as follows:

- a)
 1. Seed treating equipment only - \$7.50 for each trip.
 2. Seed processing plant or other similar inspections - \$15.00 for each trip.
 3. Isolation - \$25.00 for each field/trip.

On inspections requiring more than 2 hours, \$10.00 per hour will be charged for each additional hour.

- b) Fields failing inspection - no more than 2 re-inspections will be made: the 1st reinspection will be charged one half the acreage inspection fee for the crop kind per acre reinspected; the 2nd reinspection would be the same as the acreage fee per acre for that crop.

4. Annual License Fee for a Registered Seed Technologist to analyze seed of designated crops for Certification in Arkansas-\$25.00.

5. Fees for Vegetatively propagated turfgrasses:

Application Fee: \$20.00 for each variety.

Pre-plant inspections (to determine if meets land requirements):

- a) Pre-plant inspection: \$25.00 per field per trip
- b) If field fails pre-plant inspection and re-inspection is necessary, re-inspection fees are \$50 per field per trip.

Acreage Inspection fees: \$500.00 for the first ten acres and \$12.00 per acre for each additional acre. This includes the three required inspections* and official numbered certificates required for each shipment of certified sod, sprigs or plugs.

*Any re-inspections necessary between regularly scheduled inspections will be conducted at \$50 per field per trip.

I. Production of Seed:

1. **Maintenance of Genetic Purity and Identity.** The applicant for certification shall be responsible

for maintaining genetic purity and identity at all stages of certification, including seeding, harvesting, storage, processing and labeling of the seed. Failure of the applicant to maintain genetic purity and identity at any stage of certification shall be cause for rejection of the crop for certification.

2. **Unit of Certification.** The unit of certification shall be a clearly defined field or fields.

3. **Roguing Fields.** Prior to the field inspection, applicants should rogue and remove from their fields noxious weeds, off-type plants, varietal mixtures and any other plants, the seeds of which are inseparable from the crop being certified. Where extra inspections are requested, an additional charge will be made (see section 3, under Fees).

4. **Field Inspections.** One or more field inspections will be made as is deemed necessary by the certifying agency. Field inspections will be made during a period when genetic purity and identity can best be determined. Fields must be inspected prior to any treatment used for drying or any action taken that would hinder a proper field inspection for variety and/or weed identification. All fields must show signs of good management and be clean enough to permit inspectors to make complete observation of the crop being certified. Applicant shall have someone available to show the inspector the fields that are to be checked.

J. Cleaning Equipment: It is the applicant's responsibility to make sure that all seeders, drills, wagons, trucks, harvesters, cleaners, bins, etc., are thoroughly cleaned of other seeds. The applicant may, before starting to clean seed, secure the Board's approval of the cleaning equipment. (See FEE section for the cost(s) of this optional service.)

K. Storage and Storage Inspection:

1. Seed must be stored in dry, well-ventilated waterproof buildings accessible for inspection. If in bulk, it must be separated from any other bulk seed by tight walls which will in no way permit mixing. This applies to different strains or classes of the same variety.

2. At least one storage inspection will be made by a representative of the State Plant Board at such a time as is deemed most appropriate by the certifying agency.

L. Processing of Seed:

1. The following requirements must be met by processors of all classes of certified seed:
 - (a) Facilities shall be available to perform processing without introducing admixtures.
 - (b) Identity of the seed must be maintained at all times.
 - (c) Records of all operations relating to certification shall be complete and adequate to account for all incoming seed and final disposition of seed.
 - (d) Processors shall permit inspection by the certifying agency of all records pertaining to all classes of certified seed.
 - (e) Processors shall designate an individual who shall be responsible to the certifying agency for performing such duties as may be required by the certifying agency.
 - (f) Seed lots of the same variety and class may be blended and the class retained. If lots of different classes are blended, the lowest class shall be applied to the resultant blend. Such blending can only be done when authorized by the State Plant Board.
 - (g) 1. All seed approved for certification must be packed in new containers or approved reusable containers as indicated below.

Foundation Class:

- a) New flexible mini-bulk (superbag) containers. Note: Lot size for

Foundation class crops packed in these containers is limited to 1,500 bushels per lot.

Registered Class:

- a) New flexible mini-bulk (superbags) or rigid mini-bulk containers (as approved by the Plant Board Seed Division) for all crops.

Note: Lot size for registered class crops packed in these containers is limited to 3,000 bushels per lot.

Blue tag Class approved reusable containers are the following:

- a) Rigid Mini-bulk containers, (as approved by the Plant Board Seed Division,) for soybeans, rice or wheat.
- b) Flexible Mini-bulk containers (Superbags - new or cleaned) for soybeans, rice or wheat.

2. Blue-tag Class wheat may be sold in bulk (see Section P).

(h) New moisture tests are not required on lots after treatment (with fungicides, etc.) if the lot met the standards for moisture when sampled for complete analysis before treatment.

2. Bulk Transfers:

Seed eligible for certification may be sold from one seedsman to another while in bulk, provided, that the identity of the seed has been maintained at all times and that the appropriate documents have accompanied the shipment. Contact the Plant Board for specific instructions.

Inspectors shall make random checks to see that the seed is being properly handled.

Note: See special requirement for processing cottonseed under regulations for cotton.

M. Sampling: An official sample of each lot of seed to be certified shall be obtained by a representative of the State Plant Board, at the request of the applicant, from those lots that are so stored that a complete representative sample may be drawn. These samples will be drawn according to the rules of the Association of Official Seed Analysts. These samples, if used as a basis for approving lots for certification, shall be taken only from lots that have been cleaned, assigned a class, and packed in approved containers, each of which is printed or stenciled to show the lot number, except that, all classes of cottonseed may be sampled in bulk, and Blue Tag Class seed of all other crops may be sampled in bulk provided the seed has been cleaned and graded.

In order to secure a representative sample, equal portions shall be taken from evenly distributed parts of the quantity of seed to be sampled. Access shall be had to all parts of that quantity. When more than one trierful of seed is drawn from a bag, different paths shall be followed. When more than one handful is taken from a bag, the handfuls shall be taken from well-separated points. Sampling of seed for certification shall be accomplished by one of the following approved sampling methods:

1. If seed is sampled after processing and closing of bags, a probe or trier long enough to sample all portions should be used for free flowing seed. Non-free flowing seed, such as certain grasses and other seeds difficult to sample with probe or trier, shall be sampled by thrusting the hand into the bag and withdrawing representative portions.

When sampling closed bags in quantities of one to six bags, sample each bag and take a total of at least five trierfuls or handfuls. For lots of more than six bags, sample five bags plus at least 10% of the number of bags in the lot. Regardless of lot size, it is not necessary to sample more than thirty bags.

2. If seed is sampled in bulk it shall be sampled by automatic sampler, turning the bin, or inserting a long probe or thrusting the hand into the bulk as circumstances require in at least seven uniformly distributed parts of the quantity being sampled. At least as many trierfuls or handfuls shall be taken as the minimum which would be required for the same quantity of seed in bags of a size customarily used for each seed.

N. Laboratory Analysis: An official laboratory analysis will be made by the State Plant Board Laboratory. Also, a Registered Seed Technologist approved and licensed by the State Plant Board may run an official analysis on seed for certification of designated crops only. These analyses will be conducted according to the rules of the Association of Official Seed Analysts, and will be made from samples obtained by State Plant Board Inspectors. The sample on which the purity analysis and noxious weed seed examination is made will not be less than the minimum weights for working samples required by the State Plant Board's certification regulations for the grade and kind of seed. Confirmation tests will be made by the State Plant Board on samples tested by a licensed Registered Seed Technologist and used as a basis for labeling seed for certification. Such confirmation tests must show that the seed is truthfully labeled and meets the minimum standards for the class and kind of seed.

O. Tags and Labels for Approved Containers:

All classes of certified seed, when offered for sale, shall have an official certification label affixed to each container, clearly identifying the certifying agency, the reference number, the kind and variety name, and class of seed. Chemically treated seed shall be labeled to comply with the seed laws.

1. Traditional Containers: Each container of certified seed, when sold or offered for sale, shall bear a certification label obtained from the Plant Board, or an approved label, carrying a complete analysis of the seed and all required labeling.

2. Mini-bulk Containers (such as the flexible or rigid containers as listed in section L.(g): During conditioning, each bag will be labeled with kind, variety and lot number. When offered for sale or sold, each container shall bear a certification label with all required labeling. The weight may be left blank when labels are printed and written in ink on each label. (Seedsmen who have equipment allowing equal weight in each bag of a lot, may use labels with weight printed in.)

3. Blue-tag Bags/Preprinted labels: Labeling for Blue Tag class seed may be imprinted directly on the container in lieu of using tags. In this case the Blue Tag class certification label may be printed on the container at the factory. Orders for containers printed in this manner shall be filed with the Plant Board for prior approval before being printed. Each applicant is responsible for seeing that his certified seed is correctly bagged and labeled. Tags will be issued and orders for pre-printed containers will be approved on orders from the applicant only.

An applicant has the option of having the Plant Board print the complete analysis on the certification tag, or he may have the tags issued showing his permit number or other identification numbers, or if equipped and approved may label the containers for Blue Tag Class seed in lieu of using tags. In cases where the applicant completely prints his tags or labels, he shall furnish the Plant Board a true copy of a specimen tag or label for each lot so labeled and when labeled. In no case can the analysis used be below the minimum standards established for the class and crop being certified. The Plant Board will make

periodic checks and/or audits to verify the correct use and disposition of certified tags, pre-printed containers, and other labeling used.

4. Labeling Seed for Contract Producers: When an applicant for certification has contract producers under his own application, and the seed furnished these contract producers was grown by the applicant, or furnished from any other source, then such seed shall be identified with a lot number on each container, if bagged, and shall be truly represented as to purity and germination with a complete analysis affixed to each container or to the delivery ticket.

5. Securing Labels: Certification labels other than those printed on the containers shall be attached to containers in a manner which prevents easy removal and re-attachment.

(a) With fabric bags or open top paper bags, it is recommended that the tag be sewn on, or in the top of the bag.

(b) With valve filled paper bags and plastic bags or containers (including metal), it is recommended that the label be glued to the container with an adhesive which prevents removal without destroying the label.

(c) Closing of paper, plastic, and metal containers will vary. The most satisfactory method is that of cementing the closure with an adhesive (glue, pressure sensitive, thermo-plastic, etc.), which prevents entry to the container without leaving noticeable evidence of such tampering. Cementing the certification label over the enclosure is recommended where practical.

(d) Special stapling devices may be used to seal the package and attach the certification label. Any such staple should be unique to certification, with a distinctive design or lettering. Ordinary stapling devices are not recommended, but may be used.

(e) "Valve filled" paper bags shall be considered adequately closed and sufficiently tamper-proof.

(f) Mini-bulk Containers (such as the flexible or rigid containers as listed in section L. (g): After filled and sampled for class, bag shall be sealed with a seal. Before shipping and after approval for class, the label will be attached and sealed to prevent removal.

P. Certification of Seed in Bulk:

Seed eligible for bulk certification shall meet all field and clean seed standards for certified seed as specified in these regulations. All rules for production, conditioning, and testing of certified seed shall apply, except that seed does not have to be in bags.

1. Limitations:

a. **Only seed of wheat may be certified in bulk.**

b. Certification of seed in the bulk shall be limited to the certified (BT) class.

c. Lots are limited to the size of the bin.

d. Seed certified in the bulk and sold in the bulk shall not be eligible for recertification.

e. If any seed is bagged out of a dedicated bulk bin after conditioning and

sampling for certified class of the bulk lot is completed, a voided bulk certificate for the amount bagged must be sent to the certification office. (Reminder- Certified labels on bagged seed must have originating certified grower's certification #.)

- f. **Bulk sales shall be limited to a maximum of two movements:**
- 1) from applicant producer to an approved retailer or consumer.
 - 2) from approved retailer directly to the consumer who will plant the seed.
- (Form 24 Bulk transfers of seed between certified growers/seedsman are unlimited.)

2. Application for bulk certification:

- a. In order for a seedsman/producer or retail facility to sell bulk certified seed, an application for bulk certification and order for bulk certificates must be made to the Arkansas State Plant Board Seed Certification office, no later than December 15th for wheat.
Retail Seed Facilities that are not certified producers/dealers must secure approval from the Arkansas State Plant Board. Application for a retail facility to sell bulk certified seed from their facility will be approved after the applicant's storage has been inspected and acceptable procedures for receiving, storing, dispensing and record keeping for maintaining identity of the seed have been demonstrated.
- b. Each seedsman and/or retail seed facility must have in force a current Arkansas Bulk Certification Permit for each location where bulk seed will be sold. Each facility will be subject to inspection by the Plant Board to assure acceptable procedures are being used in handling, storing, dispensing and record keeping for maintaining identity of bulk certified seed. **The Bulk Certification Permit fee is \$10.00 for each Retail location.**
- c. Justified complaints from inspectors and/or consumers of bulk certified seed will be handled through the civil penalty enforcement process and/or arbitration.

3. Storage Requirements:

- a. A separate storage bin must be available for each variety that will be sold in bulk.
- 1) Lots purchased from other certified dealer/producers must be maintained as separate lots.
- b. All bins must be clearly and prominently marked to show crop and variety. The identity of all bulk lots (bin designations and lot numbers) must be maintained until the entire lot is disposed of.
- c. Storage must be such that genetic purity and identity can be maintained. All bins must be constructed so that bin openings can be kept closed to prevent contamination.

4. Records/Bulk Certificate Fees:

- a. The serially numbered bulk certified seed certificate takes the place of the certified seed tag. The buyer must receive a certificate for each load of bulk certified seed. The required labeling information of the seed sold will be pre-

printed on the certificates or written in ink on the bulk certificate at the time of the sale. A copy of the certificate and any voided certificate must be returned to the seed certification office at the end of the season.

Bulk Certificates (used for all sales including a movement of the seed) from a Certified Dealer/Producer to a Bulk Retail Facility or farmer will cost \$0.25 each.

Copies of bulk certificates and a fee of \$0.08 per bushel for the total amount sold as bulk certified shall be returned to the certification office at the end of each crop season (Jan. 15th for wheat).

- b. The following records must be maintained:
 - The amount of seed grown, conditioned or purchased for bulk sale.
 - The amount of bulk seed sold by variety and lot number.
 - Current inventory of seed available for sale of each variety.

At the end of each crop season (Jan. 15 for wheat), a bulk certified sales summary for each variety and lot number shall be sent to the Certification office regarding all sales of bulk certified seed. Copies of retail certificates used as well as all unused certificates shall be returned at this time.

- 5. Sampling:
 - a. Official samples for complete test must be drawn from the cleaned seed after conditioning and/or treating. After the official sample is taken, no additional seed may be added to the lot.

Q. Sale of Seed: Certified seed of any crop cannot be sold as such, under any class, until the seed has been properly cleaned, assigned a class, packed in approved containers, with tags/labels or (for seed allowed to be sold in bulk) accompanied with a bulk certificate.

R. Substandard Seed in Emergencies: It is recognized that in an emergency, such as unfavorable weather conditions, much seed necessary for the advancement of crop improvement would be lost if regular certification standards are adhered to. Therefore, under such circumstances, seed failing to meet certification standards other than those affecting genetic purity may be certified, provided there is no injury to the reputation of certified seed.

S. Interagency Certification: Interagency Certification may be accomplished by participation of more than one official certifying agency in performing the services required to certify a lot of seed.

1. Arkansas Certification Standards, or comparable standards of other official seed certifying agencies must be met if the State Plant Board is to issue interagency certification tags. This includes the requirement that all certified seed to be tagged by the State Plant board must be analyzed by the State Plant Board Seed Laboratory.

2. Seed to be recognized for interagency certification must be received in containers carrying official certification labels, or if shipped for processing, evidence of its eligibility from another official certifying agency, together with the following information:

- (a) Variety (if certified as to variety), and kind.
- (b) Quantity of seed (pounds or bushels).
- (c) Class of certified seed.
- (d) Inspection or lot number traceable to the previous certifying agency's records.

3. Each label used in interagency certification shall be serially numbered, or carry the certification identity number and clearly identify the certifying agencies involved and the variety (if certified as to variety), kind and class of certified seed.

T. Responsibilities:

1. Responsibility for any obligations, other than those concerned with certification, arising from the sale or shipment of seed which has been certified rests with the grower or subsequent handler making the sale or shipment.

2. Performance of the applicant's seed must closely approach any advertised claims.

3. If the applicant cannot give personal supervision to all operations, a competent and careful person should be put in charge, who thoroughly understands the requirements for certified seed production. No exceptions can be made for failure of applicant to follow regulations either through neglect or of failure to understand them.

U. Special Crops Those crops, if accepted for certification, for which no standards appear in this publication, will be certified on the basis of the minimum standards established by the Association of Official Seed Certifying Agencies.

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STANDARDS FOR CERTIFICATION OF CRIMSON CLOVER

A. The general seed certification standards are basic, and together with the following specific standards, shall constitute the regulation for the certification of crimson clover.

1. Reseeding types of crimson clover, before being certified, will have to be proven to reseed under Arkansas conditions.

B. Land Requirements:

1. A crop of the same kind must not have been grown or planted on the land for 5, 3 and 2 years prior to stand establishment for producing the Foundation, Registered and Certified seed classes respectively.

2. The land must be free of volunteer plants during the year immediately prior to establishment; however, reseeding varieties of Crimson Clover may be allowed to volunteer back year after year on the same ground. When a new reseeding variety is being planted where another variety once grew, the field history requirements apply.

3. No manure or other contaminating material shall be applied the year previous to seeding or during the establishment and productive life of the stand.

C. Field Standards:

1. **Isolation:** All fields used for the production of certified seed must have the minimum isolation distance from fields of any other variety, or fields of the same variety that do not meet the varietal purity requirements for certification, as given in the table below:

Isolation For -	Foundation	Registered	Certified Blue Tag
Fields of less than 5 acres	100 rods	60 rods	30 rods
Fields of more than 5 acres	60 rods	30 rods	20 rods

2. Field Inspection:

Factor		MAXIMUM PERMITTED IN EACH CLASS		
			Registered	Certified Blue Tag
Other Varieties	1.	None	.02% (1 in 5000)	.05% (1 in 2000)
Objectionable Noxious Weeds	2.	None	None	None

1. **Other varieties shall be plants that can be differentiated from the variety being inspected.**

2. **Objectionable noxious weeds shall include field bindweed, nutgrass, dodder, wild onion or wild garlic, johnsongrass, balloonvine, serrated tussock, itchgrass, and tropical soda apple.**

D. Standards for Cleaned Seed:

Factor	STANDARDS FOR EACH CLASS		
		Registered	Certified Blue Tag
Pure Seed (minimum)	98%	98%	98%
Other Varieties or Other Crop (maximum)	18 per lb.	18 per lb.	27 per lb.
Other Noxious Weeds & Crops 2.	None	None	None
Objectionable Weeds 1.	None	18 per lb.	27 per lb.
Total Weed Seed (maximum)	.25%	.25%	.5%
Inert Matter (maximum)	2%	2%	2%
Germination, Including Hard Seed (minimum)	85%	85%	85%

1. Objectionable weeds shall include perennial wild geranium (*Geranium maculatum*), cleavers (*Galium aparine*), dandelion, corncockle and buckhorn plantain.
2. Crimson clover certified for any class shall be free of seeds and/or bulbs of all the other noxious weeds of Arkansas not listed above, also, mustards, rapeseeds, turnips, balloonvine, serrated tussock, itchgrass, and tropical soda apple.

STANDARDS FOR THE CERTIFICATION OF COTTONSEED

A. The general seed certification standards are basic, and together with the following specific standards, shall constitute the regulations for the certification of cotton.

B. **Licensed Cotton Breeders:** A licensed cotton breeder producing Foundation and Registered seed shall maintain a complete cotton breeding unit consisting of single stalk selections, inbred lines, or hybrids, planted in "plant-to row, or mass selection plots"; first, second, and third year multiplication plots and producing fields; all of which shall be well marked, so that their identity in the field is maintained. Complete records shall be kept showing the planting scheme, giving comparative data on the characteristics of the above work for at least three years. He shall have available for use such small gins, scales and other equipment that is necessary to efficiently process the breeding plots. Said equipment and records shall be available for inspection by Plant Board representatives at all times.

C. Application and Classes:

1. Application for the production of Foundation, Registered, or Blue Tag certified seed must cover the entire cotton acreage of the applicant, including the entire acreage of tenants and contract growers.

A. Contract growers for a licensed plant breeder may only produce one variety on any farm unit or as per specifications of the originating breeder and/or institution and approved by the State Plant Board.

B. Applicants producing Certified Seed shall produce only one variety, except that if applicant or his tenants, or contract growers have other farms which are operated as separate units as to labor and equipment, these units may be planted either with non-certified cotton or with certified cotton of another variety or class.

2. Applications must be filed with the Plant Board by July 1, so an inspector may check and sample the seed to be planted.

D. Field Standards:

1. The isolation required for the various classes is shown in the table below:

Class	Cottons of similar staple length and plant characters:	Cottons of widely different staple length and plant characters:
Foundation	15 ft.	300 ft.
Registered	15 ft.	300 ft.
Blue Tag Certified	15 ft.	100 ft.

Note: The isolation required from cottons, such as red or sea island, shall be one-fourth mile.

2. Cotton plants in adjoining fields, if within the distances shown in the table above, must be destroyed by disking or shredding, otherwise the field will be disqualified. Marking off the too-near strip, picking and ginning it separately, or furnishing certified seed to be planted in the too-near strip is not permissible in lieu of cutting back, nor is the use of barrier rows of corn or sorghum in place of these distances. If a field is cut back, and destroyed by disking or shredding, this must be verified by a Plant Board inspector before the field is picked.

3. If a field is disqualified, this will also disqualify all other cotton which is produced with the same labor and equipment unless arrangements can be made, satisfactory to the Plant Board, for the separate harvesting and ginning of the disqualified field. **Example:** If one of a contract grower's fields is disqualified because of varietal mixture, or nearness to other cotton, all other fields of this contract grower, which are farmed with the same labor and equipment, would be thrown out unless satisfactory arrangements can be made to harvest and gin the disqualified field separately.

4. Fields for certification shall meet the standards shown in the table below at the time the field inspection is made:

Factor	MAXIMUM PERMITTED IN EACH CLASS		
	Foundation	Registered	Certified Blue Tag
Other varieties- definite including off-type plants	None	1 plant per acre	5 plants per acre
Balloonvine, Serrated Tussock and Itchgrass	None	None	None

E. Ginning and Storage:

1. A licensed plant breeder shall show that he has complete control of a gin upon which no other cotton shall be ginned for the season except that being grown under his own application. If the breeder does not own the gin, then a copy of the contract with the owner of the gin must be supplied to the Plant Board. If a licensed plant breeder can fulfill all other regulations herein, but has insufficient acreage to enable him to get control of a separate gin, this fact may be made known to the Director, and if it shall appear practical, the Director may grant special permission for such cotton to be ginned on a custom gin, **provided**, before doing so the applicant will furnish copy of the ginning contract, showing permission for dropping the rolls, and otherwise thoroughly cleaning the gin according to the Plant Board Seed Certification gin clean up procedures:

- A. The Arkansas State Plant Board Seed Certification Office will be notified in advance of scheduled ginning of certified cotton. Notification will be repeated when changing varieties, before ginning the new variety.
- B. The gin must be thoroughly cleaned just prior to ginning any Foundation or registered cotton. This includes dropping the rolls and making sure all conveyers and seed handling systems are cleaned. Floors should be swept or blown free of all seed cotton. This should be followed by a five minute or more dry run of the gin until all loose seed is eliminated from the system.
- C. After start-up, gin three (3) bales per stand and divert to an alternate location before saving any planting seed.
- D. Seed company representatives will supervise the clean-ups, complete and sign the Gin Inspection Form, sending the original to the Arkansas State Plant board Seed certification Office.
- E. The Arkansas State Plant board may audit the above procedures as deemed necessary.

All ginning records must be kept available to the Director and his deputies. The Director is empowered to lay down special rules of ginning in individual cases. Foundation or Registered seed ginned on a custom gin must be stored in a building or room which has no direct connection with the gin, such as pipes or augers.

2. Blue tag certified cotton and registered class cotton, grown by anyone other than a licensed plant

breeder, or under his contract, shall be ginned on a certified one variety gin, that is, one which, after being thoroughly cleaned is inspected and certified by the State Plant Board as capable of maintaining a seed purity equal to or better than that required by the standards set for certified seed of the variety and class being produced. It shall then become and remain a one variety gin for as long as it subsequently gins the one variety, strain or class for which it has been certified, and complies with all other Plant Board regulations.

3. The gin, methods of handling the seed, and the seed storage must be inspected and approved in advance of the ginning season, as many inspections, as deemed necessary by the certifying agency, shall be made during the ginning and processing season. Inspector will examine gin records, check methods of handling seed, condition of storage, thoroughness of cleaning seed, to see that all regulations have been met.

F. Processing Seed:

1. If seed is processed at an applicant's own plant, both the storage at the processing plant and all handling and processing machinery shall be thoroughly cleaned, then inspected and approved before the seed is processed. A licensed plant breeder shall be permitted to process his Arkansas grown seed in his own plant outside the state; however, the plant must be within a reasonable distance of the state border so that it can be properly supervised by the State Plant Board, otherwise all other cottonseed for certification shall be processed on a plant within the state borders.

2. If cottonseed for certification is to be processed on a custom plant, the following conditions shall be met: (1) All storage, processing and handling equipment shall be completely cleaned of other seeds, then inspected and approved by a State Plant Board representative prior to processing the seed. No inspection shall be necessary when changing from one applicant's seed to another's seed of the same variety, and the same or lower class; (2) If the seed is delivered to the processing plant in bulk, it shall be in the applicant's own cleaned truck, unless otherwise authorized; (3) The seed shall be bagged as it is processed in containers that are printed, stenciled, or tagged in some way to identify the applicant, lot number, and the variety; (4) The processor shall keep a daily record of all seed processed, both certified and non-certified, which shall be available for inspection at any time.

G. Seed Standards:

Factor	STANDARDS FOR EACH CLASS		
	Foundation	Registered	Certified Blue Tag
Pure Seed (minimum)	99%	99%	99%
Other crop	None	None	None
Cocklebur (maximum)	None	1 seed in 4 lbs	1 seed in 2 lbs
Other Noxious Weeds including sandbur	None	None	None
Total Weed Seed (maximum)	.0%	.01%	.02%
Inert Matter (maximum)	1%	1%	1%
Moisture (maximum)	12%	12%	12%
Germination (minimum)	80%	80%	80%

STANDARDS FOR CERTIFICATION OF COWPEAS

A. The general seed certification standards are basic, and together with the following specific standards, shall constitute the regulations for certification of cowpeas.

B. **Land Requirements:** A crop will not be eligible for certification if planted on land where cowpeas, other than a certified crop of the same variety, were grown in the previous two years.

C. **Isolation:** A field for certification must be isolated from other cowpeas, by at least 30 feet. If the adjoining field is of the same variety and is being certified, then no isolation would be required.

D. Field Standards:

Factor	STANDARDS FOR EACH CLASS		
	Foundation	Registered	Certified Blue Tag
Other Varieties (definite)	None	2 plants per acre	4 plants per acre
Field Bindweed, Balloonvine, Serrated Tussock, Itchgrass	None	None	None

Note: Only a small amount of johnsongrass in the field will be accepted.

E. Standards for Cleaned Seed:

Factor	STANDARDS FOR EACH CLASS		
	Foundation	Registered	Certified Blue Tag
Pure Seed (minimum)	98%	98%	98%
Other Varieties (maximum)	None	1 in 4 lbs.	1 in 2 lbs.
Inert (maximum)	2%	2%	2%
Objectionable Noxious Weeds 1.	None	None	None
Other Noxious Weeds or Other Crop (maximum)	1 in 4 lbs.	1 in 4 lbs.	1 in 2 lbs.
Germination (minimum)	80%	80%	80%

1. Objectionable noxious weeds shall include field bindweed, wild onion or wild garlic, johnsongrass, nutgrass, bermudagrass, crotalaria, balloonvine, serrated tussock, itchgrass, and tropical soda apple.

STANDARDS FOR THE CERTIFICATION OF TALL FESCUE

A. The general seed certification standards are basic, and together with the following specific standards, shall constitute the regulations for the certification of fescue.

B. Land Requirements:

1. The production of foundation seed shall be on land that has not grown or been seeded to the same species during the previous five crop years.

2. The production of the registered or certified classes shall be on land that has not grown or been seeded to the same species during the previous crop year, except a certified class of the same variety equal or superior to that of the crop seeded.

C. Field Standards:

Factor	STANDARDS FOR EACH CLASS		
	Foundation	Registered	Certified Blue Tag
Other Varieties (definite)	None	.02% (1 in 5000)	.05% (1 in 2000)
Objectionable Noxious Weeds 1.	None	None	None
Isolation 2.	80 rods	40 rods	20 rods

1. Objectionable noxious weeds shall include field bindweed, johnsongrass, wild onion or wild garlic, balloonvine, serrated tussock, itchgrass, and tropical soda apple.
2. This isolation is required from other varieties or strains of the same species in bloom at the same time.

D. Standards for Cleaned Seed:

Factor	STANDARDS FOR EACH CLASS		
	Foundation	Registered	Certified Blue Tag
Pure Seed (minimum)	98%	98%	98%
Other varieties	9 per lb.	18 per lb.	45 per lb.
Objectionable Noxious Weeds 1.	None	None	None
Other Noxious Weeds or Other Crop (maximum)	18 per lb.	27 per lb.	45 per lb.
Total Weed Seed (maximum)	.3%	.3%	.5%
Inert Matter (maximum)	2%	2%	2%
Germination (minimum)	80%	80%	80%

1. Objectionable noxious weeds shall include field bindweed, wild onion or wild garlic, johnsongrass, nutgrass, bermudagrass, crotalaria, balloonvine, serrated tussock, itchgrass, and tropical soda apple.

STANDARDS FOR THE CERTIFICATION OF LESPEDEZA*

A. The general seed certification standards are basic, and together with the following specific standards, shall constitute the regulations for the certification of lespedeza.

* The Marion variety of Striate Lespedeza is allowed to be certified if it meets the Association of Official Seed Certifying Agencies (AOSCA) standards for lespedeza.

B. Land Requirements:

1. A crop of the same kind must not have been grown or planted on the land for 5, 3 and 2 years prior to stand establishment for producing the Foundation, Registered and Certified seed classes respectively.

2. During the year immediately prior to the seeding of any class of seed, the land shall be free from volunteer plants. No manure or other contaminating material shall be applied the year previous to seeding or during the establishment and productive life of the stand.

C. Field Standards:

1. **Isolation:** Lespedeza for certification must be isolated from any other field not being certified of the same or another variety, or a certified field of another variety by at least 15 feet. If the adjoining field has been sown broadcast, this distance must be at least 30 feet.

2. Field Inspection:

Factor	STANDARDS FOR EACH CLASS		
	Foundation	Registered	Certified Blue Tag
Other Varieties	.02% (1 in 5000)	.03% (3 in 10,000)	.05% (1 in 2000)
Objectionable Noxious Weeds 1.	None	None	None

1. Objectionable noxious weeds shall include field bindweed, wild onion, dodder, johnsongrass, balloonvine, serrated tussock, itchgrass, and tropical soda apple.

Note: Field must be inspected each year a crop of seed for certification is harvested whether lespedeza was seeded the same year or was a volunteer stand.

D. Standards for Cleaned Seed:

Factor	STANDARDS FOR EACH CLASS		
	Foundation	Registered	Certified Blue Tag
Pure Seed (minimum)	98%	98%	98%
Other Varieties or Other Crop (maximum)	27 per lb.	45 per lb.	45 per lb.
Objectionable Noxious Weeds 1.	None	None	None
Other Noxious Weeds (maximum)	27 per lb.	45 per lb.	45 per lb.
Inert Matter (maximum)	2%	2%	2%
Weed Seeds (maximum)	.5%	1%	1%
Germination including Hard Seed (minimum)	80%	80%	80%

1. Objectionable noxious weeds shall include field bindweed, wild onion, dodder, johnsongrass, nutgrass, bermudagrass, crotalaria, balloonvine, serrated tussock, itchgrass, and tropical soda apple.

STANDARDS FOR THE CERTIFICATION OF OKRA SEED

A. The general seed certification standards are basic, and together with the following specific standards, shall constitute the regulations for the certification of okra seed.

B. **Land requirements:** The crop to be certified must not be sown on land which has within the last three years produced a crop of another variety of okra or an uncertified crop of the same variety. It is suggested that land used be as nearly free of nematodes as possible.

C. **Handling Crop Prior to Field Inspection:** The grower will be responsible for the roging of fields on which certification is requested. The following program is suggested:

1. Check the field just before the first blossoms open and remove all volunteer okra plants.
2. When the young plants and pods have assumed definite varietal characteristics, inspect the field and remove all off-type plants.

D. **Field Standards:**

1. **Isolation:** The field to be certified must be isolated from non-certified okra or certified okra of another variety by at least one-fourth mile.
2. **Field Inspection:** Two field inspections will be made. The first, as soon as the first blossoms are open and the second when the first pods are ready for harvest.

Factor	MAXIMUM PERMITTED - RATIO OF PLANTS		
	Foundation	Registered	Certified Blue Tag
Other Varieties (definite)	None	1:2500	1:1250
Other Varieties (doubtful)	None	1:750	1:500

E. **Standards for Clean Seed:**

Factor	STANDARDS FOR EACH CLASS		
	Foundation	Registered	Certified Blue Tag
Pure Seed (minimum)	N.S.	98.00%	98.00%
Inert Matter (maximum)	N.S.	2.00%	2.00%
Weed Seeds (maximum)	0.05%	0.05%	0.10%
Objectionable or Noxious Weed Seeds (maximum)*	None	None	None
Total Other Crop Seeds (maximum)	None	0.02%	0.07%
Other Varieties (maximum)	None	0.01%	0.05%
Other Kinds (maximum)	None	0.01%	0.02%
Germination & Hard Seed (minimum)	N.S.	70.00%	70.00%

* Objectionable noxious weeds shall include field bindweed, johnsongrass, nutgrass, crotalaria, balloonvine, serrated tussock, itchgrass, and tropical soda apple.

STANDARDS FOR CERTIFICATION OF PEANUTS

A. The general seed certification standards are basic, and together with the following specific standards, shall constitute the regulations for certification of peanuts.

B. Land Requirements: A crop will not be eligible for certification if planted on land where peanuts, other than a certified crop of the same variety, were grown in the previous two years. A field which includes an area where peanuts were threshed, or where peanut refuse of another variety was spread during the preceding year, or peanut refuse of the same uncertified variety of peanut, shall not be eligible for certification.

C. Isolation: A field for certification must be isolated from other peanut varieties by at least 10 feet. If an adjoining field on the same farm is of the same variety and both fields are being certified, then no isolation would be required.

At least one field inspection will be made during the growing season at a time when varietal purity can best be determined, prior to harvest.

D. Field Standards:

Factor	STANDARDS FOR EACH CLASS		
	Foundation	Registered	Certified Blue Tag
Other Varieties*	0.02% (1 : 5,000)	0.2% (1 : 500)	0.5% (1 : 200)
Stunt Virus, or Stripe Virus	None	None	None

*Including other types (i.e., Spanish type contained in Runner type)

Note: Extremely weedy fields may result in the field being rejected for certification.

E. Standards for Cleaned Seed:

Factor	STANDARDS FOR EACH CLASS		
	Foundation	Registered	Certified Blue Tag
Pure Seed (minimum)	97%	97%	97%
Inert (maximum) (1.)	3.0%	3.0%	3.0%
Other Varieties (maximum)	None	0.2%	0.5%
Other Crop (maximum other kinds)	0.01%	0.01%	0.02%
Objectionable Noxious Weeds (2.)	None	None	None
Other Noxious Weeds	None	None	None
Other Weed Seed	0.01%	0.01%	0.01%
Germination (minimum)	75%	75%	75%

- (1.) Spanish type, runner type and Virginia type peanuts allowed additional 3.00% "bald heads".
- (2.) Objectionable noxious weeds shall include field bindweed, wild onion or wild garlic, johnsongrass, nutgrass, bermudagrass, crotalaria, balloonvine, serrated tussock, itchgrass, and tropical soda apple.

Instructions and Procedures

Buying Points:

Any facility handling more than one variety of peanuts, certified seed and commodity production, must have a documented plan to maintain varietal purity and identity and an individual appointed as the representative responsible for maintaining identity, as described in the general seed certification standards.

Size of Lots:

For the purpose of issuing certification labels, the standard lot size for peanuts shall be a maximum of 55,000 lbs.

STANDARDS FOR THE CERTIFICATION OF RAPE SEED

A. The general seed certification standards are basic, and together with the following standards, shall constitute the regulations for the certification of rape.

1. All certified rape being grown in Arkansas must be treated with Benomyl or Iprodione when approved, or other registered and approved chemical recognized to be equal to or greater than Benomyl or Iprodione for the effective control of seedborne Blackleg, according to label directions.

2. All certified rape being grown in Arkansas must be field inspected for the presence of Blackleg. If Blackleg infection is suspected, then it must be laboratory tested for confirmation of the virulent strain.

B. **Land Requirements:** Foundation and Registered seed of rape must be planted on land which did not produce rape during the previous four years. Certified (Blue Tag) seed of rape must be planted on land which did not produce rape during the previous three years.

C. **Isolation:** A field producing any class of Certified seed must have the minimum isolation distance from fields of any other variety of the same kind or from non-certified crop of the same variety as follows:

1. Producing Foundation or Registered rape seed: a) cross pollinated- 1,320 ft. b) self pollinated-660 ft.

2. Producing Certified (Blue Tag) Rapeseed: a) cross pollinated-330 ft. b) self pollinated-330 ft.

Required isolation between classes (grades) of the same variety is 10 ft.

D. Field Standards:

Factor	STANDARDS FOR EACH CLASS		
	Foundation	Registered	Blue Tag
Other Varieties	1 in 2000 plants	1 in 1000 plants	1 in 500 plants

E. Standards for Cleaned Seed:

Factor	STANDARDS FOR EACH CLASS		
	Foundation	Registered	Blue Tag
Pure Seed (minimum)	99%	99%	99%
Inert Matter (maximum)	1.00%	1.00%	1.00%
Weed Seeds of Brassica spp. & Raphanus raphanistrum	1 per lb.	3 per lb.	5 per lb.
Prohibited Noxious	None	None	None
Buckhorn plantain, Dock, & Wild Onion/Garlic	1 per lb.	3 per lb.	5 per lb.
Other Weeds	5 per lb.	10 per lb.	15 per lb.
Total Other Crop Seeds (maximum)	0.05%	0.10%	0.25%
Other Varieties (maximum)	0.05%	0.10%	0.25%
Other Kinds (maximum) *	0.01%	0.01%	0.01%
Germination (minimum)	85%	85%	85%
Moisture (maximum)	10%	10%	10%

* Shall not exceed 1 per pound for Foundation; 2 per pound for Registered; and 5 per pound for Certified (Blue Tag).

STANDARDS FOR THE CERTIFICATION OF RICE

A. The general seed certification standards are basic, and together with the following specific standards, shall constitute the regulations for the certification of rice.

B. **Land Requirements:** The crop to be certified must not be sown on land which has within the last two years produced a crop of another variety or an uncertified crop of the same variety.

C. Field Standards:

1. **Isolation:** In order to prevent mechanical mixtures in planting, harvesting, running of drain furrows, levees, etc., fields for certification shall be separated from non-certified rice fields and from certified rice fields of another variety by the following distances: if the nearby field is drill seeded the distance shall be 15 ft., if ground broadcast seeded the distance shall be 50 ft., and if aerial seeded the distance shall be 100 ft.

2. Field Inspection Standards:

Factor	STANDARDS FOR EACH CLASS		
	Foundation	Registered	Certified Blue Tag
Other Varieties*	None	1 per 5 sq. rds.	1 per sq. rd.
Curly Indigo, Coffee Bean, Itchgrass Field Bindweed, Balloonvine, Serrated Tussock	None	None	None
Red Rice	None	None	1 plant per acre
Disease (cannot be controlled with seed treatment)	None	None	None

*Other varieties shall not include variations which are characteristic of the variety.

Inspectors will, at the time the field inspection is made, report the amount of other noxious weeds present, give the general condition of the field, and note the presence of any disease which might seriously affect the quality of the seed.

D. Standards for Cleaned Seed:

Factor	STANDARDS FOR EACH CLASS		
	Foundation	Registered	Certified Blue Tag
Pure Seed (minimum)	98%	98%	98%
Other Varieties*	None	None	2 per lb.
Other Crop Seeds (maximum)	None	None	2 per lb.
All Noxious Weeds	None	None	None**
Total Weed Seed (maximum)	.03%	.03%	.08%
Inert (maximum)	2%	2%	2%
Germination (minimum)	80%	80%	80%
Moisture (maximum)	14%	14%	14%

* Other varieties shall not include variations which are characteristics of the variety.

** Four pounds shall be hulled from each lot to determine the noxious weed content, including red rice.

STANDARDS FOR THE CERTIFICATION OF SMALL GRAINS (Oats, Wheat, Rye and Barley)

A. The general seed certification standards are basic, and together with the following specific standards, shall constitute the regulations for certification of small grains.

B. **Land Requirements:** A small grain crop may only be planted on land on which any small grain planted in the previous two years was of another crop kind, or was planted with a class of certified seed of the same variety.

Point of clarification: Land requirements are also met if cultivated crops were grown on the land the previous two summers and the land winter fallowed.

C. Field Standards:

1. **Isolations:** Rye for certification shall be isolated from another variety or from non-certified rye of the same variety by at least one-fourth mile. Wheat, barley or oats for certification shall be isolated from other crops by 15 feet, and if the adjoining field to the one being certified has been sown broadcast, then the isolation required is 30 feet. No isolation would be required if the adjoining field is the same variety and is certified.

2. Field Inspection:

Factor	STANDARDS FOR EACH CLASS		
	Foundation	Registered	Certified Blue Tag
Other Varieties-definite	None	.02% (1 in 5000)	.04% (1 in 2500)
Other Crop 1.	None	.01% (1 in 10,000)	.04% (1 in 2500)
Objectionable Noxious Weeds 2.	None	None	None
Diseased Plants (smut)	.02% (1 in 5000)	.05% (1 in 2000)	.1% (1 in 1000)

1. Other crops shall mean those crops that would be difficult to separate from the crop being certified by the usual cleaning methods.
2. Objectionable noxious weeds shall include field bindweed, serrated tussock, itchgrass, tropical soda apple, wild onion or wild garlic, balloonvine, and johnsongrass, except that johnsongrass will be permitted at the time of field inspection in wheat only.

D. Standards for Clean Seed:

Factor	STANDARDS FOR EACH CLASS		
	Foundation	Registered	Certified Blue Tag
Pure Seed (minimum) 1.	98%	98%	98%
Other Varieties	None	1 per lb.	4 per lb.
Other Crop (maximum)	1 per lb.	2 per lb.	4 per lb.
All Noxious Weeds (In Wheat)	None	None	None
Objectionable Noxious Weeds 2.	None	None	None
Other Noxious Weeds (Oats, Rye, Barley)	1 per lb.	2 per lb.	4 per lb.
Inert Matter (maximum) 3.	2%	2%	2%
Moisture (maximum)	14%	14%	14%
Germination (minimum) 4.	85%	85%	85%

1. Minimum pure seed for rye shall be 96%.
2. Objectionable noxious weeds shall include field bindweed, wild onion or wild garlic, johnsongrass, nutgrass, bermudagrass, crotalaria, balloonvine, serrated tussock, itchgrass, and tropical soda apple.
3. The maximum inert for rye shall be 4%.
4. The minimum germination for rye shall be 70%.

STANDARDS FOR THE CERTIFICATION OF SORGHUM

A. The general seed certification standards are basic, and together with the following specific standards shall constitute the regulations for the certification of sorghum.

B. **Land Requirements:** The crop to be certified must not be planted on land which has within the last year produced a certified crop of another variety, or an uncertified crop of either the same or another variety.

C. Field Standards:

1. **Isolation:** Fields of sorghum for certification shall be isolated from other kinds of varieties and from fields of the same variety that do not meet the varietal purity standards for certification, as shown in the table below:

Class	Minimum Isolation
Foundation	60 rods
Registered	60 rods
Blue Tag Certified	40 rods 1.

1. (a) For Sudan grass the minimum isolation shall be 60 rods from any other variety of Sudan grass.
- (b) The minimum isolation for sorghum from any Sudan grass shall be 60 rods.

2. Field Inspection:

Factor	STANDARDS FOR EACH CLASS		
	Foundation	Registered	Certified Blue Tag
Other Varieties-definite	None	None	.005% (1 in 20,000)
Off-type or Doubtful Plants	None	.01% (1 in 10,000)	.02% (1 in 5,000)
Field Bindweed, Johnsongrass, Itchgrass, Tropical Soda Apple, Balloonvine, Serrated Tussock	None	None	None
Seedborne Disease (smut)	None	None	.01% (1 in 10,000)

D. Standards for Cleaned Seed:

Factor	STANDARDS FOR EACH CLASS		
	Foundation	Registered	Certified Blue Tag
Pure Seed (minimum)	98%	98%	98%
Other Varieties (definite)	None	None	2 per lb.
Objectionable Noxious Weeds 1.	None	None	None
Other Noxious Weeds or other Crop Seed	2 per lb.	2 per lb.	3 per lb.
Total Weed Seed (maximum)	.1%	.1%	.1%
Inert Matter (maximum)	2%	2%	2%
Germination (minimum)	80%	80%	80%
Moisture (maximum)	13%	13%	13%

1. Objectionable noxious weeds shall include field bindweed, johnsongrass, wild onion or wild garlic, bermudagrass, nutgrass, crotalaria, balloonvine, serrated tussock, itchgrass, tropical soda apple.

STANDARDS FOR THE CERTIFICATION OF SOYBEANS

A. The general seed certification standards are basic, and together with the following specific standards, shall constitute the regulations for certification of soybeans.

B. **Land Requirements:** Soybeans shall not be grown on land where the previous crop was soybeans unless the preceding soybean crop was planted with certified seed of the same variety or unless the variety planted is of a contrasting pubescence or hilum color.

C. Field Standards:

1. **Isolation:** Soybeans for certification must be isolated from any other field not being certified of the same or another variety, or a certified field of another variety by at least 5 feet for Blue Tag Class and 15 feet for Foundation and Registered Classes.

2. Field Inspection:

Factor	STANDARDS FOR EACH CLASS		
	Foundation	Registered	Certified Blue Tag
Other Varieties 1.	*.02% (1 in 5000)	*.03% (1 in 3600)	*.09% (3 in 3600)
Field Bindweed, Balloonvine, Serrated Tussock, Itchgrass	None	None	None

1. Other varieties shall include plants that are distinctly different from the variety being inspected.

Note: Only a small amount of johnsongrass in the field will be permitted.

*Allowances for certified Hutcheson and Caviness Soybeans is up to 1/200 other varieties for BlueTag class, 1/500 for Registered class and 1/1000 for Foundation class. (For the Caviness variety, this allowance will expire in July 2004)

D. Standards for Cleaned Seed:

Factor	STANDARDS FOR EACH CLASS		
	Foundation	Registered	Certified Blue Tag
Pure Seed (minimum)	98%	98%	98%
Other Varieties	*None	*1 in 1 lb.	*3 in 1 lb.
Other Crop (maximum)	None	1 in 3 lbs	1 in 2 lbs.
Corn or Sunflower Seed (maximum)	None	None	1 in 1 lb.
Noxious Weeds	None	None	None
Inert Matter (maximum)	2%	2%	2%
Germination (minimum)	80%	80%	80%
Moisture (maximum)	14%	14%	14%

1. Foundation Class Soybean Seed grown on fields infested with Soybean Cyst Nematode and/or Cocklebur, Morning Glory and Moonflower shall be cleaned over spiral cleaners.

* Allowance for certified Hutcheson and Caviness Soybeans is up to 0.50% other varieties for BlueTag class, 0.20% for Registered class and 0.10% for foundation class. (For the Caviness variety, this allowance will expire in July, 2004)

STANDARDS FOR THE CERTIFICATION OF VETCH

A. The general seed certification standards are basic, and together with the following specific standards, shall constitute the regulations for certification of vetch.

B. Land Requirements:

1. A crop of the same kind must not have been grown or planted on the land for 5, 3, and 2 years prior to stand establishment for producing the Foundation, Registered, and Certified seed classes, respectively.

2. The land must be free of volunteer plants of Vetch during the year immediately prior to establishment. No manure or other contaminating material shall be applied the year previous to seeding or during the establishment and productive life of the stand. Requirement is waived if the previous crop was of the same variety and of a Certified class equal or superior to that of the crop seeded.

C. Field Standards:

1. **Isolation:** All fields for certification must have 25 rods isolation distance from fields of another variety of the same species, or from fields of the same variety that do not meet the varietal purity requirements for certification. The isolation distance between classes of the same variety may be reduced to 10 feet, regardless of class, or size of field.

2. Field Inspection:

Factor	STANDARDS FOR EACH CLASS		
	Foundation	Registered	Certified Blue Tag
Other Varieties	.02% (1 in 5000)	.02% (1 in 5000)	.04% (1 in 2500)
Objectionable Noxious Weeds 1.	None	None	None

1. Objectionable noxious weeds shall include field bindweed, wild onion or wild garlic, balloonvine, serrated tussock, itchgrass, and tropical soda apple.

Note: Only a small amount of johnsongrass in the field will be permitted.

D. Standards for Cleaned Seed:

Factor	STANDARDS FOR EACH CLASS		
	Foundation	Registered	Certified Blue Tag
Pure Seed (minimum)	98%	98%	98%
Other Varieties or Other Crop (maximum)	1 in 2 lbs.	1 per lb.	2 per lb.
Objectionable Noxious Weeds 1.	None	None	None
Other noxious weeds	1 per lb.	1 per lb.	2 per lb.
Total Weeds (maximum)	0.1%	0.1%	0.1%
Inert Matter (maximum)	2%	2%	2%
Germination Including Hard Seed (minimum)	80%	80%	80%

1. Objectionable noxious weeds shall include field bindweed, wild onion or wild garlic, johnsongrass, nutgrass, bermudagrass, crotalaria, balloonvine, serrated tussock, itchgrass, and tropical soda apple.

STANDARDS FOR THE CERTIFICATION OF TURFGRASS

VEGETATIVELY PROPAGATED TURFGRASS

I. Application and Amplification of General Certification Standards

A. The General Seed Certification Standards are basic and together with the following specific standards, constitute the standards for certification of vegetatively propagated turfgrasses.

New applicants are required to be familiar with Arkansas Certification requirements. Turfgrass applications not received by May 1, with the exception of new producers, will not be accepted. Applicants wishing to certify a variety not currently in production in Arkansas will be required to submit documentation on the candidate variety to the State Plant Board a minimum 60 days prior to planting. That documentation will include: (1) a breeder's description, prepared by the person or organization responsible for developing the variety, (2) copies of any production and/or royalty agreement associated with securing the right to produce the variety.

B. The General Standards are modified as follows:

1. Foundation Turf - shall be the vegetative increase of breeder's turf, or in certain cases the increase of foundation turf.
2. * Registered Turf - shall be the vegetative increase of foundation turf.
3. Certified Turf - shall be the vegetative increase of registered turf or foundation turf.
4. Application blanks for certification of vegetatively propagated turfgrasses will be furnished by the Plant Board. A map showing the location of each kind and variety must accompany the application for field inspection and certification. Any person applying for certification on a variety planted from a source other than his own production, must submit with his application a copy of the invoice and a tag from one of the containers, which will establish the quantity and class of the planting stocks. Application should be made by March 1 of each year for current crop. Fees are listed in Section H of these regulations.
5. The field of each kind and variety must be identified at all times by an appropriate sign and field number and map with field number noted.
6. Life of Stand: The life of the stand will continue for all classes of vegetatively propagated turf grasses as long as the varietal and mechanical purity for the class is maintained.

*A grower of registered turf may increase the original foundation class planting to no more than 10 acres if the increase is continuous within the original field and an ASPB inspector is present at harvest.

C. Responsibilities of the Grower:
The Grower is responsible for:

1. Making certain that all grass represented on the certificate was inspected and accepted for certification.
2. Making certain the certificate contains all the required information and is correct (i.e., kind, variety, quantity, billing invoice, field #, harvest date, and grower information).

3. Making sure that grass represented by the certificate continues to meet the appropriate Turfgrass Standards after the inspection.
4. Making sure the certificate accompanies each shipment of grass
5. Mailing the appropriate certificate copy to the Plant Board Certification office weekly.
6. Preventing non-certified grass from being sold as certified grass.
7. Making certain that those records required in the Turfgrass Standards are maintained.

INSTRUCTIONS AND PROCEDURES

1. The initial planting for production of foundation vegetatively propagated turfgrasses will be in rows not less than 12" apart.
2. All planting, mowing, harvesting and loading equipment must be thoroughly cleaned prior to entering the field.
3. An official numbered certificate will accompany each shipment of certified sprigs, sod or plugs.
4. A complete record on the amount of certified turf sales will be maintained and made available to the official certifying agency. The record will include (a) class of certified turf sold (Foundation, Registered or Certified), (b) kind and variety, (c) field number, (d) date of harvest, (e) amount of turf shipped (square feet, cubic feet, bushels, etc.)

II. Land Requirements - (Rules covering land prior to planting)

A. A field to be eligible for the production of registered or certified turf must have been inspected and found to be free of all perennial grasses, objectionable and noxious weeds. A second inspection will be made approximately four to six weeks after planting.

B. Size of Field: Maximum:

- a. Foundation: ten acres
- b. Registered: ten acres
- c. Certified: no limit

C. All registered class grass will be produced on fumigated land or inspected for an entire growing season and meet section II, A, requirements.

D. Land fumigated must lay idle for a period of not less than three weeks after fumigation (or not less than six weeks when converting to like species) and be inspected for compliance with Section II, A. Land must receive adequate moisture and soil temperature must be adequate to allow any live plants not eradicated by fumigation to emerge.

III. Field Inspections

A. Handling the Crop after Planting and Prior to Inspection:

A field must be rogued and/or sprayed with recommended herbicides during the growing season to remove (1) other varieties, (2) other perennial grasses, (3) most common weeds, (4) objectionable and noxious weeds.

Note: When spraying, the herbicide will be applied to the area containing the mixture plus

an 18" border surrounding the outer limits of the visible area of mixture. Spraying will continue until the mixture is eradicated.

B. Time and number of inspections:

1. Foundation, Registered and Certified (three inspections required):

Spring (April or May)

Summer (June or July)

Fall (September or October)

2. Every two years an intensive field inspection will be made of the Registered Class.

a. A representative area of the field (10%) will not be harvested until seed heads appear.

C. Production fields that fail to meet the published varietal purity standards for the class applied for within one growing year will be permanently downgraded to the next lowest class if the field meets the standard of the next lowest class, or removed from certification. A field removed from certification may be re-entered into certification if it meets the requirements in section II, Land Requirements (Rules Covering land prior to planting).

IV. Field Standards

A. General

1. Restrictions on number of varieties per field:

Only one variety of a kind may be grown for certified turf on a field except with prior approval of the certifying agency.

2. Unit of Certification:

A field or portion of a field may be certified.

3. Isolation requirements:

Plantings of vegetatively propagated turf grasses must be isolated from any other variety and other perennial grasses and other certification classes by an artificial barrier and/or strip at least ten (10) feet wide to prevent mixing during the growing season and harvesting operation.

B. Specific Requirements:

Factor	Maximum permitted in each class		
	Foundation***	Registered***	Certified***
* Other Varieties	None	None	1 plant/acre***
Other Crops	None	None	1 plant/acre**
Noxious / Objectionable Weeds	None	None	None
Other Living Plants (Max per acre)	100	200	400

* Other Varieties shall consist of all other varieties of the kind being produced.

** Other Crops shall consist of all other kinds and varieties of perennial grasses.

*** Other live varieties, other live crops and live noxious weeds found in excess of standards during field inspection must be eradicated. **Reinspection required and to be made not less than three weeks after rejection, cost of reinspection to be paid by producer.**

**** Those live plants found by an inspector must be eradicated by grower.

V. Turf Standards

*Noxious Weeds.....None

**Objectionable Weeds.....None

*See General Seed Certification Standards for list of Noxious Weeds

** Objectionable Weeds: Perennial sedges other than nutsedge (grass) and Dichondra spp.

ARKANSAS STATE PLANT BOARD

Seed Enforcement Response Policy

Effective August 1996

ARKANSAS STATE PLANT BOARD
SEED ENFORCEMENT RESPONSE POLICY

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I. STATEMENT OF PURPOSE

The quality of planting seed has long been recognized as one of the most important factors in crop production. The Arkansas Plant Act of 1917 (as amended) and its regulations, and the Seed certification Act of 1947 (and its standards) were developed to assure truth in labeling of agricultural seed sold or offered for sale, and availability of high quality planting seed for the farmer.

The purpose of this policy is to insure compliance with laws and regulations under the authority of the Plant Board, and to provide fair and consistent enforcement actions for documented violations of the Plant Act and Seed Certification Act, and their regulations/standards.

II. DEFINITIONS

As used in this policy:

- A. Minor violation: Incidents of non-compliance which do not create a competitive disadvantage for licensees in full compliance.
- B. Major violation: Incidents of non-compliance which create a competitive disadvantage over licensees in full compliance; a violative incident which affects human health, safety or endangers the environment; or a history of repetitive violative incidents.
- C. Case Development Review Panel: An internal committee of staff including: 1) the Seed Division Director, 2) the appropriate Section Manager, and 3) the Agency director or the director's designee. The Case Development Review Panel will carefully review all case documentation to insure completeness and to insure that the recommended enforcement action is appropriate.
- D. Level of Enforcement: The category by which a violative incident is considered a first, second, third or fourth offense.

For a violation to be considered a second or subsequent offense, it must meet the following criteria:

- 1. A repeat of a violation for which a previous enforcement action (with an adverse finding to the respondent), has been taken by the Plant Board. The previous violation(s) must have occurred within the past 3 years.
- E. Respondent: A dealer, farmer, firm or individual charged with a violation under this policy.

III. LEGAL AUTHORITY

- A. Arkansas Plant Act A.C.A. 2-16-203 et. seq. and Regulations
- B. Arkansas Seed Certification Act 73 OF 1931 (Sections 77-315-77-322 AR Stats. 1947) and Standards.
- C. Federal Seed Act (Memorandum of Understanding)

IV. ENFORCEMENT ACTIONS

Under the preceding Arkansas Codes, the Plant Board has several options for enforcement action. These are:

- A. **Warning Letter:** For minor, 1st level of enforcement violations, the Board or Board Staff will issue a warning letter. The letter will cite the specific violation as outlined in the Penalty Matrix. The letter will also identify any corrective action that may be needed and notify the respondent that further violations will result in more severe enforcement action.
- B. **10% Late Charge:** Tonnage Fee Reports are required to be filed each quarter. The Plant Board may assess a 10% additional charge for late reports.
- C. **Stop Sale:** Selling, offering for sale or distributing agricultural seed for planting purposes within or into Arkansas without a valid seed dealer's license or not labeling in accordance with regulations will result in a stop sale notice issued by the staff. The notice will remain in effect until the violation is corrected.
- D. **Inspection fee:** If seed are found mislabeled, or required tags not attached, or some other requirement not met, the seedsman who labeled the seed, or the seedsman who made the shipment, or the person to whom the notice was issued, may be required to pay to the Plant Board as an inspection fee the sum of \$15.00.
- E. **Referral to Federal Regulatory/Testing Branch:** The Federal Seed Act regulates interstate and foreign commerce in seeds, as well as sale of varieties of seed protected under the Plant Variety Protection Act specifying sale only as a class of certified seed (Title V). The Plant Board's "Memorandum of Understanding" with the Federal Regulatory/Testing Branch requires cooperation with federal regulators for enforcement/compliance with the Federal Seed Act.
- F. **Informal Agreement:** When a violation has been alleged, the respondent has the option of an informal hearing or a board/committee hearing. The purpose of the informal hearing is to resolve a complaint or incident. A hearing officer will meet jointly with the respondent and Plant Board Staff.

The group will seek consensus on an appropriate enforcement action for recommendation to the Board. Enforcement action based on the Penalty Matrix may include Civil Penalty and/or license probation, suspension, revocation, non-renewal, or cancellation. The Full Board acts on all recommendations resulting from the informal hearing.

- G. Board/Committee Hearing: If the respondent chooses to bypass the informal agreement process, or if an agreement cannot be reached during the informal process; a hearing will be held by an appropriate Committee of the Board. Enforcement action will include Civil Penalty and/or license probation, suspension, revocation, non-renewal, or cancellation. Following a Committee hearing, a written Finding of Fact, Conclusion of Law, and recommendation will be submitted to the Board. The Full Board will act on all recommendations of a committee.
- H. Referral to Prosecuting Attorney: The Plant Board has the option of referring violations of the Arkansas Plant Act and the Seed Certification Act to the prosecuting attorney.

V. INCIDENT INVESTIGATION

An incident investigation will be initiated when:

- A. Routine compliance monitoring indicates a violation has occurred.
- B. A formal complaint that an alleged violative incident has occurred. (Filing of written form by a complainant). In cases of apparent immediate endangerment to health or environment, the written notification may be waived and the investigation of the alleged incident will begin immediately.

VI. INTERNAL REVIEW

The Case Development Panel will carefully review all documentation and records to determine:

- A. That apparent violation/violations have occurred.
- B. Whether the apparent violations are **Minor** and/or **Major** violations.
- C. The number of counts of each violation/violations.
- D. The correct level of enforcement based on the documented history of the individual/company.

VII. HEARINGS

The informal hearing officer and/or the appropriate Committee and/or the Full Board will carefully review the documentation and hear cases of alleged violations.

A violation will be determined by documentation. The severity and level of enforcement of a violation will be determined by the four factors in Section VI., as they are applied to the Penalty Matrix.

If a violation is determined in this sequence, the following factors will be considered:

- A. Cooperation of the respondent.
- B. Other extenuating/mitigating circumstances.

The informal hearing officer/Committee/Full Board will assign a +1 to all factors that merit an increase in the penalty; a -1 to all factors that merit a reduction in the penalty, and 0 to factors for which there is no information.

The Hearing Officer/Committee/Board may use these factors to accelerate or mitigate enforcement action. When a civil penalty is the preferred action, the fine will be increased or decreased by \$100.00 for each factor. The civil penalty will not be more or less than the range for the specific violation listed in Appendix B.

The Full Board will take action and make final disposition of the case.

VIII. RIGHT OF APPEAL

Any person aggrieved by any action of the Plant Board may obtain a review thereof, by filing in circuit court within 30 days of notice of the action, a written petition praying that the action of the Plant Board be set aside.

IX. EXAMPLES

How does it work?

- A. Someone advertises seed for sale (newspaper, flyer, notice on co-op wall, inspector observes, etc.) and does not have a current license or permit as required (Violation # 1 in matrix). First action would be either a stop-sale (C) or a warning letter (A) stating the need for a license or cease selling or advertising. With a stop-sale, a \$15 inspection fee (D) is generally charged. If the sale involved a PVP Title V protected variety, referral could be made to the Federal Seed Marketing Division (E). Refusal to comply with warning/stop-sale would automatically be brought to process

of informal agreement (F)/committee hearing (G).

A database would be kept of all enforcement actions taken. Any repeat violation within the next three years would be considered under the second level of enforcement, informal agreement (F) or Board/Committee hearing (G). The Full Board acts on all recommendations resulting from the informal or committee hearings.

- B. A quarterly report of tonnage fees owed is not received on time. This is a minor violation (# 2 on matrix) and would result in a 10% late charge (B) assessed. If not included with the late report, a letter is mailed stating amount due. Routine auditing showing additional amounts not reported would also be assessed a 10% late charge. Failure to pay or refusal to pay tonnage fees could result in stop-sale (C) issued on any seed offered for sale.

Audits that show repeated under-reporting would be considered a major violation. Enforcement actions could include 10% late charges, stop-sale and inspection fees, informal agreement or Board/Committee hearings.

Further problems with failure to pay tonnage fees would be handled under the second level of enforcement.

- C. Routine testing of regulatory samples found other crop to be out of tolerance with the label (violation # 5 in matrix). This would be a minor violation and a stop-sale (C) and inspection fee (D) would be issued.

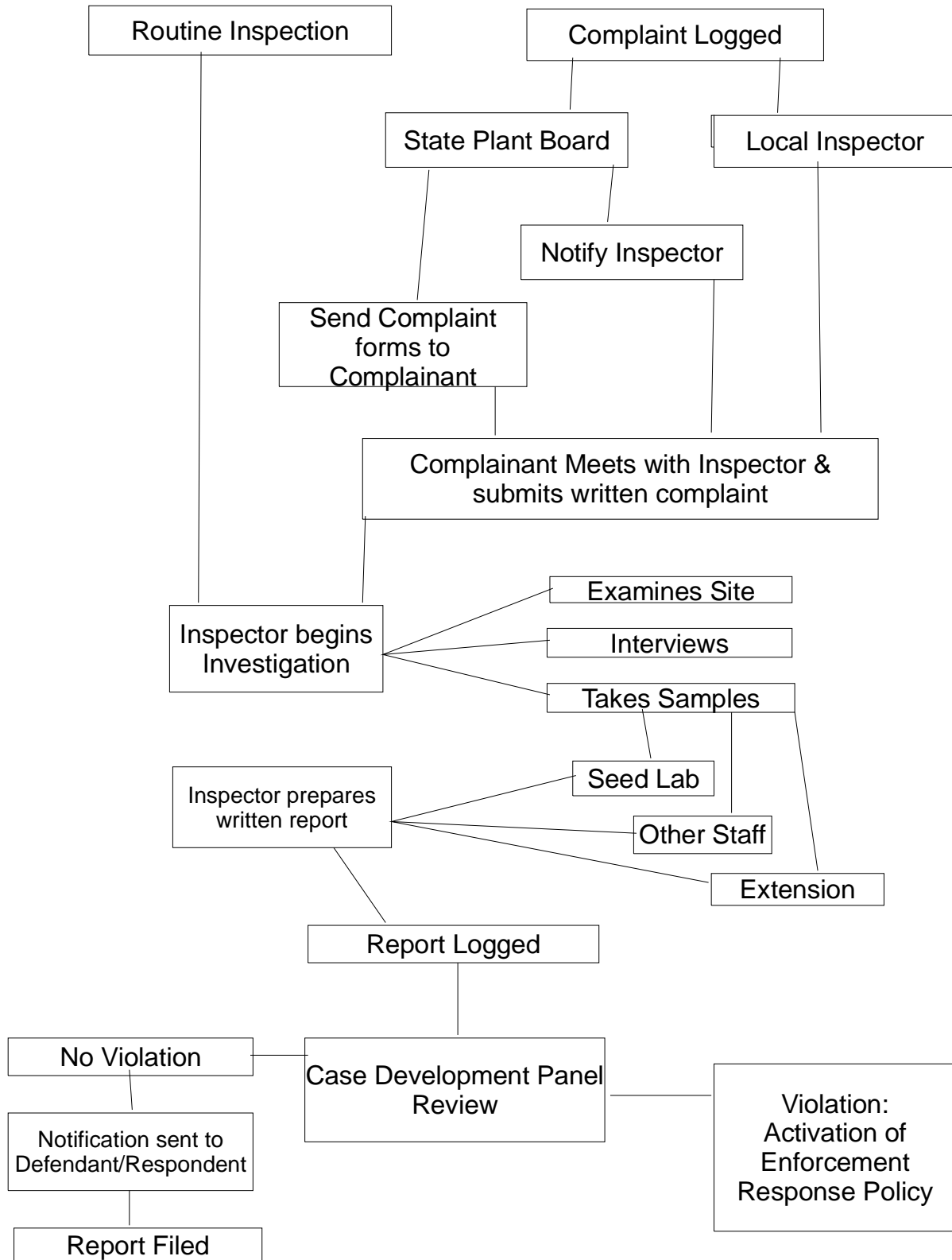
Consistent high mislabeling (10% or more) for two consecutive years would be sent a warning letter (A).

Consistent high mislabeling (10% or more) for three consecutive years would be considered a major violation, requiring informal agreement (F) or Board/Committee hearing (G).

Future high mislabeling (10% or more) in the following three years would be considered under the second level of enforcement, etc.

- D. An inspector or auditor found a certified grower selling seed out of his bin that had been field inspected but no complete analysis or approval for a certified grade had been received (violation # 12 on matrix). A stop-sale (C) with inspection fee (D) and warning letter (A) would be the first enforcement actions. If the variety involved was PVP Title V, referral would also be made to the Federal Testing Branch (E). Refusal to come into compliance would add informal agreement (F) and or Board/Committee hearings (G). Repetitive violations would be considered under the second level of enforcement, etc.

FIGURE I: Processing Sequence



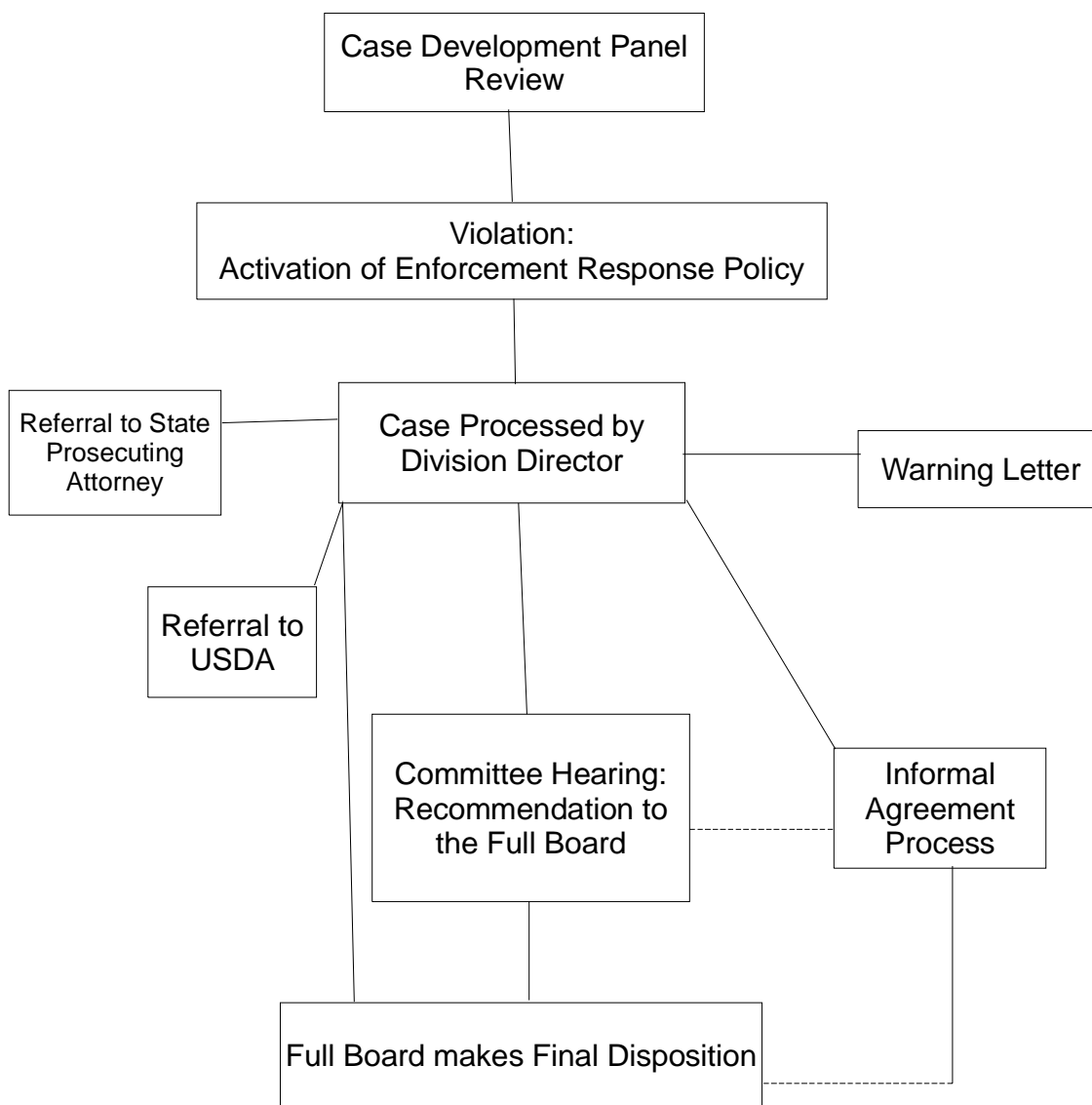
X. ACTIVATION OF ENFORCEMENT RESPONSE POLICY

An apparent violation of law and/or regulation must be documented to initiate an enforcement action.

Documentation must be consistent with standards established in Appendix A for the specific violation.

The sequence of events within the enforcement response policy is as follows:

Figure II:



APPENDIX A

VIOLATION	EXAMPLES OF CASE DOCUMENTATION TO ESTABLISH A VIOLATION
1. Failure to secure license for selling, offering for sale, or distributing agricultural seed for planting purposes.	<p>A. Advertisements of seed for sale. This could include signed statements from inspectors or individuals who witnessed notices on bulletin boards or chalk boards in co-ops or other places with planting seed for sale.</p> <p>B. Copies of invoices, receipts, delivery tickets or similar documents verifying sale or distribution of planting seed.</p> <p>C. Verification that at time of sale, distribution or offering for sale, the person or company did not have a valid seed dealer's license issued from the Plant Board.</p>
2. Failure to pay required tonnage fees on seed sold within or into Arkansas.	<p>A. Verification that no records are on file in Plant Board Accounting Office or Seed Division Office for receipt of fees for seed tonnage sold.</p> <p>B. Copies of correspondence from Plant Board staff to licensee showing tonnage report not filed or tonnage fee not paid.</p> <p>C. Copies of incomplete or inaccurate records or reports.</p>
3. Selling, offering for sale, or distributing seed for planting without required labeling.	<p>A. Signed statement and/or report of inspection from Plant Board agent that required labeling was not attached to bag/invoice on planting seed offered for sale, sold, or distributed for sale within or into Arkansas.</p> <p>B. Copies of incomplete labeling.</p>
4. Failure to obtain required test data on planting seed sold, offered for sale or distributed within or into Arkansas.	<p>A. Signed statement and/or report of inspection by any agent of the Plant Board detailing inspection of records, reports, invoices, etc. stating required test data not present.</p> <p>B. Copies of test data that are incomplete.</p>
5. Failure of labeled seed to be within limitations allowed or recognized tolerances of analysis on label. Major - consistent high mislabeling percentages for 3 or more consecutive years.	<p>A. Reports or copies of reports of analyses performed by Ar Plant Board Seed Lab or USDA Seed Testing Division showing labeled seed out of tolerance or incorrect on any portion of analysis or statement on label.</p> <p>B. Reports of annual compilations of seedsmen's labeling records and analysis reports showing labeled seed out of tolerance.</p> <p>C. Correspondence between Seed Division and Seed Labeler documenting high mislabeling percentages.</p>

VIOLATION	EXAMPLES OF CASE DOCUMENTATION TO ESTABLISH A VIOLATION
6. Disseminate any false or misleading advertisement concerning agricultural seed in any manner or by any means.	<p>A. Copies of advertisements or other materials stating claims.</p> <p>B. Signed statement from any individual citing claims made and identifying individual or company making claims.</p> <p>C. Documentation of truthfulness or fraudulence of the claims.</p>
7. Failure to secure license for Seed Treating Plant.	<p>A. Invoice or bill for seed treating services rendered.</p> <p>B. Signed statements from consumers or Plant Board agent verifying seed treatment was applied.</p> <p>C. Verification that no records are on file at Plant Board Office for seed treater's license application.</p>
8. Failure to comply with labeling requirements when selling, offering for sale or distributing treated seed for planting.	<p>A. Signed statement and/or report of inspection from Plant Board agent that required treatment labeling was not attached to bag/invoice on planting seed offered for sale, sold, or distributed for sale within or into Arkansas.</p> <p>B. Copies of incomplete or insufficient labeling.</p> <p>C. Laboratory analysis of seed being distributed.</p>
9. Selling, giving away or using treated seed for any purpose other than planting.	<p>A. Signed statement and/or report of inspection detailing or documenting charge.</p> <p>B. Copies of laboratory analysis of contaminated feed, food, water, etc.</p>
10. Detach, alter, deface or destroy any label required in regulations, or any test data required to use for labeling.	<p>A. Signed statement and/or report of inspection by any agent of the Plant Board detailing inspection of records, invoices, analysis reports or on any portion of analysis or information on label.</p> <p>B. Copies of analysis reports, labels, or tags in question.</p> <p>C. Signed statement from consumer invoiced.</p>

VIOLATION	EXAMPLES OF CASE DOCUMENTATION TO ESTABLISH A VIOLATION
11. Failure to keep records or make records available for inspection.	<p>A. Signed statement and/or report of inspection from Plant board agent that the records are incomplete or unavailable upon request at reasonable times.</p> <p>B. Copies of incomplete records and/or written request for records from the Plant Board.</p> <p>C. Signed statement from consumer, receipts, invoices, weight tickets, or delivery tickets or similar documents indicating sales or distributions of planting seed, along with verification that these sales or distributions were recorded incompletely or not at all.</p>
12. Sell, offer for sale, or distribute seed as certified, registered or foundation grade without being produced and or labeled in compliance with rules/regulations of certifying agency.	<p>A. Verification that no records are on file in Plant Board Certification Office or other official seed certifying agency showing requirements/standards met for certification at time of sale, distribution or offer for sale.</p> <p>B. Copies of advertisements, invoices, receipts or affidavits from individuals indicating a person or company is offering for sale or distributing seed as certified without being in compliance with rules/regulations.</p> <p>C. Copies of correspondence from Plant Board indicating incomplete or inaccurate records or reports on file regarding certification of seed in question..</p>
13. Representing a lot as "Certified Seed" without an official seed certifying agency label attached to each container.	<p>A. Signed statement from consumer and/or report of inspection from Plant Board agent that required labeling was not attached to bag on Certified planting seed offered for sale, sold, or distributed for sale within or into Arkansas.</p> <p>B. Copies of invoices or other documentation stating the seed is Certified.</p>
14. Representing agricultural seeds which are indistinguishable by seed characteristics to be of a recognized variety, without having adequate information for such representation.	<p>A. Copies of labels, advertisements, or other materials stating claims.</p> <p>B. Signed statement and/or report of inspection by any agent of the Plant Board detailing inspection of records, reports, invoices, etc. stating adequate information not present.</p> <p>C. Documentation of truthfulness or fraudulence of the claims.</p>

PENALTY MATRIX

Arkansas Plant Act and Seed Certification Act

VIOLATION	Violation Level	1st Level of Enforcement		2nd Level of Enforcement		3rd Level of Enforcement		4th Level of Enforcement	
		Enforcement Action	Civil Penalty Fine	Enforcement Action	Civil Penalty Fine	Enforcement Action	Civil Penalty Fine	Enforcement Action	Civil Penalty Fine
1. Failure to secure license for selling, offering for sale, or distributing agricultural seed for planting purposes.	Minor								
	Major	A, C, D, F, G, H	0 - 400	F, G	400 - 1000	F, G	600 - 1000	F, G, H	800 - 1000
2. Failure to pay required tonnage fees on seed sold within or into Arkansas.	Minor	A, B, C, D							
	Major	B, C, D, F, G	200 - 400	F, G	400 - 1000	F, G	600 - 1000	F, G, H	800 - 1000
3. Selling, offering for sale, or distributing seed for planting without required labeling.	Minor	A, C, D, E							
	Major	C, D, E, F, G	0 - 400	F, G	400 - 800	F, G	600 - 1000	F, G, H	800 - 1000
4. Failure to obtain required test data on planting seed sold, offered for sale or distributed within or into Arkansas.	Minor								
	Major	A, C, D, E, F, G	0 - 400	F, G	400 - 800	F, G	600 - 1000	F, G, H	800 - 1000
5. Failure of labeled seed to be within limitations allowed or recognized tolerances of analysis on label. Major - consistent high mislabeling percentages for 3 or more consecutive years.	Minor	A, C, D, E							
	Major	F, G	0 - 400	F, G	0 - 600	F, G	600 - 1000	F, G, H	800 - 1000

ENFORCEMENT ACTION OPTIONS

**A) Warning letter
10% Late Charge**

**C) Stop Sale
D) Inspection Fee**

**E) Referral to Fed. Regulatory/Testing Branch
F) Informal Agreement**

**G) Board/Committee Hearing
H) Referral to Pros. Attorney**

PENALTY MATRIX

Arkansas Plant Act and Seed Certification Act

VIOLATION	Violation Level	1st Level of Enforcement		2nd Level of Enforcement		3rd Level of Enforcement		4th Level of Enforcement	
		Enforcement Action	Civil Penalty Fine	Enforcement Action	Civil Penalty Fine	Enforcement Action	Civil Penalty Fine	Enforcement Action	Civil Penalty Fine
6. Disseminate any false or misleading advertisement concerning agricultural seed in any manner or by any means.	Minor								
	Major	A, C, D, E, F, G	0 - 400	F, G	400 - 1000	F, G	600 - 1000	F, G, H	800 - 1000
7. Failure to secure license for Seed Treating Plant.	Minor								
	Major	A, C, D, F, G	0 - 400	F, G	400 - 1000	F, G	600 - 1000	F, G, H	800 - 1000
8. Failure to comply with labeling requirements when selling, offering for sale or distributing treated seed for planting.	Minor	A, C, D							
	Major	C, D, E, F, G	0 - 400	F, G	400 - 1000	F, G	600 - 1000	F, G, H	800 - 1000
9. Selling, giving away or using treated seed for any purpose other than planting.	Minor								
	Major	A, C, D, E, F, G, H	0 - 400	F, G, H	400 - 1000	F, G, H	600 - 1000	F, G, H	800 - 1000
10. Detach, alter, deface or destroy any label required in regulations, or any test data required to use for labeling.	Minor								
	Major	A, C, D, F, G	0 - 400	F, G	400 - 1000	F, G	600 - 1000	F, G, H	800 - 1000

ENFORCEMENT ACTION OPTIONS

**A) Warning letter
10% Late Charge**

**C) Stop Sale
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PENALTY MATRIX

Arkansas Plant Act and Seed Certification Act

VIOLATION	Violation Level	1st Level of Enforcement		2nd Level of Enforcement		3rd Level of Enforcement		4th Level of Enforcement	
		Enforcement Action	Civil Penalty Fine	Enforcement Action	Civil Penalty Fine	Enforcement Action	Civil Penalty Fine	Enforcement Action	Civil Penalty Fine
11. Failure to keep records or make records available for inspection.	Minor	A							
	Major	F, G	0 - 400	F, G	400 - 1000	F, G	600 - 1000	F, G, H	800 - 1000
12. Sell, offer for sale, or distribute seed as certified, registered or foundation grade without being produced and or labeled in compliance with rules/regulations of certifying agency.	Minor								
	Major	A, C, D, E, F, G	0 - 400	E, F, G	400 - 1000	E, F, G	600 - 1000	E, F, G, H	800 - 1000
13. Representing a lot as "Certified Seed" without an official seed certifying agency label attached to each container.	Minor								
	Major	A, C, D, E, F, G	0 - 400	E, F, G	400 - 1000	E, F, G,	600 - 1000	E, F, G, H	800 - 1000
14. Representing agricultural seeds which are indistinguishable by seed characteristics to be of a recognized variety, without having adequate information for such representation.	Minor	A, C, D							
	Major	E, F, G	0 - 400	E, F, G	400 - 1000	E, F, G	600 - 1000	E, F, G, H	800 - 1000
	Minor								
	Major								

ENFORCEMENT ACTION OPTIONS

**A) Warning letter
10% Late Charge**

**C) Stop Sale
D) Inspection Fee**

**E) Referral to Fed. Regulatory/Testing Branch
F) Informal Agreement**

**G) Board/Committee Hearing
H) Referral to Pros. Attorney**

ARKANSAS ARBITRATION LAW

ARKANSAS CODE OF 1987 ANNOTATED

Chapter 23

Arbitration of Defective Seed Claims

- 2-23-101. Definitions.
- 2-23-102. Prerequisite to legal action — Notice — Arbitration committee.
- 2-23-103. Seed dealer or labeler may request investigation — Requirements.
- 2-23-104. Arbitration committee — Members.
- 2-23-105. Committee purpose.
- 2-23-106. Committee — Meetings — Informal hearing.
- 2-23-107. Committee — Investigation and report — Findings as evidence.
- 2-23-108. Committee — Investigative powers.
- 2-23-109. Committee records.
- 2-23-110. Notice.

2-23-101. Definitions.

As used in this subchapter:

- (1) “Advertisement” means all representations other than those on the label written, recorded, or published and distributed by the labeler;
- (2) “Agricultural seed” means the seeds of grass, forage, cereal, oil and fiber crops, and any other kinds of seed commonly recognized within this state as agricultural seeds and mixtures of such seed;
- (3) “Arbitration committee” means the committee established by the director under this subchapter to hear and make determinations in mandatory, nonbinding arbitration cases;
- (4) “Buyer” means a person who purchases agricultural seeds;
- (5) “Chairperson” means the person selected by the arbitration committee from among its members to preside over arbitration hearings;
- (6) “Dealer” means any person, individual, partnership, or company who distributes agricultural seeds;
- (7) [Repealed.]
- (8) “Label” means the display or displays of written, printed, or graphic matter upon or attached to the container of seed or as required by regulations established under the Arkansas Plant Act of 1917, § 2-16-201 et seq.;
- (9) “Labeler” means the person, firm, corporation, or the registered code number whose name appears on the label or container of seed;
- (10) “Labeling” includes all labels, advertisements, and other written, printed, or graphic representations in any manner whatsoever pertaining to any seed, whether in bulk or in containers, and includes representations on invoices except for current, official publications of the United States Department of Agriculture and the United States Department of Interior, state experiment stations, state agricultural colleges, and other similar federal or state institutions or agencies authorized by law to conduct research;
- (11) “Person” means an individual, firm, partnership, corporation, or company; and
- (12) [Repealed.]

History. Acts 1991, No. 1024, § 1; 1999, No. 921, § 1; 2007, No. 827, §§ 3, 4.

2-23-102. Prerequisite to legal action — Notice — Arbitration committee.

(a) (1) When any buyer believes that he or she has been damaged by the failure of agricultural seed to produce or perform as represented by the labeling of the agricultural seed, as a prerequisite to the buyer's right to maintain a legal action against the dealer or labeler and within a reasonable time after the alleged defect or violation becomes apparent, the buyer shall file a written notice of intent to seek arbitration to permit inspection of the crops or plants during the growing season.

(2) A meeting shall be scheduled by the Director of the State Plant Board between the buyer and labeler for the purpose of resolving the dispute, or if the dispute is not resolved, for officially filing the complaint.

(3) The buyer shall make a sworn complaint against the dealer or labeler alleging the damages sustained or to be sustained and file the complaint with the director.

(4) **The buyer shall send a copy of the complaint to the labeler by United States registered mail.**

(b) (1) A filing fee of two hundred fifty dollars (\$250) plus one dollar (\$1.00) per acre filed on, not to exceed a total of seven hundred fifty dollars (\$750), shall be paid to the director with each complaint filed, and complaints shall be filed on forms provided by the State Plant Board.

(2) This fee shall be deposited in the Plant Board Fund in the State Treasury and may be used by the director to offset expenses of the investigation.

(c) Within ten (10) days after receipt of a copy of the complaint, the labeler shall file with the director the labeler's answer to the complaint and send a copy of the answer to the buyer by United States registered mail.

(d) (1) However, unless notice of this section is legibly printed or typed on the seed container or on a label affixed to the seed container or printed on the invoice covering bulk seed, the buyer shall not be required to comply with this section as a prerequisite to maintaining a legal action against the dealer or labeler.

(2) A notice in the following form, or some reasonably equivalent language, is sufficient:

“Notice of Mandatory Arbitration

NOTICE: As a prerequisite to maintaining a legal action based upon the failure of seed to which this label is attached to produce as represented, a consumer shall file a sworn complaint with the Director of the State Plant Board within such time as to permit inspection of the crops or plants during the growing season.”

(3) If language setting forth the requirement is not so placed on the seed package, analysis label, or invoice covering bulk seed shipments, the filing and serving of a complaint under this section are not required.

History. Acts 1991, No. 1024, § 2; 1999, No. 921, § 2.

2-23-103. Seed dealer or labeler may request investigation — Requirements.

(a) (1) Any seed dealer or labeler against whom suit is brought in any state or federal court by a buyer who alleges that he or she has been damaged by the failure of seeds purchased from a seed dealer to perform as labeled, may request an investigation by the arbitration committee.

(2) A filing fee of two hundred fifty dollars (\$250) plus one dollar (\$1.00) per acre filed on, not to exceed a total of seven hundred fifty dollars (\$750), shall be paid by the party.

(b) The Director of the State Plant Board shall refer the complaint and the answer to the complaint to the arbitration committee provided in § 2-23-104 for investigation, findings, and recommendations on the matters complained of.

History. Acts 1991, No. 1024, § 2; 1999, No. 921, § 3.

2-23-104. Arbitration committee — Members.

(a) (1) (A) The Director of the State Plant Board shall appoint an arbitration committee composed of six (6) members and six (6) alternate members with one (1) member and one (1) alternate to be appointed upon the recommendation of each of the following:

(i) The President of the Arkansas Seed Growers Association;

(ii) The President of the Arkansas Seed Dealers Association;

(iii) The President of the Arkansas Farm Bureau Federation; and

(iv) The Director of the Agricultural Council of Arkansas.

(B) Terms for seed grower, seed dealer, farm bureau, and agricultural council members shall be for four (4) years.

(2) The members and alternates shall be confirmed by the Governor.

(3) (A) The Director of the University of Arkansas Agricultural Experiment Station, or his or her designee or alternate, and the Director of the University of Arkansas Cooperative Extension Service, or his or her designee or alternate, shall serve as ex officio members.

(B) Ex officio members shall serve until replaced by their organizations.

(4) Recommending organizations shall submit member recommendations not less than thirty (30) days prior to the expiration day of an expiring term.

(5) Each alternate member shall serve only in the absence of the member for whom he or she is an alternate.

(6) Members of the committee may receive expense reimbursement in accordance with § 25-16-901 et seq.

(b) (1) The committee shall elect a chairperson from its membership and the director, or his or her designee, shall serve as secretary of the committee and shall not vote.

(2) It shall be the duty of the chairperson to conduct all meetings and deliberations held by the committee and to direct all other activities of the committee.

(3) It shall be the duty of the secretary to keep accurate and correct records on all meetings and deliberations and perform other duties for the committee as directed by the chairperson.

History. Acts 1991, No. 1024, § 2; 1997, No. 250, § 5; 1999, No. 921, § 4.

2-23-105. Committee purpose.

(a) The purpose of the arbitration committee is to assist agricultural seed buyers and agricultural seed dealers or labelers in determining the facts relating to matters alleged in complaints made by buyers against dealers or labelers. The committee may make rules and

regulations to carry out the purposes of this act.

(b) The committee may recommend money damages be paid the buyer as a result of alleged failure of seeds to produce as represented by the labeling of the seed and may also recommend that the seed dealer or labeler reimburse the buyer for the amount of the filing fee paid by the buyer.

History. Acts 1991, No. 1024, § 2; 1999, No. 921, § 5.

2-23-106. Committee — Meetings — Informal hearing.

(a) The arbitration committee may be called into session by the Director of the State Plant Board or upon the direction of the chairperson to consider the matters referred to it by the board.

(b) If the committee determines that an informal hearing should be conducted to allow each party an opportunity to present his or her respective side of the dispute, attorneys may be present at the hearing to confer with their clients, but may not participate directly in the proceedings unless requested to do so by the chairperson of the arbitration committee.

History. Acts 1991, No. 1024, § 2.

2-23-107. Committee — Investigation and report — Findings as evidence.

(a) When the Director of the State Plant Board refers to the arbitration committee any complaint made by a buyer against a dealer or labeler, the committee shall make a full and complete investigation of the matters complained of and at the conclusion of the investigation, report through its secretary the findings and recommendations to the buyer and to the labeler by United States registered mail.

(b) (1) The report of arbitration shall be binding upon all parties to the extent, if any, that they have so agreed:

(A) In any contract governing the sale of the seed; or

(B) Prior to the official filing of arbitration.

(2) In the absence of an agreement to be bound by arbitration, a buyer may commence legal proceedings against a seller or assert such claim, as a counterclaim or defense in any action brought by the seller, at any time after the receipt of the report of arbitration.

(3) (A) In any litigation involving a complaint which has been the subject of arbitration under this section, any party may introduce the report of arbitration as evidence of the facts found in the report, and the court may give such weight to the committee's findings and conclusions of law and recommendations as to damages and costs as the court may see fit based upon all the evidence before the court.

(B) The court may also take into account any findings of the committee with respect to the failure of any party to cooperate in the arbitration proceedings, including any

finding as to the effect of delay in filing the arbitration claim upon the committee's ability to determine the facts of the case.

History. Acts 1991, No. 1024, § 2; 1999, No. 921, § 6.

2-23-108. Committee — Investigative powers.

(a) In conducting its investigation, the arbitration committee may:

(1) Examine the buyer on his or her use of the seed of which he or she complains and the dealer or labeler on his or her packaging, labeling, and selling operation of the seed alleged to be faulty;

(2) Grow to production a representative sample of the alleged faulty seed through the facilities of the state, under the supervision of the Director of the State Plant Board, when such action is deemed by the committee to be necessary;

(3) Hold informal hearings at a time and place directed by the chairperson of the committee upon reasonable notice to the buyer and the dealer or labeler; and

(4) Seek evaluations from authorities in allied disciplines, when deemed necessary.

(b) Any investigation made by less than the whole membership of the committee shall be by authority of a written directive by the chairperson, and the investigation shall be summarized in writing and considered by the committee in reporting its findings and making its recommendations.

History. Acts 1991, No. 1024, § 2; 1999, No. 921, § 7.

2-23-109. Committee records.

The committee shall keep a record of its activities and reports on file in the State Plant Board.

History. Acts 1991, No. 1024, § 2.

2-23-110. Notice.

The consumer and seedsman shall give written notice to the department of the acceptance or rejection of the arbitration committee's recommended terms of settlement within thirty (30) days from the date such recommended terms of settlement are issued by the arbitration committee.

History. Acts 1991, No. 1024, § 2.

ADDENDUM



Procedures And Guidelines

for

Printing

Arkansas Certified Labels & BT Bags



Arkansas Department of Agriculture
Seed Certification Section
1 Natural Resources Drive
Little Rock, AR 72205

Phone 501-225-1598 Fax 501-225-7213
Regulatoryseed@agriculture.arkansas.gov

Procedures and Guidelines for Printing Arkansas Certified Labels & Blue Tag Bags

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Section I: Introduction

This manual is designed for Arkansas Certified Seed Growers who have been approved to print their own Arkansas Certification Labels and/or Certified Blue-Tag (BT) Bags. These instructions provide the procedures needed to consistently print accurate Arkansas Certified Seed Labels & BT Bags, so that the buyer and seller have accurate information and receive the maximum amount of protection.

IMPORTANT: Arkansas Certified Seed may not be sold without an Arkansas Department of Agriculture (ADA) Seed Laboratory analysis report for purity and germination showing the lot is approved for the certified class applied for (BT or REG).

LABELING CONSIDERATIONS - GENERAL:

(A) Which labeling system will be used?

Stick on Labels are the most popular type because both the analysis and certification information is printed on the label.

The **Blue Tag Bag** system of labeling makes use of Preprinted bags that generally have the analysis, certification logo and statement preprinted on the bag and only the individual information for a each lot is stamped on the bag. Some approved growers use bags that are blank except for the Certification Logo and Statement. **There are 2 types of BT Bag Logos used:**

- 1) The majority of the approved growers use BT Bags with the Arkansas Emblem on them.
- 2) A few approved growers that produce seed under a partnership program (example: Syngenta's TGN Program) use BT Bags with the AOSCA Emblem on them.

(B) What class is the seed?

If the seed is Registered class, the purple label must be used, and if the seed is of the Certified-BT class, the blue label must be used. Only the Certified-BT class can be used in BT Bags.

(C) Is the seed a U.S. Protected Variety?

If the variety is a protected variety then the appropriate statement must be used, describing the type of protection, etc.: (**see page 10 for further information**).

- 1) **"Unauthorized Propagation Prohibited, U.S. Protected Variety"**.
- 2) **"Unauthorized Propagation Prohibited, U.S. Variety Protection Applied for"**.
- 3) In addition to the above statement, If the PVP certificate specifies sale only as a class of certified seed (**Title V**), the statement must also read: **"Seed of this variety may be sold by variety name only as a class of certified seed."**

- 4) The PVP Statement should also clearly indicate whether the seed is protected under the **1970 PVPA** or the **1994 PVPA**.

D. What Equipment will be used for printing labels?

Label printing equipment must be able to clearly, uniformly, and consistently imprint all required information in the appropriate location on the label. Hand-written labels are not acceptable and although typewriters can do an acceptable job, they are not practical except for small lots.

E. How will the labels be attached?

Pressure sensitive labels are best applied to a bag that is clean, dry and warm. Place the label near the top of the bag and avoid covering any markings on the bag. If the label will be sewn on the bag, care should be given to not sew through any of the printing on the tag.

Section II: Overview for Obtaining / Maintaining Labeling Privileges for AR Certified Seed

A. Receiving Label Printing Privileges

Circular 15: Official Standards for Seed Certification in Arkansas, Section 0, 3. states:

3. Blue-tag Bags/Preprinted labels: Labeling for Blue Tag Class seed may be imprinted directly on the container in lieu of using tags. In this case the Blue Tag Class certification label may be printed on the container at the factory. Orders for containers printed in this manner shall be filed with the Arkansas Department of Agriculture for prior approval before being printed. Each applicant is responsible for seeing that his certified seed is correctly bagged and labeled. Tags will be issued and orders for pre-printed containers will be approved on orders from the applicant only.

An applicant has the option of having the Arkansas Department of Agriculture print the complete analysis on the certification tag, or he may have the tags issued showing his permit number or other identification numbers, or if equipped and approved may label the containers for Blue Tag Class seed in lieu of using tags. In cases where the applicant completely prints his tags or labels, he shall furnish the Arkansas Department of Agriculture a true copy of a specimen tag or label for each lot so labeled and when labeled. In no case can the analysis used be below the minimum standards established for the Class and crop being certified. The Arkansas Department of Agriculture will make periodic checks and/or audits to verify the correct use and disposition of certified tags, pre-printed containers, and other labeling used.

New Applicants for label or pre-printed bag printing privileges must be made to the Seed Certification Office using the *Application for Label Printing Privileges* form in this manual.

The applicant must be an Arkansas Certified Seed Grower and have an Arkansas Certification Permit and a Seed Dealer/Labeler's License. The Grower must be able to demonstrate the ability to properly print certified seed labels.

B. Maintaining Label Printing Privileges

Once these privileges are granted, the labeler becomes responsible for his/her continued participation in the program. The labeler must ensure the accuracy and completeness of all printed labels before transfer of seed to the customer.

Records must be kept of all labels & bags printed and of the number used or unused or destroyed. Labels on which printing errors have been made or on which erroneous information has been included must be destroyed.

The labeler must submit the required reports of certification labels used to the Seed Certification Office as outlined in the procedures.

C. Loss of Label Printing Privileges

Failure to maintain the conditions of eligibility listed above for receiving label printing privileges, or failure to adhere to the procedures and guidelines outlined in this manual, may lead to a review and possible suspension of label printing privileges.

Section III: Label Printing Procedures and Guidelines

A. Application for Label Printing Privileges

1. **New applicants** should use the application form in this manual or request an application from the Seed Certification Office. Complete *Application for Label Printing Privileges* (See form - page 20) and print sample labels included with the application.
2. Arkansas Department of Agriculture Seed Certification office will review application and check sample labels for legibility and accuracy.
3. Upon successful application and demonstration of label printing capability, the applicant will be granted label printing privileges.

B. Obtaining Blank Labels

The labeler must order blank certification labels from Arkansas Department of Agriculture Seed Certification office by placing an order by phone, fax, or e-mail. Specify the class needed (Blue-tag or Registered) and the type - single or 4-across labels.

C. Printing Labels

1. Labels must be complete, accurate and legible. Information must be printed in the appropriate location on the label. Labels containing printing errors or that have been printed but not used may not be re-used and must be destroyed. Do not hand-write labels.

Be sure the correct variety name is used on the label. Check for the proper spelling and complete name on the latest issue of the AR Certified Seed Directory. (Example: Coker 9663 is the correct variety name - not 9663 or C 9663.)

Purity % and Germination % cannot be greater than that reported by the Arkansas Department of Agriculture Seed Laboratory. Inert %, Other Crop Seed %, Weed Seed %, Noxious Weed Seeds per pound, and Hard Seed % cannot be lower than reported on the analysis.

The labeler may print analysis information that represents a lower quality than that reported by the seed laboratory (i.e. a seed analysis report with a 98% germ may be labeled at 90% germ, or a seed analysis report with 0.0% weed seed may be labeled at 0.01% weed seed).

2. **Label maximum allowable analysis:**
 - a) The **minimum** percentage for pure seed on all crops is **98.00%**.
 - b) The **maximum** percentage for inert matter all crops is **2.00%**.
 - c) The **minimum** percentage for germination is **80%** for **rice** and

soybeans, and **85%** for **wheat** and **oats**.

- d) The **maximum** allowable analysis for other crop and weed seed can be taken from the table below:

Maximum Allowable Analysis for Other Crop & Weed Seed			
KIND	Class	OTHER CROP	WEED SEED
SOYBEANS	FD	NONE	0.01 - 0.03% (suggested)
	REG	.05%	0.01 - 0.03% (suggested)
	BT	.18%	0.01 - 0.03% (suggested)
WHEAT	FD	.01%	0.01 - 0.03% (suggested)
	REG	.03%	0.01 - 0.03% (suggested)
	BT	.08%	0.01 - 0.03% (suggested)
RICE	FD	NONE	0.03% (Maximum allowed)
	REG	NONE	0.03% (Maximum allowed)
	BT	.06%	0.08% (Maximum allowed)

3. “SuperBags” Or Bulk Boxes Sealed And Sold As Units

Companies that do not have the ability to use identical weights in these containers may leave the weight on the label blank as label is being printed. Then, hand print the individual weight for each container when weighing and applying labels.

4. Printing Interagency Labels:

Seed that is bulk transferred from another state on a Bulk Transfer Form must be sampled and tested by the Arkansas Department of Agriculture for a complete analysis in order to be sold as certified seed. After the seed makes Class, certified labels may be printed. The following statement must be on the label:

“Grown and Field Inspected in _____. Tested & Labels Printed in Arkansas.”
State

The certification permit number used on the label for interagency seed should be the number assigned by the Arkansas Department of Agriculture Certification Office for the out-of-state company who bulk transferred the seed into Arkansas. Call the Certification Office for this permit number before printing labels.

D. Reporting Labels Used

1. Labelers will report labels used for each print run on a quarterly basis and at the end of the season pay any fees due. (Labelers may send these label usage reports on a daily or weekly basis if preferred.) Labeler must have a system in place to verify label accuracy before distribution to the consumer.

Each print run is to be reported by attaching a printed label to a Form 33A: Certified Labels Printed by Company (See form - page 21), listing:

- a) the total quantity of labels printed,
- b) number of labels voided (misprinted, destroyed, or extra),
- c) completing and initialing the label quality checklist for accuracy for the run or seed lot.
- d) Note - For labels with serial numbers, the report must include the beginning and ending serial numbers of the labels used for the run.

Note: **Labelers utilizing pre-labeled bags must adhere to the additional guidelines specific for that program listed on Section IV page 7- 9.**

2. An annual accounting of labels printed is required. The *Form 33E : Company-Printed Labels / Blue-Tag Bag Inventory and Usage Report* form must be completed and returned to Arkansas Department of Agriculture by the due date. (See Form on page 24)

At the end of the crop season, the Certification Office will send an audit report listing all the lots a company has printed that have been compiled from the Form 33A's submitted during the season. (If a company is also using pre-printed BT bags, these will be included on the audit report.) (See examples of Audit Reports on page 17-19) Any additional labels or bags printed and not yet submitted to the Certification Office, should be added to the total and form 33A's submitted at this time. Also, any returned seed bags that have been destroyed and the seed sent to the mill, should be subtracted from the total amount sold. Fees should be calculated from these totals and sent with the completed audit report form.

DEADLINES: Labelers must report label activity at the end of the season. All Rice & Soybean reports and fees must be submitted to the Arkansas Department of Agriculture Seed Certification Office by **August 31st**. All Small Grains reports and fees must be submitted to the Arkansas Department of Agriculture Seed Certification Office by **December 31st**.

3. An annual on-site audit will be required to verify compliance. In December of each year, an area inspector will perform an on-site audit to check records and verify the ending number of labels and/or BT bags on hand. Quarterly checks will also be made to verify number of labels on hand.

Section IV: Pre-Printed Bags Procedures & Guidelines

Pre-printed seed bags have a blank certification label printed on them as part of the bag manufacturing process. Special printing equipment and greater operator skill is required for printing labeling information in the label area on the bag. Special considerations should also be given to label placement and design requirements.

Two types of emblems can be used on pre-printed bags:

1. The Arkansas Certification Emblem & disclaimer statement or
2. The AOSCA Certification Emblem & disclaimer statement (mainly used by companies certifying in multiple states).

A. Application for Blue-Tag Bag Printing Privileges

1. New applicants should use the application form in this manual or request an application from the Seed Certification Office. Complete *Application for Label Printing Privileges* and submit the bag design(s) with the application.
2. Current approved labelers must submit any changes to their current bag design, prior to ordering.
3. Arkansas Department of Agriculture Seed Certification office will review application and/or check bag design for accuracy, verifying the required information is present:
 - a) Blue Certification Emblem
 - b) Certification Statement: "This seed has been inspected and approved under Act 73, of Acts of 1931 by the Arkansas Department of Agriculture, Seed Section. The container bearing this tag when properly sealed contains Arkansas Certified Seed of known pedigree. This seed has been inspected in the field and after harvest and has been found to meet the standards for the Class indicated. Arkansas Department of Agriculture, Little Rock, Arkansas"
 - c) Analysis info for the crop kind, net weight, origin, certification number and seedsman's name & complete address may be pre-printed on the bag or may be stamped at time of bagging along with the variety, lot and date of test.
 - d) A PVP legend may be pre-printed on the bag with a place for the appropriate code in the labeling area, or a space must be available for stamping any required PVP Protection information.
 - e) In lieu of attaching treatment labels to each bag of treated seed, a treatment legend may be pre-printed on the bag with a place for the appropriate code in the labeling area.
 - f) If desired, an area for labeling approximate seeds per pound may also be on the label.
4. Upon successful application and demonstration of label printing capability, the applicant will be granted label printing privileges.

B. Use of Pre-printed Bags

1. Labelers are required to notify the Seed Certification Section upon receipt of bag supplies from manufacturers, and send a copy of the shipping documents showing number of certification Blue-tag bags ordered/received.
2. Only the Certified Blue-Tag class will be allowed. Foundation and Registered class will not be allowed to use pre-printed bags.
3. Pre-labeled bags may not be used for non-certified seed.
4. **Be sure the correct variety name is used on the label.** Check for the proper spelling and complete name on the latest issue of the AR Certified Seed Directory. (Example: Coker 9663 is the correct variety name - not 9663 or C 9663.)
5. Maximum allowable analysis for Pre-labeled bags:
 - A) The **minimum** percentage for pure seed on all crops is **98.00%**.
 - B) The **maximum** percentage for inert matter all crops is **2.00%**.
 - C) The **minimum** percentage for germination is **80%** for **rice** and **soybeans**, and **85%** for **wheat** and **oats**.
 - D) The **maximum** allowable analysis can be taken from the table below:

Maximum Allowable Analysis for Other Crop & Weed Seed			
KIND	Class	OTHER CROP	WEED SEED
SOYBEANS	BT	.18%	0.01 - 0.03% (suggested)
WHEAT / OATS	BT	.08%	0.01 - 0.03% (suggested)
RICE	BT	.06%	0.08% (Maximum allowed)

6. Misprinted Blue-tag bag information may be replaced by a blue Certified seed label provided that conflicting information has been completely marked out so as to be unreadable before the new label is attached. Foundation and Registered class labels will not be placed over the Certified class label area.
7. **Printing Interagency Labels:**

Seed that is Bulk Transferred from another state on a Bulk Transfer Form must be sampled and tested by the Arkansas Department of Agriculture for a complete analysis in order to be sold as certified seed. After the seed makes

Class, certified Blue-tag bags may be printed. The following statement must be on the label area of the bag:

“Grown and Field Inspected in _____. Tested & Labels Printed in Arkansas.”
State

The certification permit number used on the label for interagency seed should be the number assigned by the Arkansas Department of Agriculture Certification Office for the out-of-state company who bulk transferred the seed into Arkansas. Call the Certification Office for this permit number before printing labels.

8. Non-adherence to the program may result in suspension or loss of privilege.

C. Reporting Bags Used

1. Labelers are required to submit a sample copy of the label area for each lot printed on a quarterly basis and at the end of the season pay any fees due. (Labelers may send these label usage reports on a daily or weekly basis if preferred.) Labeler must have a system in place to verify label accuracy before distribution to the consumer. The number of bags printed, misprinted or destroyed for the lot shall be included with the sample copy attached to Form 33C: Certified Blue-tag Bags Printed by Company. (See form - page 22)

2. An annual accounting of pre-labeled bags is required. The *Form 33E : Company-Printed Labels / Blue-Tag Bag Inventory and Useage Report* form must be completed and returned to Arkansas Department of Agriculture by the due date.

At the end of the crop season, the Certification Office will send an audit report listing all the lots a company has printed that have been compiled from the Form 33C's submitted during the season. (If a company is also printing regular labels, these will also be included on the audit report.) (See examples of Audit Reports on page 17-19) Any additional labels or bags printed and not yet submitted to the Certification Office, should be added to the total and form 33C's submitted at this time. Also, any returned BT-bags that have been destroyed and the seed sent to the mill, should be subtracted from the total amount sold. Fees should be calculated from these totals and sent with the completed audit report form.

DEADLINES: Labelers must report label activity at the end of the season. All Rice & Soybean reports and fees must be submitted to the Arkansas Department of Agriculture Seed Certification Office by **August 31st**. All Small Grains reports and fees must be submitted to the Arkansas Department of Agriculture Seed Certification Office by **December 31st**.

3. An annual on-site audit will be required to verify compliance. In December of each year, an area inspector will perform an on-site audit to check records and verify the ending number of BT bags on hand. Quarterly checks will also be made to verify number of BT bags on hand.

Section V: Plant Variety Protection (PVP) Labeling

Seed that is applied on for Plant Variety Protection must have a statement to that effect on the label. The correct labeling for PVP is complicated by the fact that some (older varieties) are protected under the 1970 PVP Act and some varieties are protected under the ammended 1994 PVP Act.

Also, additional complications are added depending on whether the PVP certificate is applied for, issued, or specifies a requirement that the seed be a class of certified seed.

If a U.S. Plant Variety Protection (PVP) certificate has been issued, the variety is considered a U.S. Protected Variety and the label must state, **“U.S. Protected Variety, Unauthorized Propagation Prohibited”**.

If the U.S. Plant Protection (PVP) certificate has been applied for, the variety is considered a U.S. Protected Variety and the label must state, **“U.S. Variety Protection Applied for, Unauthorized Propagation Prohibited”**.

If the PVP certificate specifies sale only as a class of certified seed (**Title V**), the statement must also read: **“Seed of this variety must be sold by variety name only as a class of certified seed.”**

The PVP Statement should also clearly indicate whether the seed is protected under the 1970 PVPA or the 1994 PVPA.

For **1994** PVP Protected Varieties -

Use the appropriate language from the following list on the label:

1. Unauthorized Propagation Prohibited - U.S. Variety Protection Applied For. PVPA 1994.
2. Unauthorized Propagation Prohibited - U.S. Variety Protection Applied For Specifying Seed of this Variety Is to be Sold By Variety Name Only as a Class of Certified Seed- PVPA 1994.
3. Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1994.
4. Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1994.

For **1970** PVP Protected Varieties -

Use the appropriate language from the following list on the label:

1. Unauthorized Propagation Prohibited - U.S. Variety Protection Applied For. PVPA 1970.
2. Unauthorized Propagation Prohibited - U.S. Variety Protection Applied For Specifying Seed of this Variety Is to be Sold By Variety Name Only as a Class of Certified Seed- PVPA 1970.
3. Unauthorized Propagation Prohibited - U.S. Protected Variety-PVPA 1970.
4. Unauthorized Propagation Prohibited - To be sold by Variety Name Only as a Class of Certified Seed - U.S. Protected Variety - 1970.

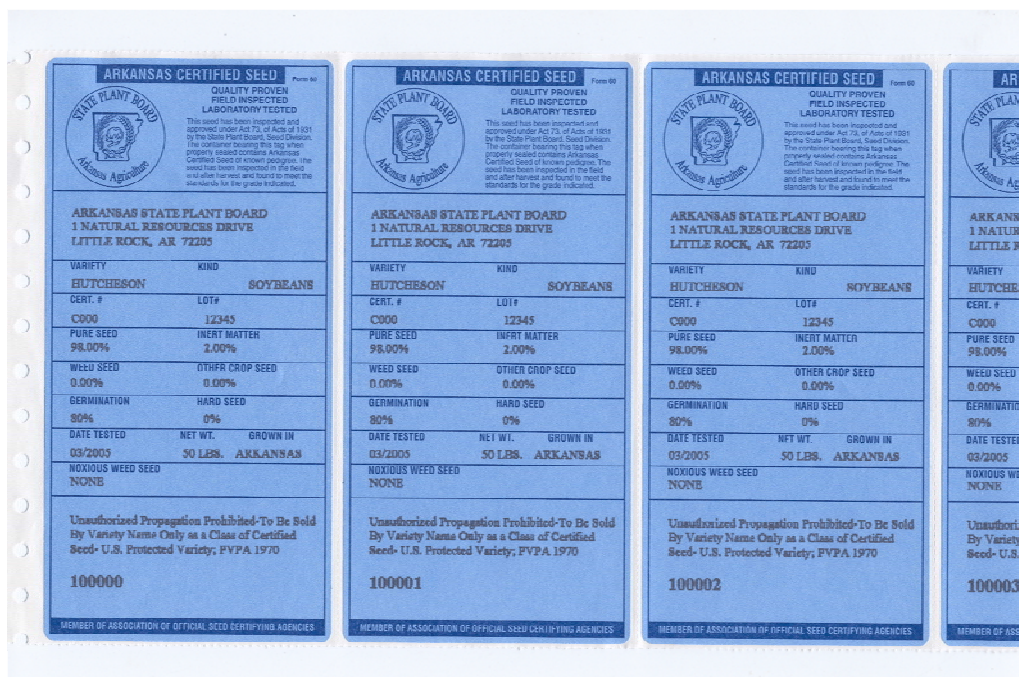
Some companies use a pre-printed PVP Legend on the bag with an arrow or line connecting the legend to the code number on the label. Example of code:

- 0 or blank for Not Protected
- 1 for PVP 1970 Protected
- 2 for PVP 1970 Protected with Title V Option
- 3 for PVP 1994 Protected
- 4 for PVP 1994 Protection Applied For
- 5 for PVP 1994 Protected with Title V Option
- 6 for PVP 1994 Protection Applied For with Title V Option

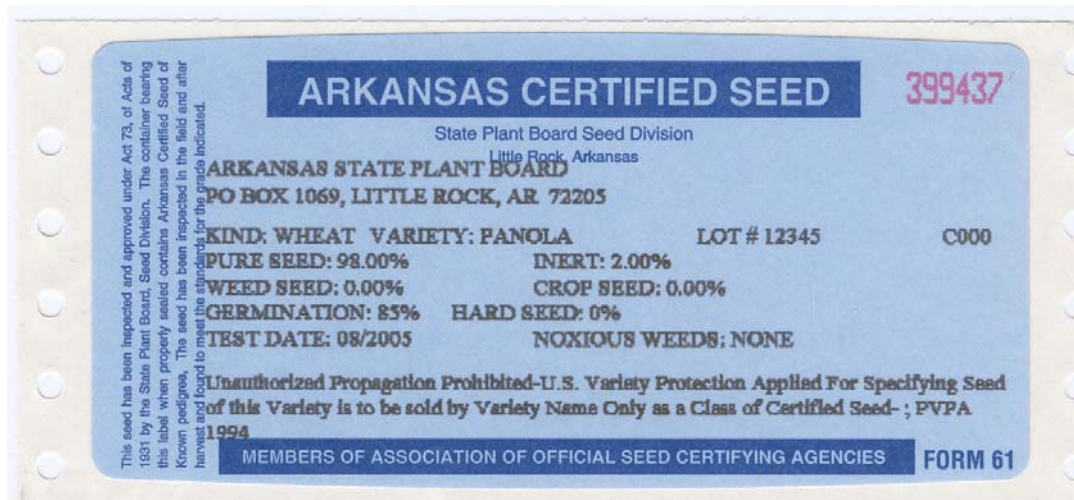
Samples of Label Types

Blank labels are ordered from Arkansas Department of Agriculture Seed Certification Section. The most common type used is the pressure sensitive with self-adhesive backing. They are available as pin-fed (tractor-fed) for printing either in 4-across or single label type.


Example of 4-across label type: These have the headings for the required info preprinted in blue. Label printing equipment must be able to clearly, uniformly, and consistently imprint all required information in the appropriate location on the label.



Example of single label type: This is basically a blank label. The headings for the required information will have to be manually entered and printed along with the information on label.



Examples of How to Print Labels

ARKANSAS CERTIFIED SEED <small>Form 60</small>		
 <p>QUALITY PROVEN FIELD INSPECTED LABORATORY TESTED</p> <p><small>This seed has been inspected and approved under Act 73, of Acts of 1931 by the State Plant Board, Seed Division. The container bearing this tag when properly sealed contains Arkansas Certified Seed of known pedigree. The seed has been inspected in the field and after harvest and found to meet the standards for the grade indicated.</small></p>		
<p>ARKANSAS STATE PLANT BOARD 1 NATURAL RESOURCES DRIVE LITTLE ROCK, AR 72205</p>		
VARIETY	KIND	
HUTCHESON	SOYBEANS	
CERT. #	LOT#	
C000	12345	
PURE SEED	INERT MATTER	
98.00%	2.00%	
WEED SEED	OTHER CROP SEED	
0.00%	0.00%	
GERMINATION	HARD SEED	
80%	0%	
DATE TESTED	NET WT.	GROWN IN
03/2005	50 LBS.	ARKANSAS
NOXIOUS WEED SEED		
NONE		
<p>Unauthorized Propagation Prohibited-To Be Sold By Variety Name Only as a Class of Certified Seed- U.S. Protected Variety; FVPA 1970</p> <p>100000</p>		
<small>MEMBER OF ASSOCIATION OF OFFICIAL SEED CERTIFYING AGENCIES</small>		

LABEL MUST HAVE:

- (1) *Labeled by* – Name and complete address of person or company responsible for label information.
- (2) Certification Permit # of producer of the seed
- (3) *Variety and Crop Kind* – e.g. “Wells Rice” or “Hutcheson Soybeans”.
- (4) *Pure Seed % & Germination % (and Hard Seed %)* - Equal to or less than that % reported by the Arkansas Department of Agriculture Seed Lab**.
- (5) *Inert %, Other Crop Seed %, Weed Seed %, Noxious Weed Seeds per pound*, - Equal to or more than that reported by the Arkansas Department of Agriculture Seed Laboratory**.

Note: The Percentages of Pure Seed, Inert, Weed Seed & Other Crop must total 100.00%

- (6) *Lot Number* – Lot number of the seed in the bag.
- (7) *Date Tested* – Month and year of the lab test.
- (8) *Net Weight* – The net weight (in pounds) of the seed in the labeled bag.
- (9) *Grown In* - the origin (state) where produced. (Interagency statement must be used if grown in another state.)
- (10) *PVP Protection statement*, if variety is protected or applied on for PVP protection.

CAN HAVE: (1) Other seed information such as seeds per pound, etc. The Labeler will be responsible for accuracy of this information.

**Consult specific crop standards for minimum and maximum values allowed for certified seed.

Labeling PVP Protected Varieties:

The label for a variety that has PVP or Title V protection must contain the appropriate PVP statement. Information regarding PVP statements may be found on page 10 of this manual. For specific Varietal PVP and Title V protection levels, consult the AR Certified Seed Directory, or contact the Arkansas Department of Agriculture Seed Certification Office.

Example: PVP statement for a variety receiving protection under the 1994 PVP Act. In this example the variety also has Title V protection and may be sold only as a class of certified seed



If a variety received PVP protection under the 1994 Amended Act it should be noted in the PVP statement

Be sure the correct variety name is used on the label. Check for the proper spelling and complete name in the latest issue of the AR Certified Seed Directory. (Example: Coker 9663 is the correct variety name - not 9663 or C 9663.)

This seed has been inspected and approved under Act 73, of Acts of 1931 by the State Plant Board, Seed Division. The container bearing this label when properly sealed contains Arkansas Certified Seed of known pedigree. The seed has been inspected in the field and after harvest and found to meet the standards for the grade indicated.

399431

ARKANSAS CERTIFIED SEED

State Plant Board Division
Little Rock, Arkansas

ARKANSAS STATE PLANT BOARD
PO BOX 1069, LITTLE ROCK, AR 72205

KIND: WHEAT VARIETY: COKER 9663 LOT # 12345 C000

PURE SEED: 98.00% INERT: 2.00%

WEED SEED: 0.00% CROP SEED: 0.00%

GERMINATION: 85% HARD SEED: 0%

TEST DATE: 08/2005 NOXIOUS WEEDS: NONE

Unauthorized Propagation Prohibited-To Be Sold By Variety Name Only as a Class of Certified Seed- U.S. Protected Variety; PVPA 1994

MEMBERS OF ASSOCIATION OF OFFICIAL SEED CERTIFYING AGENCIES FORM 61

Form 60

ARKANSAS CERTIFIED SEED

**QUALITY PROVEN
FIELD INSPECTED
LABORATORY TESTED**

This seed has been inspected and approved under Act 73, of Acts of 1931 by the State Plant Board, Seed Division. The container bearing this tag when properly sealed contains Arkansas Certified Seed of known pedigree. The seed has been inspected in the field and after harvest and found to meet the standards for the grade indicated.

ARKANSAS STATE PLANT BOARD
1 NATURAL RESOURCES DRIVE
LITTLE ROCK, AR 72205

VARIETY CHENIERE	KIND RICE
CERT. # C000	LOT# 12345
PURE SEED 98.00%	INERT MATTER 2.00%
WEED SEED 0.00%	OTHER CROP SEED 0.00%
GERMINATION 80%	HARD SEED 0%
DATE TESTED 03/2005	NET WT. GROWN IN 50 LBS. LOUISIANA
NOXIOUS WEED SEED NONE	

Unauthorized Propagation Prohibited-U.S. Protected Variety Specifying Seed of this Variety is to be sold by Variety Name Only as a Class of Certified Seed; PVPA 1994

**GROWN & FIELD INSPECTED IN LOUISIANA:
TESTED & LABELS PRINTED IN ARKANSAS.**


100000

MEMBER OF ASSOCIATION OF OFFICIAL SEED CERTIFYING AGENCIES

Seed that is bulk transferred from another state on a Bulk Transfer Form must be sampled and tested by the Arkansas Department of Agriculture for a complete analysis in order to be sold as certified seed. After the seed makes Class, certified labels may be printed.

Example: Interagency statement on label

Example of a Registered seed label:

ARKANSAS REGISTERED SEED <small>Form 63</small>		
 <p>QUALITY PROVEN FIELD INSPECTED LABORATORY TESTED</p> <p><small>This seed has been inspected and approved under Act 73, of Acts of 1931 by the State Plant Board, Seed Division. The container bearing this tag when properly sealed contains Arkansas Registered Seed of known pedigree. This seed has been inspected in the field and after harvest and found to meet the standards for the grade indicated.</small></p>		
<p>ARKANSAS STATE PLANT BOARD PO BOX 1069, LITTLE ROCK, AR 72205</p>		
VARIETY	KIND	
WELLS	RICE	
CERT. #	LOT #	
C000	12345	
PURE SEED	INERT MATTER	
98.00%	2.00%	
WEED SEED	OTHER CROP SEED	
0.00%	0.00%	
GERMINATION	HARD SEED	
80%	0%	
DATE TESTED	NET WT.	GROWN IN
03/2005	50 LBS.	ARKANSAS
NOXIOUS WEED SEED		
NONE		
<p>UNAUTHORIZED PROPAGATION PROHIBITED; U.S. PROTECTED VARIETY. PVPA 1994; PATENTED</p>		
100000		
<small>MEMBER OF ASSOCIATION OF OFFICIAL SEED CERTIFYING AGENCIES</small>		

Minimum requirements for Registered Seed are higher than for the Certified Seed Class. Be sure you have the correct standards when printing registered labels.

Some varieties are both PVP Protected and Patent Protected. As a courtesy, patent information can be included on the label if the variety owner provides the information that the variety is patented.

APPENDIX

FORMS



Asa Hutchinson
Governor

ARKANSAS DEPARTMENT OF AGRICULTURE

1 Natural Resources Drive, Little Rock, AR 72205
agriculture.arkansas.gov
(501) 225-1598



Wes Ward
Secretary of Agriculture

APPLICATION FOR LABEL & BAG PRINTING PRIVILEGES (FORM: Printing Privileges Application)

Company:

Physical Address:

E-mail:

Phone:

Applying for label printing privileges (YES / NO):

Brand and model of printer:

Applying for Pre-Printed Blue-Tag Bag printing privileges (YES / NO):

Bag Type:

Valve-Pak

Other

Bag Style:

Arkansas Certified Seed Logo

AOSCA Certified Seed Logo

Private Brand:

Bag Supplier:

Bag Supplier Address:

Bag Supplier E-mail:

Bag Supplier Phone:

Information to be manually printed by the seed company within the label area:

Crop Kind	Variety Name	Certification Number	Lot Number
Pure Seed	Weed Seed	Other Crop	Inert
Germination	Hard Seed	Date of Test	Net Weight
Noxious Weeds (none)	State of Origin	PVP Statement	Other
Labeler Name	Labeler Address		

APPLICANT HAS READ THE SEED LABEL PRINTING MANUAL. Once these privileges are granted, the labeler becomes responsible for his/her continued participation in the program. The labeler must ensure the accuracy and completeness of all printed labels before transfer of seed to the customer. Records must be kept of all labels & bags printed and of the number used, unused or destroyed. Labels on which printing errors have been made or on which erroneous information has been included must be destroyed. The labeler must submit the required reports of certification labels used to the Seed Certification Office as outlined in the procedures. Applicant understands that the privilege to print labels / bags may be canceled at any time for failure to observe requirements. Applicant understands that the Arkansas Department of Agriculture will make periodic checks to verify the correct use and disposition of certified labels, pre-printed containers and other labeling used.

Signature:

Printed Name:

Date:

This report must be completed for each blue-tag bag lot printed and submitted weekly or quarterly to:
Arkansas Department of Agriculture - Seed Office, 1 Natural Resources Drive, Little Rock, AR 72205

CERTIFIED BLUE-TAG BAGS PRINTED BY COMPANY (Pre-Printed Paper Bags)

Company Name _____ Lot # _____ Variety/Kind _____

Date Lot Printed: _____ Blue-Tag Bag Balance Brought Forward: _____

Total # of Bags printed: _____ - _____ = _____ Number of Blue-Tag Bags Remaining: _____
 Total **Voided** **Total Valid**

NOTE: Fees owed on seed sold in Blue-Tag bags are \$0.08 per bag. At the end of the crop season, these should be totaled, subtracting any bags that were returned (split and sent to the mill). A Preprinted Labels / BT Bags Audit Report will be sent listing all the lots printed and sent in to the Certification Office for your review, so fees owed can be calculated.

LABEL QUALITY CHECK: <input type="checkbox"/> Checked By _____ (Initials)			
<input type="checkbox"/> Print Placement & Legibility	<input type="checkbox"/> Correct PVP statement used	<input type="checkbox"/> Certification No.	<input type="checkbox"/> Lot Number
<input type="checkbox"/> Crop Kind	<input type="checkbox"/> Variety Name	<input type="checkbox"/> Germination	<input type="checkbox"/> Hard Seed
<input type="checkbox"/> Date of Test	<input type="checkbox"/> Preprinted on bag: Pure seed, Inert, Weed Seed, Crop Seed (Totals 100.00%); Noxious Weed Statement, Net Weight, State of Origin, Company Name & Complete Address		

Label should show a complete imprint of analysis and other information printed on bags

Attach Bag Label Here or Staple to Form

COMPANY-PRINTED LABELS / BLUE-TAG BAG INVENTORY and USAGE REPORT

The end-of-season report is necessary for continued use of the Company-Printed Label and/or Pre-Printed Bag programs. The information provided will be used for validation checks by an Arkansas Department of Agriculture Seed Certification Auditor or Inspector.

This information is due at the end of each crop season (August for Soybeans & Rice and January for Small Grains) unless other arrangements are made.

Company/Location: _____ Date: _____

	Company-Printed Labels		Pre-Printed (Blue-Tag) Bags
	Registered Grade	Blue-Tag Grade	Crop Kind(s): _____
A. Beginning Inventory			
B. Blue-Tag Bags OR Blank Labels purchased (attach invoices for BT-bags not already mailed)			
C. Total Bags / Labels Used			
D. Voided bags or labels (damaged or destroyed at end of season on seed un-sold)			
E. Ending Inventory (will be "A" on next season's report) (A + B) - (C + D) = E			

F. Where are the remaining bags and/or blank labels stored? (list all locations at which unused bags and/or blank labels are stored for on-site verification purposes)

G. A Form 33A -Certification Labels Printed By Company form and/or a Form 33C - Certified Blue-Tag Bags Printed By Company form must be completed for each lot of labels / bags printed. Please attach any reports not yet submitted to the Seed Certification Office.

Name of person who completed this form (print) _____

Return completed form and documentation to: Arkansas Department of Agriculture - Seed Section
1 Natural Resources Drive
Little Rock, AR 72205

This report is required for continued participation in the Pre-Labeled Bag program.