

REGULATIONS ON PLANT DISEASES AND PESTS

This circular is issued in September, 1997, by the **Arkansas State Plant Board**. Other regulations issued by the Plant Board are covered in other circulars. Address correspondence to State Plant Board, P.O. Box 1069, Little Rock, AR 72203.

PARTIAL INDEX

- Section I. Public Nuisance Declared
- Section II. Regulations on Vegetable and Small Fruit Plants
- Section III. Regulations for Nursery Stock, Nurserymen, Nursery Dealers,
Nursery Agents and Nursery Landscape Contractors
- Section IV. Fees
- Section V. Stop-Sale
- Section VI. Regulations Concerning the Movement into the State of Sweet
Potatoes from Areas Infested or Suspected of Being Infested with
Sweet Potato Weevil
- Section VII. Miscellaneous Regulations
- Section VIII. Quarantines
- Addendum A. Enforcement Policy Penalty Matrix

Approved and Issued by:

ARKANSAS STATE PLANT BOARD

Under Authority of:

The Plant Act (A.C.A." 2-16-201 through 214)

Emergency Plant Act (A.C.A. " 2-16-301 to 310)

Nursery Fraud Act (A.C.A. " 2-21-101 through 113)

Arkansas Boll Weevil Suppression Eradication Act (A.C.A "2-16-601 through 617)

SECTION I. PUBLIC NUISANCE DECLARED. The following plant diseases, insect pests and noxious weeds, under the provisions of the Arkansas Plant Act (A.C.A. ' 2-16 - 201 et seq) are hereby declared to be a public nuisance, including anything infected, infested or contaminated therewith. The extent to which these plant diseases, insect pests and noxious weeds are regulated is covered in this and other Plant Board circulars. Italicized pests are intent of horticulture inspections.

A. Plant Disease Pests Listed

1. *Chestnut blight* (chestnut and chinquapin)
2. *Phony peach, peach mosaic and peach rosette*
3. Fusiform and other gall rusts of pines
4. Texas root rot (cotton and other plants)
5. *Oak wilt (oak, chestnut and other trees and shrubs)*
6. *Cedar-apple rust*
7. *Fire blight (pear, apple and other plants)*
8. *Root knot nematode*
9. *Soybean cyst nematode*
10. *Foliar nematodes (Aphelenchoides besseyi and others)*
11. *Crown gall and other infectious galls*
12. *Hairy root of apple and rose*
13. *Bacterial spot of peach*
14. *Strawberry dwarf*
15. *Red stele of strawberry*
16. *Virus diseases on horticultural crops*
17. *Strawberry yellows (genetic)*
18. *Infectious cankers*
19. *Bacterial spot of tomato*
20. *Alternaria and septoria leaf spots of tomato*
21. *Late blight of tomato*
22. *Camellia petal blight*
23. *Azalea petal blight*
24. Hoja blanca disease of rice
25. *Internal cork of sweet potato*
26. *Black rot of sweet potato*
27. *Stem rot of sweet potato*
28. *Anthracnose on various host plants*
29. *Pink root of onion*
30. Sting nematode
31. *Blight and leaf spots damaging to plants*
32. *Collar rot*
33. *Dutch Elm disease*
34. *Phloem necrosis*
35. *Bud rot on strawberries*
36. *Fusarium wilt of tomatoes (all races)*
37. *Blueberry nursery stock diseases*
38. *Pinewood nematode*
39. Blackleg of rape
40. *Rose Rosette*

B. Insect Pests Listed

1. Pink bollworm (cotton and okra)
2. *Sweet Potato weevil*
3. Fruit flies (fruit and vegetable) does not apply to *Drosophila*
4. Khapra beetle and other stored grain insects
5. Bruchids and other pest of seeds (seeds of crops and other plants)
6. *Japanese Beetle (trees, fruits, vegetables and other plants)*
7. *Gypsy and Browntail moths and other leaf-feeding insects (trees, shrubs and other plants)*
8. *Fire ant, Argentine ant, carpenter ant and other injurious ants*
9. *Vegetable weevil*
10. *White-fringed beetle*
11. European chafer
12. Termites
13. Powderpost beetles
14. *San Jose scale and other scale insects*
15. *Wooly Aphis*
16. *White flies*
17. *Strawberry crown borer*
18. *Pine tip moth and other insects attacking pine shoots*
19. Oriental fruit moth
20. *Borers of all kinds*
21. *European red mite and other spider mites*
22. *Bagworms and other leaf-eating insects*
23. *Thrips*
24. *Aphids*
25. Harlequin bugs
26. Roaches and other household insect pests
27. *Elm leaf beetle*
28. Cereal leaf beetle
29. Southern pine beetle
30. *Brown garden snail, or any other plant destroying snail*
31. Asian Ambrosia Beetle

C. Noxious Weeds Listed

1. Field bindweed (*Convolvulus arvensis*)
2. *Nut grass (Cyperus rotundus)*
3. *Wild onion and/or wild garlic (Allium spp.)*
4. Johnson grass (*Sorghum halapense*)
5. Dodder (*Cuscuta spp.*)
6. Bermudagrass (*Cynodon dactylon*)
7. Cheat or Chess (*Bromus secalinus*)
and/or (*Bromus commutatus*)
8. Darnel (*Lolium temulentum*)
9. Corncockle (*Agrostemma githago*)

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10. Horsenettle (*Solanum carolinense*)
11. Purple nightshade (*Solanum elaeagnifolium*)
12. Buckhorn plantain (*Plantago lanceolata*)
13. Bracted plantain (*Plantago aristata*)
14. Rumex spp.
15. Blueweed (*Helianthus ciliaris*)
16. Morning Glory (*Ipomea* spp.)
17. Hedge Bindweed (*C. sepium*)
18. Red rice (*Oryza sativa* var.)
19. Curly indigo (*Aeschynomene virginica* **indica**)
20. Tall indigo or coffee bean (*Sesbania exaltata*)
21. Giant foxtail (*Setaria faberi*)
22. Witchweed (*Striga* spp.)
23. Crotalaria (*Crotalaria* spp.)
24. Cocklebur (*Xanthium* spp.)
25. Moonflower (*Calonyction muricatum*)
26. Alligatorweed (*Alternanthera* spp.)
27. Balloonvine (*Cardiospermum halicacabum*)
28. Itchgrass (*Rottboellia exaltata*)
29. Thistle (*Carduus*, *Cirsium*, *Onopordum*, *Silybum*, *Scolymus*, *Salsola* and other genera)
30. Serrated Tussock (*Nassella trichotoma*)
31. *Purple Loosestrife* (*Lythrum salicaria*)
32. Barnyardgrass (*Echinochloa crusgalli*)
33. **Tropical Soda Apple (*Solanum viarum*)**

Any foreign insect, plant disease or weed which may be brought into Arkansas and whose habits and injuriousness under the conditions of agriculture in Arkansas are unknown, is regarded as dangerous and is declared to be a public nuisance.

SECTION II. REGULATIONS ON VEGETABLE AND SMALL FRUIT PLANTS.

A. Regulations on the Sale of Vegetable Garden Plants including Sweet Potato and Strawberry Plants. Any person selling, offering for sale, or transplanting for sale any vegetable garden plants including sweet potato and strawberry plants for planting purposes within or into the State of Arkansas shall meet the following requirements.

1. Sale in bulk is prohibited, except at production site to a local consumer.
2. Each container in which plants are offered for sale shall be conspicuously labeled in legible English language with the following:
 - a. Name and address of producer
 - b. Arkansas Permit Number
 - c. Varietal name
 - d. If sold in bundles:

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1. Number of plants per bundle
2. Number of bundles in container
3. The above information may be stenciled, engraved or embossed on the containers, printed or rubber stamped on tags or labels attached to the containers, or on stakes displayed in each container, or displayed in any combination of these methods desired by the producer.
4. In addition to the above, each bundle of sweet potato plants shall also carry an individual label showing the producer's name and address. Bundle labels shall be supplied by the producer.
5. Every container or bundle which does not display complete labeling as described above shall be subject to an immediate Stop-Sale Order.
6. No Arkansas Permit Number shall be issued for sweet potato plants or vine cuttings originating in an area in which the sweet potato weevil is known to exist.
7. **Securing Arkansas Permit Numbers.**
 - a. **Arkansas Producers.** Permit Numbers will be assigned to Arkansas producers upon receipt of Plant Board application forms and the required inspection fees. Even though a Permit Number has been assigned, no sales shall be made until a producer's plants have been inspected and found reasonably free of insects, diseases and noxious weeds. The Plant Board shall cancel a Permit Number anytime the producer's plants are found infested with insects, plant diseases and noxious weeds which may be disseminated with the plants, as declared in Section 1.

Producers who wish to have their own rubber stamps, printed labels, special tags or stakes made with their Permit Number included thereon shall file applications early enough to allow time for this. The Plant Board does not supply labels or tags of any kind for plants.

- B. **Out-of-State Producers.** Arkansas Permit Numbers may be obtained by out-of-state producers by filing:
 - a. Application forms provided by the Plant Board
 - b. Official certificates of inspection of state of origin
 - c. Appropriate Annual Registration fees

If early application, before inspections have been made, should be necessary to allow time for the preparation of rubber stamps, printed labels, special tags or printed stakes with the Arkansas Permit Number included thereon, the application shall be accompanied by a statement from a Plant Regulatory Official of the state involved certifying that the producer's plants will be kept under periodic inspection during the shipping season and that certificates of inspection will be filed with

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the Plant Board as inspections are made. The statement shall also certify that anytime a producer's plants do not pass inspection the State Plant Board shall be notified so the Arkansas Permit Number can be canceled.

By special permission of the Director, plants may be brought into Arkansas without Permit Numbers, to be inspected by Plant Board inspectors at a specified destination point on arrival, and Permit Numbers issued if plants are found to be reasonably free of diseases, insects and noxious weeds.

For fees or charges by the Plant Board, See Section IV, Fees.

Special Regulations for the Production of Non-Certified Strawberry Plants.

1. **Filing Application.** Application on forms furnished by the Plant Board may be made by either the grower or by shipper contracting for grower's plants, and must be made at least 10 days before inspection is desired and must be accompanied by necessary fees. To help insure against the red stele disease, no application will be accepted on a field known to have been exposed to red stele, for example, by drainage from a known-infested field, or if the mother-plants have come from a known-infested field. If possible, applications should be made by September 1. If application is made by contractor, a copy of the contract must accompany the application. Also verification must be made as to variety, source, quantity and quality of plants used to plant fields to be inspected.
2. **Field Inspections.**
 - a. **First-year fields** set with either Arkansas or out-of-state certified plants will be given fall inspection, and then certified for digging, up to February 15, after which date if any plants are still undug a red stele inspection will be made, and if found satisfactory, will be reapproved.
 - b. **1st-year fields** set with non-certified plants can be given fall inspection, **plus** red stele inspection after March 15 or sooner if conditions are such that a satisfactory inspection can be made before that date, and then be approved.
 - c. **1st-year fields** set with non-certified plants, if they average 3 rooted runner-plants per mother-plant at blooming time, can be inspected for red stele at blooming time, and again in the fall and then be approved.
 - d. **2nd-year fields**, regardless of source of plants, can be inspected for red stele at blooming time, and again in the fall and then be approved.

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- e. **Fall inspection** will be made as nearly as possible between September 1 and October 31. Inspectors will dig and examine not less than 100 plants per acre, taking plants from not less than 15 places per acre, well distributed. (a) Fields will be condemned if more than 3% of plants show root-knot nematodes, or if more than 3% of new plants show crown borer signs, or if more than 10% of old and new plants combined show crown borer signs. (b) Fields will be condemned if more than 3% of the plants are affected with either summer dwarf, yellows, or bud rot, except that fields containing not more than 10% of any of these, if rouged down to the 3% tolerance and reinspected, will be passed. (c) Fields generally or severely infested with leaf spot or scorch will be condemned. (d) Fields containing noxious weeds, such as wild garlic or nut grass, which might be spread in the bundles of plants, will be condemned. On fields which pass fall inspection, **strawberry plant certificates** will be issued, dated to expire February 15, under which plants from said fields may be sold up to that time. This applies to fields set with inspected plants only.
 - f. **Red Stele Inspection.** If fall-inspected and-passed fields are not dug by February 15, another inspection must be made before they are sold, and if the plants are then found free of disease, a new certificate will be issued which will be valid for the remainder of the shipping season, expiring June 30. Inspectors will dig and examine not less than 100 plants per acre, taking plants from a number of places well-distributed. The location of places of digging plants shall be at the discretion of the inspector. He will make every effort to dig plants in area where red stele is likely to be most evident. Plants will be examined by slicing several roots on each plant so that the stele of the root is exposed. Should even 1 plant show red stele, this will disqualify the entire field (suspected plants will be sent to the University of Arkansas, Plant Pathology Department for confirmation).
3. **Certificates.**(1) Strawberry plant certificates, both those expiring February 15 and those expiring June 30, will be issued only to the growers of the plants, for use on their own plants that are inspected and approved. (2) **Nursery Certificates** (or dealer's certificates), instead of strawberry plant certificates, will be issued to growers or contractors who deal in bought strawberry plants, in addition to their own plants, or who grow other nursery stock in addition to strawberry plants. A complete record of all sales must be kept by the applicant and shall be made available to the Plant Board upon request.

Note: For Regulations governing the production of certified, that is, Foundation, Registered, Certified Blue Tag, or Certified Green Tag strawberry plants, contact the Plant Board office.

For fees charged, see Section IV, Fees.

C. Special Regulations for the Production of Certified Seed Sweet Potatoes and Sweet Potato Plants.

- 1. **Filing Application.** Growers desiring to produce certified seed sweet potatoes must file application on forms furnished by the Plant Board, along with the necessary fees, by June 15 of each year. Applications for the certification of sweet potato plants must be filed at least 30 days prior to the bedding of the seed, along with the necessary fees.

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Application forms will be furnished for this purpose. Applicants must agree to get prior approval of bedding sites, bed only Arkansas certified seed, and sell only Arkansas certified plants.

2. **Inspections.** Fields for the production of certified seed shall be inspected twice during the growing season by Plant Board inspectors to determine freedom from diseases, insects and noxious weeds. To qualify, fields must be in a reasonably good state of cultivation and free enough from weeds and grass so that a complete observation of the sweet potatoes can be made at each inspection. Also, fields must be apparently free of disease, insects and noxious weeds as declared in Section 1 that might be disseminated with the seed.

At least one or more inspections of plant beds shall be made during the selling season, and to qualify plants must be reasonably free of diseases, insects, and noxious weeds as declared in Section 1, that may be disseminated with the plants.

At least one storage or bin inspection shall be made on seed potatoes for certification. Potatoes shall be so stored that they are accessible for a complete inspection, and no chance of contamination by other potatoes. If potatoes are found to be free of disease and insects and have qualified in other respects they are eligible for certifications.

3. **Grade Standards.** Seed sweet potatoes which are sold as certified shall meet the following standards. They must be smooth, free from dirt, breaks, cracks, serious crooks, bruises, decay, decayed spots, disease sign, and insect damage or signs. They must be from one inch to three and one-half inches in diameter, and at least three inches and not over nine inches long, and not over 5% may be round, or oval shaped, unless the buyer specifies "field run" in which case any potatoes over one-half inch in diameter may be included. They must be packed in new containers.
4. **Records.** Applicants shall keep a complete set of records in regard to sales and upon request records shall be made available to the Plant Board.

For fees charged, see Section IV, Fees.

SECTION III. REGULATIONS FOR NURSERY STOCK, NURSERYMEN, NURSERY DEALERS, NURSERY AGENTS AND NURSERY LANDSCAPE CONTRACTORS.

Nursery stock as defined in the Nursery Fraud Act (ACA ' 2-21-101 to 113) shall include all field-grown florist stock, trees, shrubs, vines, cuttings, grafts, buds, fruit pits and other seeds of fruit and ornamental trees and shrubs, and other plants and plant products for propagation, except field, vegetable and flower seeds.

A. Sale and Transportation of Nursery Stock.

1. All nursery stock sold or transported within or into the State of Arkansas shall have attached to the outer container thereof either a certificate of inspection or a dealer's certificate. If transported within or into the State of Arkansas by means other than a common carrier, the driver of the vehicle must have in his possession either a certificate of inspection or a dealer's

MARK UP -----MARK UP-----

certificate, a copy of which shall be given to the person or to each of the several persons to whom the nursery stock is delivered.

2. Any person desiring to ship nursery stock into Arkansas shall:
 - a. File with the Plant Board an official certificate of inspection showing that the nursery has been inspected and found reasonably free of insect pests, plant diseases and noxious weeds. Or, this information may be certified to the Plant Board by the nursery inspection official of the state of origin.
 - b. Attach a valid copy of the certificate of inspection of the state of origin to each package, box or bundle of nursery stock shipped into Arkansas. On multiple-order shipments, a certificate must be attached to each individual order as well as to the outer package. On container-grown or balled and burlapped bulk shipments, a certificate may be attached to the invoice covering each delivery.
3. No fee shall be charged out-of-state nurserymen or dealers who deliver nursery stock to Arkansas nurserymen and dealers, or who ship directly from their out-of-state locations to Arkansas purchasers.
4. Any person who is selling nursery stock in person within the state directly to the consumer must obtain either a nursery dealer, nurseryman, agent or nursery landscape contractor license and pay the prescribed annual fee.

B. Inspection of Nurseries, Dealer's Stocks and Sales by Agents and Nursery Landscape Contractors.

1. All nurseries shall be inspected at least once each year for insect pests, plant diseases, and noxious weeds, and a written notice of the findings of such inspection shall be given by the Plant Board to the owner or manager of each nursery. Upon the inspection of the nursery and proper fulfillment by the nurseryman in charge thereof of the requirements and conditions contained in said notice and upon full payment of the fees and costs hereinafter prescribed, the Plant Board shall issue a certificate of inspection. Application for inspection of nurseries must be made by August 15 of each year.
2. Nursery dealers and/or agents are required by law to have a valid license issued by the State Plant Board prior to offering for sale or selling nursery stock in Arkansas. Stock of nursery dealers and that sold by nursery agents shall be inspected from time to time, inspections to be made in heel yards, in transit, and/or after stock has been sold. Dealers must provide facilities for keeping nursery stock in viable condition, either outdoors or indoors, and inspectors will check such facilities for compliance, as well as infestation of insect pests, plant diseases and noxious weeds.
3. Dealers in Nursery Stock. Any dealer who holds a nurseryman's license under the provisions of the Arkansas Nursery Fraud Act 1919, as amended, may secure a dealer's certificate by filing with the Board an affidavit stating that he will keep the Director informed of the names and addresses of the nurserymen from whom he secured his nursery stock and that he will not ship under his dealer's certificate any nursery stock unless the grower of said nursery stock is in

MARK UP -----MARK UP-----

possession of a valid certificate or permit issued by the Board.

- 4. Nursery Landscape Contractors. Those nursery dealers involved in the installation of ornamental or horticultural plants, or offering for sale, or selling nursery stock in Arkansas, through the planting of nursery stock for compensation, are considered to be nursery landscape contractors. If not already holding a valid Arkansas Nurseryman or nursery dealers license, nursery landscape contractors will be required to obtain a valid nursery landscape contractor license issued by the State Plant Board to perform such services.

Stock of nursery landscape contractors shall be inspected from time to time with inspections to be made in heelyards, in transit and/or after stock has been planted. Inspectors will check for viability of stock, infestations of insects, plant disease and noxious weeds.

Nursery landscape contractors that do not maintain a heelyard shall submit a list of no more than 10 contract jobs which have been completed within the last 12 months, so that inspection of plant materials can be made on site. This list of jobs must be submitted to the Arkansas State Plant Board by May 15th of the preceding licensed year.

- 5. Nurserymen, Nursery Dealers, Agents or Nursery Landscape Contractors. Must Make Records Available Upon Request. Nurserymen, nursery dealers, agents or nursery landscape contractors must make available invoices and applicable quarantine certificates on all sales of nursery stock upon request of the Authorized State Plant Board Designees.
- 6. Limited Nurseryman License. This category is required to have a valid license issued by the State Plant Board prior to offering for sale or selling nursery stock in Arkansas. The Limited Nurseryman License is defined by selling only plants which are propagated and produced by that grower. They are not allowed to broker other regulated plants, which were produced by another grower, nor are they allowed to supply another business to sell their plant materials. The Limited Nurseryman License status will be limited to those producing less than 500 square feet of nursery stock per year. This license does not include contracting or installation of nursery stock.

- C. Green-Colored Wax on Nursery Stock. The sale or offering for sale of rosebushes or their nursery stock covered with green-colored wax is prohibited in Arkansas.

For fees charges, see Section IV, Fees.

SECTION IV. FEES. The following annual and/or item fees shall apply to plants and nursery stock as covered by these regulations:

Limited Nurseryman License	\$75.00	Includes: Container or field grown stock solely propagated by themselves of no more than 500 square feet per year. To qualify for the Limited Nurseryman
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MARK UP -----MARK UP-----

License, please see Section III #6.

Nurseryman:

Level I Inspection Fee
including License Fee

\$150.00

Includes:
Container Grown Stock-
Less than 3 acres.

Field Grown Stock - Less
than 10 acres.

Level II Inspection Fee
including License Fee

\$300.00

Includes:
Container Grown Stock -More than 3
acres up to and including 10 acres.

Field Grown Stock - More than 10 acres
up to and including 25 acres.

Level III Inspection Fee
including License Fee

\$450.00

Includes:
Container Grown Stock-More than 10
acres up to and including 40 acres.

Field Grown Stock- More than 25 acres
and up to including 70 acres

Level IV Inspection Fee
including License Fee

\$600.00

Includes:
Container Grown Stock:
More than 40 acres.

Field Grown Stock - More than 70 acres

Nurseries having additional heelyards in
locations or towns other than at nursery
must obtain dealer's or agent's license for
each sales outlet.

Nursery Certificate Tags

15¢

each

Nursery Dealers: (& Agents)

Level I Inspection Fee

\$140.00

Level I License Fee

\$10.00

Includes:

MARK UP -----MARK UP-----

Container Grown Stock- Up to and including 5000 sq.ft. heelyard or display area.

Level II Inspection Fee \$290.00
 Level II License Fee \$10.00

Includes:
 More than 5,000 sq. ft. Up to and including 15,000 sq. ft. of heelyard or display area.

Level III Inspection Fee \$440.00
 Level III License Fee \$10.00

Includes:
 More than 15,000 sq. ft. Dealers having more than one sales outlet or display area must obtain dealer's or agent's license for each separate location.

Nursery Certificate Tags 15¢

each

Nursery Landscape Contractors:

Level I Inspection Fee \$140.00
 Level I License Fee \$10.00

Includes:
 If Landscape contractor maintains a heelyard this covers first 5,000 sq. ft. of that heelyard or display area. Also covers planting site inspection of plants where landscape contractor does not maintain a heelyard or display area.

Level II Inspection Fee \$290.00
 Level II License Fee \$10.00

Includes:
 Heelyard of more than 5,000 sq. ft. Up to and including 15,000 sq. ft.

Level III Inspection Fee \$440.00
 Level III License Fee \$10.00

Includes:
 Heelyards over 15,000 sq. ft.

Out-of-State Nurseries:

Registration Fee

Not required unless the state in which the nursery is located requires a registration fee of Arkansas nurseries. In such cases an equivalent fee will be charged.

MARK UP -----MARK UP-----

License Fee	\$10.00	(These fees apply only if nursery has agents selling within the state. In such cases will be planting site inspections will be made.)
Inspection Fee		
Inspection fee structure the same as in state.		

Horticultural:

Advice Certificate	1.00	
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**Strawberry Inspection:
State Inspected**

Application Fee	25.00	Not required when grower is also a nurseryman and has paid nursery fees.
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Inspection Fee	1.50	per each 1/4 acre
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Strawberry Inspection: Certified

Application Fee	50.00	
Inspection Fee	2.00	per each 1/4 acre
Certification Tags	15¢	each

Turf Grass Certification:

Application Fee	25.00	
Inspection Fee	3.00	per acre
Certification Tags	15¢	each

Sweet Potato Certification - Seed

Inspection Fee	25.00	for 1st acre, plus \$6.00 for each additional acre
Certification Labels	15¢	each

Sweet Potato Certification - Plants

Inspection Fee	10.00	plus 2 cents per square foot
Certification Labels	15¢	each

Non-Certified Sweet Potato Plant Beds:

Inspection Fee	10.00	plus 2 cents per square foot
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Sweet Potato Weevil Inspection:

Inspection Fee: Trapping	10.00	per acre
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Fumigated Sweet Potatoes	5¢	for each bushel
Unfumigated Sweet Potatoes	5¢	for each bushel

Vegetable, Garden, Truck and Strawberry Plants: (if grown in a medium containing soil)

Inspection Fee	10¢	per sq. ft. for plants to be sold from beds or in pots.
	10¢	for each flat of 240 sq. in. or less.
	15¢	for each flat of more than 240 sq. in.
	10.00	Minimum Fee

Out-of-State Vegetable, Garden, Truck and Strawberry Plants: (if grown in a medium containing soil)

Registration Fee	10¢	for each crate, box or basket of bundle plants.
	10¢	for each flat of 240 sq. in. or less.
	15¢	for each flat of more than 240 sq. in.
	50.00	Minimum Fee

Fees shall be calculated on the basis of previous sales in

Arkansas or on anticipated sales

(Subject to Audit) for new producers.

Permits for plants brought into state under special permission

20¢ each. Plants are inspected at destination. No registration fee

is required.

Phytosanitary Certificates (State Certificate)

Issuing Fee	15.00	each certificate
Sampling Fee (State or Federal)	7.50	each certificate when Plant Board must take sample.

Reinspection Fee: When an extra trip is made necessary because of late application, because of findings of a previous inspection, or for other reasons, an additional charge may be made as follows: \$30.00 for first one-half day or fraction thereof for each inspector, plus \$10.00 per hour for each inspector's time in excess of the one-half day.

SECTION V. Stop-Sale Notices.

Stop-Sales Notices. Plant Board inspectors will check for compliance with the regulations contained in Circular 11, as well as the laws under which they are promulgated. Stop-Sale Notices shall be issued for the following reasons:

- a. Selling, offering for sale, or transporting within or into Arkansas plants and nursery stock as herein regulated without being officially covered by a license and/or certificate or permit.
- b. Failure to label in accordance with the law and regulations as herein outlined.
- c. Selling, offering for sale or transporting within or into Arkansas for sale, plants and nursery stock as herein regulated that are diseased, insect-infested, containing noxious weeds, dead, or in weak condition.
- d. Mislabeled or misrepresented as to variety, count, size, quality, grade or condition.
- e. Shipped or moved from an area either within or outside Arkansas that is covered by a quarantine of the Federal or State government, without having been officially cleared and so documented.

When a stop-sale notice is issued, a copy shall be given to the person in possession of the stock in question. **As specified in the law, it shall be unlawful to sell, transport or dispose of in anyway, plants and nursery stock covered by a stop-sale notice, without first having been authorized in writing by the Plant Board.** The Plant Board reserves the right to publish a notice of quarantine of stock in the local newspaper against any person when it is deemed necessary for failure to comply with the proper disposal of condemned stock.

SECTION VI. Regulations Governing the Movement of Sweet Potatoes into the State from Areas Infested or Suspected of Being Infested with Sweet Potato Weevil.

- A. Sweet potatoes, or plants or vines thereof, which have been grown or stored in counties or parishes now or hereafter known to be infested with the sweet potato weevil, must not be transported into or stored, used, or distributed within the state of Arkansas, except as follows:
 1. Sweet potatoes must be moved only to consignee who holds a valid permit (issued on request) from the Arkansas State Plant Board, authorizing said consignee to receive shipments of fumigated potatoes between July 1 and January 31 of each year.
 2. Sweet potatoes must be fumigated with methyl bromide immediately prior to shipment in a manner approved by the Director of the Arkansas State Plant Board. (a) Only sweet potatoes which have been inspected and found apparently free of weevils will be eligible for fumigation. (b) Fumigation certificates signed by an authorized plant quarantine official, showing number of bushels, car number, dosage, time of exposure, temperature, name and address of consignor and consignee and any other information required by the Director, must be mailed to the Plant Board at Little Rock when the shipment is made. (c) Duplicate copy of certificate must be attached to waybill, or be in possession of the driver of vehicle. (d) Each container in the shipment must bear an official fumigation tag. (e) Sweet potatoes must be moved into Arkansas immediately after fumigation.

MARK UP -----MARK UP-----

3. Permit-holder (consignee) must notify the Plant Board, Little Rock, immediately on arrival of each shipment. With said notification, permit-holder must remit to the Plant Board a one cent fee for each bushel of sweet potatoes in said shipment.
4. Sweet potato plants or vines must not be transported into Arkansas under any condition.

The Plant Board will inspect on arrival as many of the fumigated shipments as possible. Should living stages of sweet potato weevil be found in any shipment, or should it be found that any of the provisions of this rule are not being complied with, the Director may invalidate any or all permits issued under this rule. The Director may cause to be destroyed, refumigated or removed from the state, any shipment in which live stages of the weevil are found.

- B. Exception for Canning Plants.** Sweet potatoes fumigated as described in Paragraphs 2 and 3 may be brought to canning plants for immediate canning at any time, provided culls and refuse are sterilized at the plant.

"Unfumigated sweet potatoes may be brought to canneries at any time provided the canner and broker or hauler has a signed Compliance Agreement on file with the Plant Board binding him to the following:

1. Special permission shall be obtained from the Director of the Arkansas State Plant Board before bringing weevil-area potatoes into the state. Permission shall be restricted to the following area and purpose:
 - a. **Area** - That section of Northwest Arkansas included in the following counties: Baxter, Benton, Boone, Carroll, Cleburne, Conway, Crawford, Faulkner, Franklin, Fulton, Independence, Izard, Jackson, Johnson, Lawrence, Madison, Marion, Newton, Pope, Pulaski, Randolph, Searcy, Sebastian, Sharp, Stone, Van Buren, Washington and White. Prohibited elsewhere in the state.
 - b. **Purpose** - Immediate canning only. Seed, bedding, table use, etc., prohibited, entire state.
2. Each load shall be accompanied by an official certificate of the state of origin showing apparent freedom from weevils.
3. Each load shall be officially sealed by the originating inspector and remain sealed until opened for canning.
4. Certificates and seals from each load shall be kept by cannery and surrendered to inspector upon request.
5. If shipped by rail at any time or truck between January 1 and July 1, certificates must show treatment of load with a pesticide recommended and registered for such use.
6. Shipment must be in tight rail cars or van-type trucks with vents screened. Tarpaulin-covered loads will not be accepted.

MARK UP -----MARK UP-----

7. Potatoes must be canned immediately upon arrival. In emergency cases potatoes may be unloaded and stored for not more than 48 hours in such a way that weevils, if present, cannot escape and cause infestation.
 8. No potatoes may be carried away from canning plant, and all must be canned except culls.
 9. Culls, wastes and cleanings must be:
 - a. Processed through lye vat at regular plant speed and temperature and flushed down drain, or
 - b. Collected in a tank covered with hot lye solution (Minimum 185 degrees F.), allowed to soak for 1 hour, then either buried 2 feet deep, flushed down drain, or fed to livestock immediately.
 10. After canning, plant premises must be thoroughly cleaned and sprayed with an insecticide to kill any live weevils thereon.
 11. Trucks and rail cars after unloading and before leaving premises must also be cleaned and sprayed as in number 10 above, and cleanings disposed of as in number 9 above.
 12. Plant Board inspectors will make periodical, unannounced inspections to check for conformity with all items stipulated herein, but will not necessarily remain through entire canning process each visit.
 13. Inspectors will recommend cancellation of this Agreement and withdrawal of the Director's special permission if serious discrepancies with the stipulations are noted.
 14. An inspection fee of 5 cents per bushel will be charged, based upon duplicate load certificates, which are received by the Plant Board office from the out-of-state inspector. These certificates and seal numbers must match those kept by the canner from each load and surrendered to Plant Board inspector."
- C. Sweet potatoes grown in counties or parishes which are free or which have been declared free of potato weevil will be admitted into Arkansas without fumigation, provided each load is accompanied by a certificate of the quarantine officer of the state where grown, giving name and address of grower, number of bushels in the load, destination of load, name of county or parish where grown, and certifying that said county or parish is free of sweet potato weevil, and the date issued.

SECTION VII. MISCELLANEOUS REGULATIONS

1. Sale or Transportation of Seed Irish Potatoes is prohibited within the state (Irish potatoes which are represented orally or in writing as being suitable for planting purposes) unless the potatoes have been inspected in the field and certified as true to variety and free from disease, by the official certification agency of the state in which they were grown; and the official certification tag of said state must be sealed to each bag or container thereof.

MARK UP -----MARK UP-----

Use of Misleading Words Prohibited. Seed Irish potatoes must not be accompanied by tags, labels, or other devices on which are used the words "Inspected or Certified" or on which are used any other word or words which might suggest a similar meaning, unless said potatoes have in fact been certified as to freedom from disease and as to varietal purity by the official certification agency of the state in which they were grown.

2. **Texas (Phymatotrichum) Root Rot.** Nursery stock, strawberry plants and vegetable plants grown or originating in the counties of Miller and Little River, and in any other counties in which the phymatotrichum root disease is hereafter found to exist, which are affected with said disease, shall be prohibited from moving into any other portion of the state or into other states.
3. The Director may refuse further services of the Plant Board to anyone who owes the Board for fees, until the fees are paid or until satisfactory arrangements are made for paying them.
4. **Phytosanitary Certificates.** For sampling, inspecting or analyzing, and issuing phytosanitary certificates for soybeans, rice, small grains, cottonseed, cottonseed meal, soybean meal, lumber and other plant products or plants, the charge will be \$15.00 per certificate.
5. **Plant Destroying Snails.** The Brown Garden Snail, **Helix aspersa**, has been reported in Arizona, California, Florida, Louisiana and South Carolina. It is a plant feeder and very destructive to many host plants. It is readily transported on infested nursery stock. The shipment, therefore, of nursery stock into Arkansas from infested states, or from any state hereafter found infested with this or any other snail known to be a serious plant pest, shall be subject to the following:
 - A. Nurseries in infested states who desire to ship plants into Arkansas shall file certificates of inspection with the Arkansas State Plant Board. As part of such certificate, or attached to it, there shall be a declaration signed by the state's regulatory officer stating that the nursery concerned has been inspected and found free of the Brown Garden Snail, **Helix aspersa**.

Amended certificates of inspection will also be accepted for nurseries which ship only:

- 1) Bare root nursery stock free of soil.
- 2) Cured bulbs free of soil.
- 3) Nursery stock from tightly enclosed greenhouses or other structures where official inspections are made to assure the enclosures are free of snails.

A valid copy of the state of origin certificate of inspection shall be attached to each package, box or bundle of nursery stock shipped into Arkansas, or to the invoice accompanying each bulk delivery of balled and burlapped or container-grown stock.

- B. Infested nurseries may ship plants into Arkansas under either of the following conditions:
 - 1) **Fumigation.** Certificates and invoices shall accompany each load showing that the stock has been fumigated in a gastight chamber with methyl bromide, 2 1/2 pounds per 1,000 cubic feet, 70 degrees F. or above, for 2 hours; or with HCN, 25cc per 100 cubic feet, 50 to 85 degrees

F., for 1 hour.

2) **Quarantine Area Certification.** Nursery stock will be accepted if accompanied by certificates and invoices showing that the plants have, under official supervision, been:

- a. Held in a separate, designated quarantine area for at least 30 days.
- b. Treated intermittently with baits and sprays.
- c. Inspected and reinspected for Brown Garden Snail.
- d. Completely free of harmful snails for at least 30 days.

C. Nursery stock or plant material arriving in Arkansas from an infested state without proper certification will be held under Stop-Sale Order until properly certified, or returned to the shipper at his expense, unless found infested with living Brown Garden Snails or other snails known to be serious plant pests.

D. Nursery stock or plant material found infested with Brown Garden Snail or any other dangerous plant pest will be destroyed, or fumigated at the shipper's expense, provided the infestation can be eliminated without hazard of spread of the pest during treatment.

6. **Fusarium Wilt of Tomatoes.** A new race of the tomato fusarium wilt organism (**Fusarium oxysporum f. sp lycopersici** race 2) has been found in the pink tomato section of Southeast Arkansas. This organism is a serious threat to commercial tomato production anywhere in the state. To prevent the spread of Race 2, or other new races which may hereafter develop, the following regulations shall apply to all producers of vegetable plants in Bradley and Drew Counties, and in every county where Race 2 or other new races may subsequently be found.

The movement of tomato plants within or from the above described regulated area is prohibited, except when such plants are produced under inspection of the State Plant Board and in compliance with the following special regulations:

- A. Soil used in beds, pots, cups, flats, pot-beds and cold frames for plant production, or to rest containers upon, shall be obtained from areas where tomatoes have not been grown in the past.
- B. Soil and/or soil-media mixtures shall be decontaminated by one of the following methods before use in plant production:
 - 1) Methyl Bromide fumigation (4 pounds per 100 cubic feet of soil for a minimum of 24 hours at 40 degrees F. or above).
 - a. Bulk soil shall be confined on a concrete slab or sheet of polyethylene plastic over the ground surface during fumigation.
 - b. Bulk soil shall be no more than 12 inches deep to assure gas penetration.

MARK UP -----MARK UP-----

- c. Holes shall be punched in the soil at 12 inch centers to facilitate gas penetration.
 - d. Soil in pot-beds, coldframes and holding areas shall be loosened as deep as practicable to assure gas penetration.
 - e. Fumigation covers shall be air tight (no holes).
 - f. Special care shall be taken when removing the cover to prevent recontamination with untreated soil.
- 2) Heat sterilization shall be acceptable if performed according to Extension Service recommendations (Misc. Publication 64, "Control of Disease and Insect Pests in the Plant Bed").
 - 3) Artificial media (new or unused peat, perlite, vermiculite, etc.) may be used without decontamination if reasonable precautions are taken against contamination with untreated soil (i.e., mixing on sterilized surfaces, etc.).
- C. All flats, boxes, pots, cups, tools, etc., which have been used in plant production or which have come in contact with untreated soil must be decontaminated, preferably by Methyl Bromide fumigation.
- D. Plant house interior surfaces must be decontaminated (all surfaces of benches, timber supports, heating and ventilating equipment, walls, ceilings, floors, etc.).
- 1) This shall also apply to surfaces of coldframes, pot-beds and holding areas.
 - 2) An effective decontaminant spray or drench may be prepared with 50% commercial Clorox, or with 1 gallon commercial formaldehyde to 18 gallons water. After using either material, ventilate until fumes can no longer be detected before growing plants (a few hours to several days for Clorox, longer for formaldehyde, depending upon conditions).
- E. Direct traffic from tomato fields to plant production areas must not be permitted.
- 1) Wash hands with soap and decontaminate shoes with 50% Clorox before entering the plant house, coldframes or holding areas.
- F. Locally grown seed shall not be planted.
- 1) A tag or invoice showing purchase of seed from an established seed firm must accompany application for inspection.
 - 2) In cases of dire necessity locally grown seed may be used if hot water treated (122 degrees F. for 25 minutes). Advance permission must be obtained from Director of Plant Industry Division.

MARK UP -----MARK UP-----

G. These regulations shall apply in addition to and do not replace any regulations now given in "Regulations On Plant Diseases and Pests" (Circular 11).

7. **Blueberry Nursery Stock.** The production of blueberries is a new and growing industry in Arkansas. Diseases such as red ringspot, necrotic ringspot, stunt and phytophthora root rot pose a serious threat to the blueberry industry, especially in its developing stages. To prevent the spread of these and other diseases by blueberry nursery stock the following regulations shall apply to all blueberry plants produced in Arkansas for sale.

A. **Mother Blocks.** All blueberry plants produced in Arkansas shall be grown from cuttings taken from mother blocks which have been established as prescribed by these regulations and kept under rigid inspection and rouging by the State Plant Board.

Mother blocks shall be established by one of the following methods:

- 1) Transplanting or clearly designating and setting apart plants which have been inspected and found to be free of serious diseases, including the above, or
- 2) Setting plants which have been indexed or otherwise officially determined to be free of harmful diseases, or
- 3) Setting plants which have been produced in an approved official certification program in Arkansas or another state, or
- 4) Setting plants which have been produced from cuttings from an officially approved mother block established and maintained as set out in these regulations.
- 5) **New Varieties.** When it appears advantageous to the Arkansas blueberry industry to bring in a promising new variety which does not qualify for entry under (a) through (d) above, cuttings, rooted cuttings or plants may be brought into Arkansas and grown in isolation under inspection, indexing or other testing until officially determined to be free of harmful insects and diseases. When such official determination has been made, said plants shall be eligible for the establishment of mother blocks as in (a) and (b) above.

Proof of origin in the form of affidavits or sales invoices or certification tags, shall be required for cuttings, rooted cuttings or plants which are to be used in establishing approved mother blocks if from a source other than the applicant nurseryman's own blocks.

B. **Mother Blocks:**

- 1) Shall not be fruited for production purposes.
- 2) Shall be clearly designated and set apart from fruiting fields and when possible located where they will not receive drainage from fruiting fields.
- 3) Shall be inspected by the State Plant Board as often as necessary and at optimum times for

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the detection of such diseases as red ringspot, necrotic ringspot, other virus diseases, stunt, phytophthora root rot, fungus cankers, crown gall, and harmful insects and mites.

- a. All obviously diseased or seriously infested plants found in a mother block shall be removed and destroyed within 10 days of inspection.
- b. Plants suspected of being diseased or infested shall be submitted to the appropriate department at the University of Arkansas for an official determination. Those plants officially determined to be diseased or seriously infested shall be removed and destroyed when such is determined to be necessary.

C. Production of Nursery Stock.

1) **Cuttings** taken from a mother block shall be:

- a. Rooted in beds on raised benches or raised gravel to break contact with the soil. If the bedding medium contains soil or is being reused the medium shall be fumigated with an approved fumigant according to label directions. Heat sterilization performed according to directions in Extension Circular 540, "Control of Diseases and Insect Pests in the Plant Bed," shall be acceptable. Artificial media (**new** peat, perlite, vermiculite, washed sand, etc.) may be used without fumigating or heat treating if reasonable precautions are taken against contamination.
- b. Rooted in beds located where they will not receive drainage from fruiting fields or mother plant blocks.

2) **Rooted Cuttings.** Rooted cuttings shall be transplanted to:

- a. Fields which have been fumigated with an approved fumigant according to label directions, or
- b. Containers in which the growing medium, if it contains soil or is being reused, has been fumigated or heat treated as in III (a) 1 above. Artificial media (**new** peat, perlite, vermiculite, washed sand, etc.) may be used without fumigating or heat treating if reasonable precautions are taken against contamination. Used containers shall be decontaminated by washing with 30% clorox solution before reusing. Containers shall be placed on raised benches or on raised gravel beds in such manner as to avoid contact of the plants or containers with contaminated soil or water.
Container blocks or field blocks shall be located where they will not receive drainage from fruiting fields or mother plant blocks.

3) **Nursery Stock.** Blueberry nursery stock when produced as prescribed herein may be sold as:

- a. Cuttings.
- b. Rooted Cuttings.

- c. Field-grown plants.
- d. Container-grown plants.

Proof of origin must be provided to the purchaser if the cuttings, rooted cuttings or plants are to be used in the establishment of new mother blocks or for the production of rooted cuttings or container-grown or field-grown plants for sale.

- D. **Application of Regulations.** These regulations shall apply in addition to and do not replace any regulations covering nursery stock now in effect as covered by Plant Board Circular 11, "Regulations on Plant Diseases and Pests," nor do they replace or supersede any requirement of the Arkansas Plant Act or the Arkansas Nursery Fraud Act.
 - E. **Fees.** The nursery license and inspection fees described in Circular 11, Section IV shall apply.
 - F. **Effective Date.** To avoid penalizing plant production by current methods while mother blocks are being established, these regulations shall become effective in two stages. Present plant production practices may be continued until December 31, 1984, after which date all cuttings shall be taken and started as prescribed in these regulations. After December 31, 1986 all cuttings, rooted cuttings and plants produced in Arkansas for sale shall be produced as set forth in these regulations.
8. **Lythrum Species (Including but not limited to Purple Loosestrife).** All Lythrum species including any hybrid cross thereof is hereby declared to be a public nuisance and designated a noxious weed. It is prohibited to transport, buy, sell, offer for sale, or to distribute Lythrum species inter or intra state. The planting of plants and/or plant parts including seed is strictly prohibited in the State of Arkansas.

9. Rules and Standards For Certification of Certified Blackberry Plants

The production of blackberry nursery stock is an important industry in Arkansas. Diseases such as rust, anthracnose, crown gall and viruses, as well as pests such as cane borers and nematodes pose a threat to the blackberry nursery industry. To prevent the spread of these problems by nursery stock, the following certification regulations shall apply to the production and sale of certified blackberry nursery stock in Arkansas.

- I. Definitions
- II. Certifying agency issuance of certificate
- III. Blackberry certification standards
- IV. Requirements for production of foundation, registered and certified blackberry stock
- V. Inspections
- VI. Inspection standards
- VII. General requirements for plants
- VIII. Blackberry certification fees
- IX. Certified planting stock pre-marketing, identification and grade
- X. Blackberry tagging or stamping and plant inspection
- XI. Application of regulations

I. Definitions

Board means the Arkansas State Plant Board.

Blackberry means cultivated *Rubus* species and related plants that are considered blackberry botanically.

Cane cutting is a cane section of two or more nodes or buds (length 4-6 inches) to be transplanted to produce a plant.

Crown is the persistent (perennial) base of the plant; the junction between canes and roots (some varieties have buds that arise primarily from the crown).

Director means the director of the State Plant Board or his duly appointed representative.

Hardwood cutting is taken from a mature woody stem for the purpose of propagation.

Indicator plant means any herbaceous or woody plant used to index or determine virus infection.

Indexing is a procedure to determine virus or other pathogen infection by inoculation from the plant to be tested to an indicator plant (grafted onto plant to be tested) or by any other approved method.

Mericlones are plants clonally propagated from a single meristem tip.

Micropropagation is plant multiplication *in vitro*. Blackberry is propagated in tissue culture by aseptic transfer of meristem tip cultures to produce Nuclear stocks.

Nodal cutting is a cane cutting with a single node to produce a plant.

One-year-old plants means well rooted plants that have developed during one growing season.

Primocane (succulent plants) is the current season's growth that develops from root or basal crown buds.

Root cuttings is a root section with one or more buds.

Softwood cutting is taken from a green, immature, actively growing stem of a woody plant during spring or early summer for the purpose of propagation.

Succulent plant means a small, actively growing plant that is developing from root buds, not having passed through a dormant period.

Virus infected (affected) means presence of a virus (es) or yellows disease agent in a plant or plant part. The word "virus" shall be used hereafter to include yellows disease.

Virus-like means a disorder of genetic or non transmissible origin, or a graft-transmissible disorder resembling a virus disease, including but not limited to diseases caused by viroids and phytoplasmas

II. Certifying agency issuance of certificate

- A. The issuance of a certified state of Arkansas plant tag or stamp under this chapter affirms solely that the tagged or stamped blackberry stock has been subjected to certification standards and procedures by the department. The Board disclaims all expressed or implied warranties, including without limitation, implied warranties of merchantability and fitness for particular purpose, regarding all plants, and plant materials under this chapter.
- B. The Board is not responsible for disease, genetic disorder, off-type, failure of performance, mislabeling, or otherwise, in connection with this chapter. No grower, nursery dealer, government official, or other person is authorized to give any expressed or implied warranty, or to accept financial responsibility on behalf of the Plant Board regarding this chapter.
- C. Participation in the blackberry planting stock certification program is voluntary.

III. Blackberry certification standards

The following specific rules constitute the requirements and standards for classes and sources of blackberry certified stock:

Nuclear stock shall be derived from plants that have been micropropagated, indexed, apparently free from other pests, and evaluated in field tests for trueness-to-variety. Nuclear stock may exist as *in-vitro* tissue culture plantlets or potted plants in a screened greenhouse. Sources of plants grown as nuclear stock must be approved by the State Plant Board.

Foundation stock is produced from Nuclear stock and grown in a greenhouse or screenhouse to exclude insects.

Registered stock is produced from Foundation stock in greenhouse, screenhouse, or field.

Certified stock is produced from Registered stock in greenhouse, screenhouse, or field.

IV. Requirements for the production of foundation, registered and certified blackberry stock

- A. **Facilities (greenhouse, screenhouse, water, equipment, etc.) for plant production must be approved by the Board before Foundation stock is procured by the producer.**
- B. Foundation stock
 1. Foundation plants may be maintained indefinitely if grown in an insect-proof facility (greenhouse), in sanitized substrate, and indexed every three years by the United States Department of Agriculture or other personnel approved by the Board.
 2. Growers may use micro-propagation techniques to multiply foundation plants prior to planting in a foundation greenhouse provided the micro-propagated plants are isolated from other non-indexed blackberry plants, and the micro-propagation facilities are approved by the Board.
 3. In greenhouse or screenhouse, Foundation plants shall be produced in separate sanitized containers with labeling of cultivar name and lot number (if applicable).
 4. Non-certified *Rubus* species must not exist within 152 meters (500 feet) of the perimeter of the greenhouse. Weeds that host disease of major concern must be controlled within 152 meters (500 feet) of the perimeter of the greenhouse. Insects that vector diseases of major concern

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should be controlled in isolation areas.

5. Non-certified *Rubus* species must not exist within the greenhouse or screenhouse.
6. Blossoms shall be removed before the blossoms open.

C. Registered stock

1. Registered plants may be maintained indefinitely if grown in an insect-proof facility (greenhouse), in sanitized substrate, and indexed every three years.
2. In greenhouse or screenhouse, Registered plants shall be produced in separate sanitized containers with labeling of cultivar name and lot number (if applicable).
3. Non-certified *Rubus* species must not exist within 152 meters (500 feet) of the perimeter of the greenhouse. Weeds that host disease of major concern must be controlled within 152 meters (500 feet) of the perimeter of the greenhouse. Insects that vector diseases of major concern should be controlled in isolation area.
4. Non-certified *Rubus* species must not exist within the greenhouse or screenhouse.
5. For field production, soil treatment is required with an approved method (ex. solid soil fumigation with methyl bromide + chloropicrin). Weeds that host diseases of major concern will be controlled. Insects that vector diseases of major concern should be controlled in isolation area.
6. Non-certified *Rubus* species must not exist within 152 meters (500 feet) of the perimeter of the field used to produce certified blackberry stock. Each lot and/or different cultivars are labeled and separated by a distance of 4.25 meters (14 feet) or a physical barrier that prevents intermingling of roots.
7. Field produced Registered stock shall not be harvested beyond one year.
8. Blossoms shall be removed before the blossoms open.

C. Certified stock

1. Certified plants may be maintained indefinitely if grown in an insect-proof facility (greenhouse), in sanitized substrate, and indexed every three years.
2. In greenhouse or screenhouse, Certified plants shall be produced in separate sanitized containers with labeling of cultivar name and lot number (if applicable).
3. Non-certified *Rubus* species must not exist within 152 meters (500 feet) of the perimeter of the greenhouse. Weeds that host disease of major concern must be controlled within 152 meters (500 feet) of the perimeter of the greenhouse. Insects that vector diseases of major concern should be controlled in isolation area.
4. Non-certified *Rubus* species must not exist within the greenhouse or screenhouse.
5. For field production, soil treatment is required with an approved method (ex. solid soil fumigation with methyl bromide + chloropicrin). Weeds that host diseases of major concern will be controlled. Insects that vector diseases of major concern should be controlled in isolation area.
6. Non-certified *Rubus* species must not exist within 152 meters (500 feet) of the perimeter of the field used to produce certified blackberry stock. Each lot and/or different cultivars are labeled and separated by a distance of 4.25 meters (14 feet) or a physical barrier that prevents intermingling of roots.
7. Field-produced Certified stock shall not be harvested beyond one year.
8. Blossoms shall be removed before blossoms open.

D. Documentation of soil treatments and use of plant protectants shall be made available to the Board.

E. A map identifying cultivars and lots must be provided to the Board.

V. Inspections

A. Greenhouse/Screenhouse

1. Grower will regularly inspect plants. All plants that are symptomatic of disease will be removed and destroyed. The grower will keep a logbook recording cultivar and number of destroyed plants and make it available to Board inspectors.
2. Grower will inspect in and around the greenhouse perimeters to ensure isolation standards are being met.
3. Board inspectors must inspect and approve any greenhouse that has not been used for successful production of indexed blackberry plants.
4. During the production of certified plants, Board inspectors will do at least one inspection during the growing period when plants are likely to express symptoms of virus infection, crown and cane gall infections and other disorders. The Board may conduct additional inspections if deemed necessary.
5. All plants that are of off-types, crown gall infected, virus infected, or exhibiting virus-like symptoms during inspections will be flagged by Board inspectors.
6. Grower will remove all flagged plants immediately after inspection by the Board inspector. Effective roguing techniques must include removing the undesirable plant and all of its roots.

B. Field

1. The grower should inspect fields regularly during the growing season and rogue all plants with symptoms of disease, etc. The Board should be informed if any problems are found.
2. The Board inspector will perform three inspections of fields for certified plant production; 1) first inspection during April, 2) second inspection during July, 3) third inspection during October. Additional inspections may be performed if deemed necessary.
3. All plants that are of off-types, crown gall infected, virus infected, or exhibiting virus-like symptoms during inspections will be flagged by Board inspectors.
4. Grower will remove all flagged plants immediately after inspection by the Board inspector. Effective roguing techniques must include removing the undesirable plant and all of its roots as well as all the plants and plant parts within ten feet of the undesirable plant.

VI. Inspection standards

A. Greenhouse, General Requirements

1. Unit of certification shall be the entire greenhouse.
2. Isolation: Non-certified *Rubus* species must not exist within the greenhouse. Non-certified *Rubus* species must not exist within 152 meters (500 feet) of the perimeter of the greenhouse. Weeds that host disease of major concern must be controlled within 152 meters (500 ft) of the perimeter of the greenhouse. Insects that vector diseases of major concern should be controlled in isolation area.

B. Field, General Requirements

1. Unit of certification shall be the field or a portion of field. Any portion of the field that does not meet inspection standards may be delimited if it will not jeopardize the remainder of the field.
2. Isolation: Non-certified *Rubus* species must not exist within 152 meters (500 feet) of the certified plants. Weeds that host diseases of major concern must be controlled within 152 meters (500 feet) of the certified plants. Insects that vector diseases of major concern should be controlled in isolation area.

C. Specific Greenhouse and Field Tolerance, maximum % of factor

Factor	Foundation Stock	Registered Stock	Certified Stock
Anthracnose	0	2.0	5.0
Crown and cane gall	0	0.1	1.0
Nematodes	0	0.05	0.1
Rust, systemic	0	0	0
Virus diseases	0	0.05	0.5
Other diseases	0	0.2	0.5
Varietal mixture	0	0	0
Root, cane or crown inhabiting insects	0	0.05	0.1

VII. General requirements for plants

- A. Growers may sell Foundation, Registered or Certified stock as certified plants.
- B. An official certificate will accompany each sale of certified Blackberry plants or stock. This certificate will list the viruses indexed and other details. Each container/plant will be labeled with variety and certification information.
- C. A complete record of the number of certified Blackberry plant/stock sales will be maintained and made available to the official certifying agency. The record will include (a) class, (b) cultivar, (c) date of shipment, (d) number of plants or stock shipped.
- D. General Inspection Standards for Plants:
 - 1. Apparently free of biotic and abiotic diseases, insects, and other pests.
 - 2. True-to-variety characteristics.
 - 3. Good leaf color and plant size.
 - 4. Satisfactory plant size to meet the expectations of the customer.
 - 5. Plants will not be shipped with non-certified plants.

VIII. Blackberry certification fees

- A. Blackberry certification application fee. Applicant will be required to obtain a valid Nurseryman's license and pay the required fees as prescribed for the Nurseryman category. The blackberry certification application and fee is in addition to the Nurseryman fee. The certification fee is assessed for the sole purpose of defraying expenses incurred in the additional inspection and certification requirements protocol. The applicant must furnish all information requested on the Application for Inspection Form and must allow the inspector to take samples of plants or plant parts from any certified planting for inspection and testing purposes. A separate application is required and a \$50.00 fee shall be paid for each cultivar/variety unit entered for certification. Each lot or field of each cultivator shall be listed separately on the application. Application for certification inspection for the following year must be filed with the Arkansas State Plant Board, Post Office Box 1069, Little Rock, Arkansas 72203 by **Oct.31**, accompanied by the appropriate fees.
- B. A grower desiring to produce certified blackberry plants as herein provided shall establish with the Board facts evidencing sufficient experience to produce healthy, high quality stock.
- C. The Board will remove any applicant failing to renew certification by the designated due date of the

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certification program. Failure to pay fees by the designated due date shall also result in removing the applicant from the certification program.

D. The Board will not accept applications from growers owing the Board for previous services.

IX. Certified planting stock pre-marketing, identification and grade

A. All blackberry planting stock meeting the requirements of this chapter can be identified by the State Plant Board tag or stamp issued under by the Board.

B. All containers must be new and marked with the name and address of the grower, class of certified stock, variety and lot number.

C. The quality and grading of the stock is the responsibility of the grower.

X. Blackberry tagging or stamping and plant inspection

A. "Certified" stock shall be identified with the state of Arkansas official certified blackberry plant tag or stamp under the supervision of the Board after plants have passed inspection.

B. Only plants meeting Arkansas standards for blackberry plants shall be tagged or stamped.

C. All containers shall be marked with the name and address of the grower, grade or class of stock, and variety.

XI. Application of regulations This certification program is strictly voluntary and these regulations shall apply in addition to and do not replace any regulations covering nursery stock now in effect as covered by Plant Board Circular 11, "Regulations on Plant Diseases and Pests", nor do they replace or supersede any requirement of the Arkansas Plant Act of 1917, A.C.A. 2-16-201 thru 214 or the Arkansas Nursery Fraud Act of 1919, A.C.A. 2-21-101 thru 113.

10. REGULATIONS FOR CERTIFICATION OF TURF GRASS

I. Eligibility of Varieties for Certification: Those varieties approved by the State Plant Board in cooperation with the University of Arkansas, College of Agriculture, will be eligible for certification.

II. Grades for Certification: Two grades shall be recognized for certification, as follows:

A. Registered Grade: This grade shall be produced by or under the direct supervision of a recognized Plant Breeder, approved by the State Plant Board, and handled so as to maintain satisfactory genetic identity and purity. This grade will be identified with an official Purple Tag.

B. Certified Blue Tag Grade: This grade shall be from sod produced from either Registered or Blue Tag Grade, that is so handled to maintain satisfactory genetic identity and purity to comply with regulations established for this grade.

III. Filing Applications: Application blanks for certification of Turf grasses will be furnished by the Plant Board. 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 grade of the planting stocks. Application should be made by March 1 of each year for current crop.

IV. Fees: Application fee is \$25.00 for each variety. The acreage inspection fee is \$3.00 per acre, for each inspection whether made on a growing crop or for a pre-planting inspection. The cost of the tags with seals will be 15¢ each.

V. Land Requirements:

- A. Field to eligible for the production of Registered planting stock must have been free of other strains of the same genus and species for two consecutive years preceding the year that it is to be planted.
- B. A field to be eligible for the production of Blue Tag Grade planting stock must have been free of other strains of the same genus and species for one year preceding the year that it is to be planted.

VI. Field Inspections: When new fields are to be planted for either Registered or Blue Tag Grade, the field must be inspected by a Plant Board representative to see that the land is cleaned and meets the requirements. Field inspections must be made each year that a Registered or Blue Tag Grade crop is to be harvested, during the growing season when there is sufficient growth to make the identification of other strains possible. Fields at time of inspection must be free of nut grass, wild onion, or wild garlic, Johnson grass and field bindweed. There must not be more that .5% of other varieties present in fields for Registered grand and 1.0% of other varieties in fields for Blue Tag Grade.

VII. Isolation: A field to be eligible for the production of Registered or Blue Tag Grade planting stock must be isolated from any other strain of the same species by at least 30 feet.

VIII. Planting Stock Standards:

- Pure living sprigs (Minimum) 90 %
- Other living plants (Maximum) 5 %
- Objectionable noxious weeds * None

*Objectionable noxious weeds shall include nut grass, wild onion or wild garlic, Johnson grass and field bindweed.

IX. Sale of Planting Stock: Registered or Blue Tag Grade planting stock cannot be sold as such until it has been packed in new containers, which are tagged and sealed with official tags and seals of the State Plant Board.

11. RULES AND REGULATIONS FOR THE NORTHEAST DELTA ZONE OF ARKANSAS FOR BOLL WEEVIL ERADICATION IN 2005

Section I Purpose. Pursuant to Ark. Code Ann. §§ 2-16-601, et seq. and Ark. Code Ann. §§ 2-16-605, et. seq., the purpose of these rules is to develop and establish procedures for the eradication of Boll Weevil within Eastern Craighead County and Mississippi County, to establish assessments to offset program costs, to provide procedures for the collection of such assessments, and to provide penalties for violations of these rules.

Section II Declaration of Boll Weevil as a Plant Pest. Pursuant to Ark. Code Ann. § 2-16-602(a), the Boll Weevil (*Anthonomus grandis* Boheman) is declared to be a plant pest and a nuisance, as is any plant or other regulated article infested therewith or that has been exposed to infestation and is likely to lead to additional

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infestation. The Arkansas State Plant Board, pursuant to Ark. Code Ann. § 2-16-207, declares the Boll Weevil (*Anthonomus grandis* Boheman) to be a public nuisance.

Section III Definitions. For the purpose of these rules, the following definitions shall apply:

1. "APHIS" means United States Department of Agriculture, Animal and Plant Health Inspection Service.
2. "Arkansas Cotton Grower's Organization, Incorporated, d/b/a Arkansas Boll Weevil Eradication Foundation" means the nonprofit organization comprised of Arkansas Cotton Growers to provide guidance and assist in policy decisions during the eradication program, and certified by the Plant Board pursuant to Ark. Code Ann. § 2-16-612.
3. "Assessment" means the amount charged to each Cotton Grower or landowner to finance, in whole or part, a program to eradicate the Boll Weevil in the regulated area.
4. "Boll Weevil" means *Anthonomus grandis* Boheman in any stage of development.
5. "Boll Weevil Eradication Program" means the program initiated under Ark. Code Ann. § 2-16-601 et seq.
6. "Grower's Compliance Certificate" means a document issued or authorized by the Plant Board indicating that a Cotton Grower has complied with the requirements of these rules and the Cotton Grower's cotton may be ginned in Arkansas.
7. "Compliance Agreement" means a written agreement required between the Plant Board and any person engaged in growing cotton, dealing in, or moving regulated articles wherein the latter agrees to comply with specified provisions to prevent dissemination of the Boll Weevil.
8. "Cotton" means any cotton plant or cotton plant product upon which the Boll Weevil is dependent for completion of any portion of its life cycle.
9. "Cotton Grower" means any person, who is engaged in and has an economic risk in the business of producing, or causing to be produced, for market, cotton.
10. "Eradication Zone" means a geographical area designated by the Plant Board in which the Boll Weevil Eradication Programs will be undertaken and managed pursuant to Ark. Code Ann. § 2-16-610.
11. "Exposed" means any area or location subjected to Boll Weevil infestation.
12. "Gin Trash" means all waste material produced during the cleaning and ginning of seed cotton. It does not include the lint, cottonseed, or gin waste.
13. "Gin Waste" means all forms of unmanufactured cotton fiber (including gin motes) produced at cotton gins, other than baled cotton lint.
14. "Infested" means actually infested with a Boll Weevil or so exposed to infestation that it would be reasonable to believe that an infestation exists.

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15. "Inspector" means any employee of the Plant Board or any other person authorized by the Plant Board to enforce the provision of these rules.
16. "Non-Commercial Cotton" means cotton intended for any purposes other than sale or scientific purposes under Section XII of these rules.
17. "Permit" means a document issued or authorized by the Plant Board to provide for the movement of regulated articles to restricted designation for limited handling, utilization, or processing.
18. "Person" means any individual, partnership, corporation, company, society, or association, or other business entity.
19. "Plant Board" means the Arkansas State Plant Board, which is the agricultural plant regulatory agency of the State of Arkansas.
20. "Quarantine Area" means any portion of the State of Arkansas designated as such pursuant to Ark. Code Ann. § 2-16-609.
21. "Regulated Area" means any portion of an eradication zone designated for any purpose necessary to the execution of the Boll Weevil Eradication Program.
22. "Regulated Article" means any article of any character carrying or capable of carrying the Boll Weevil, including, but not limited to, cotton plants, seed cotton, cottonseed, other hosts, gin trash, gin equipment, mechanical cotton pickers, and other equipment associated with cotton production, harvesting, or processing.
23. "Seed Cotton" means cotton as it comes from the field prior to ginning.
24. "Shipment or Shipments" means the items to be transferred or moved, or the act or process of transferring or moving items from one point to another.
25. "USDA" means the United States Department of Agriculture.
26. "Used Cotton Equipment" means any equipment used previously to harvest, strip, transport or process cotton.
27. "Waiver" means a written authorization which exempts a Person or any organization from compliance with one or more requirements of these rules.

Section IV Eradication Zones. The eradication zone for these regulations are defined as follows:

All of Mississippi County and all of Craighead County east of the St. Francis River.

Section V Submission of Reporting Forms, Assessments, Penalties for Late Payment, Cotton Destruction, and Exemptions.

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1. All Cotton Growers in the eradication zone shall be required to participate in an eradication program as set forth herein.
2. Cotton Acreage Reporting. Each Cotton Grower shall submit annual cotton acreage reporting forms listing the acreage and location of all cotton being grown by the Cotton Grower in the eradication zone.
3. Certified Acreage. Cotton Growers shall report their actual cotton acreage to the Plant Board, or its designated agent, no later than July 15, or such date as dictated by FSA as the date for filing Certified Acreage Reports, of each year in which field operations are in effect in the eradication zone ("Certified Acreage"). Any Cotton Grower who fails to file the certified cotton acreage in the manner prescribed by the Plant Board report by July 15, or such date as dictated by FSA as the date for filing Certified Acreage Reports, shall be subject to a penalty of up to Three Dollars (\$3.00) for each planted acre of cotton as of July 15, or such date as dictated by FSA as the date for filing Certified Acreage Reports.
4. Assessments for the 2005 crop year shall be Fourteen Dollars (\$14.00) per acre based on the cotton grower's certified acreage. Assessments shall be paid according to the crop share percentages as recorded at the FSA office.

Exception: Cash rent Cotton Growers shall pay the entire assessment. Subsequent assessments shall be determined year by year based on projected costs and available outside funds.

5. Collection of Assessments. Assessments shall be payable as provided below:
 - a) For the crop year of 2005, the annual assessment shall be paid within 30 days of receipt of the assessment invoice.
 - b) In the event a Cotton Grower fails to pay Assessments and/or penalties as required under these rules, pursuant to Ark. Code Ann. § 2-16-617(c) and (d)(2), the Plant Board may file a lien with the appropriate county office and the Arkansas Secretary of State on the cotton subject to such assessments and on the Cotton Grower's subsequent cotton crops until all such amounts (including fees associated with the lien filing) are paid in full. Any grower who fails to pay assessments and penalties will be placed on a delinquent growers list and no future Growers Compliance Certificates will be issued to this grower until all charges from past assessments have been paid.
6. Grower's Compliance Certificate. Pursuant to Ark. Code Ann. § 2-16-617(d), no gins in the State of Arkansas shall gin any cotton grown in an eradication zone in which field operations of the Boll Weevil Eradication Program are in effect, or from any other state, unless and until that Cotton Grower files with the gin a Grower's Compliance Certificate issued by the Plant Board certifying that said Cotton Grower has paid all fees, Assessments, penalties, and costs imposed and required pursuant to § 2-16-601 et seq., as amended, or proof of exemption there from as provided in paragraph 9 below. It is the responsibility of each Cotton Grower to procure a Grower's Compliance Certificate for the crop year for each FSA farm number on which cotton is planted, or proof that an exemption for compliance has been granted from the Plant Board. The Cotton Grower must file the Grower's Compliance Certificate with their gin each crop year.

7. Ginner's Penalty. Any gin that gins cotton for any Cotton Grower who has not filed a current, valid Grower's Compliance Certificate or proof of exemption issued by the Plant Board shall be subject to a penalty in the amount of \$50.00 per bale for each bale ginned for such noncomplying Cotton Grower. This provision does not prohibit the movement of seed cotton within the State of Arkansas for protection from loss or efficient storage prior to ginning.
8. Penalties. The Plant Board shall assess Cotton Growers penalties for failure to comply with the reporting and/or payment requirements of these Regulations. Penalties are payable in full to the Arkansas State Plant Board within thirty (30) days of the date of the penalty assessment. Any such penalties assessed must be paid before the Plant Board may issue a Grower's Compliance Certificate under Section V, Paragraph 6 of these Regulations.
9. Appeal of Penalties. Unless specifically provided for elsewhere in these rules, any person (Cotton Grower, gin or otherwise) assessed a penalty under these rules may appeal the penalty assessment to the Plant Board within thirty (30) days of the date of the penalty assessment. Such appeal must include all information upon which the appealing party bases its appeal.
10. Limit on Penalties. Section V provides for various penalties in connection with reporting acreage and paying assessments, each of which is a separate violation and cause for penalty. Notwithstanding the type of penalties imposed under Section V, the total amount of penalties assessed against a particular Cotton Grower shall not exceed \$10.00 per acre of cotton for the crop year and acreage in issue.

Section VI Cotton Stalk Destruction Incentive. If during the Boll Weevil Eradication Program, seasonal growing conditions promote early maturation and harvesting of cotton in Arkansas, the Plant Board may, upon recommendation from the Arkansas Cotton Grower's Organization, Inc., establish a per acre incentive credit for early stalk destruction provided such destruction precludes any regrowth which would require eradication treatments. Such incentive credit shall be applied to the Cotton Grower's Assessment for the following year. In the event a Cotton Grower's Certified Acreage in the following year is not sufficient to fully consume the incentive credit in such following year, the Cotton Grower may apply to the Plant Board for a refund of the unused incentive credit, using forms prescribed by the Plant Board. The rate per acre of any such incentive credit, whether uniform for the entire State, or variable, shall be established and made available to all participating Cotton Growers no later than September 1 of the current growing year. No incentive credit established under this paragraph shall be credited or paid to the Cotton Grower by the Plant Board until the date of the Cotton Grower's stalk destruction has been confirmed to the Plant Board by eradication program personnel.

Section VII Planting Cotton in the Eradication Zone.

1. Prohibited Planting. Pursuant to Ark. Code Ann. § 2-16-610(b)(1), the Plant Board may prohibit the planting of cotton in designated areas where Boll Weevil eradication treatments cannot be effectively or legally applied due to factors concerning the public welfare if determined by the Plant Board that planting cotton jeopardizes the success of the program ("Prohibited Planting Area"). The Plant Board shall identify all Prohibited Planting Areas no later than March 1 of each year. Notice of the Prohibited Planting Area shall be published in a local newspaper of general circulation covering the Prohibited Planting Area at least once a week for four (4) consecutive weeks in the month of March. In the event a

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Prohibited Planting Area is not designated by March 1 of the year in issue, the Plant Board's purchase or destruction of cotton shall be in accordance with Section IX below.

2. Notice of Destruction. Pursuant to Ark. Code Ann. § 2-16-611(b), the Plant Board may by written order require the destruction of cotton planted in a Prohibited Planting Area after publication of the first notice required in paragraph 1 above. Said order shall be delivered to the Cotton Grower via certified United States mail. The order shall identify the cotton to be destroyed by Township, Range, and Section, or portion thereof. The order shall specify the date by which the Cotton Grower must destroy the crop at the Cotton Grower's expense, which date shall be at least ten (10) calendar days after the date of the order. The order shall further state that in the event the Cotton Grower does not destroy the cotton by the specified date, the Plant Board will destroy the cotton and assess the cost of destruction against the Cotton Grower. The Assessment under this section shall be payable within thirty (30) calendar days after destruction and shall be treated as any Assessment for purpose of enforcing these rules. Provided, however, the Cotton Grower may appeal an order under this paragraph to the Director of the Plant Board. The appeal must be received by the Plant Board within ten (10) calendar days of the date of the order. The Director of the Plant Board shall issue an order on the appeal within ten (10) calendar days of the Plant Board's receipt of the appeal.

3. Non-Commercial Cotton. Non-commercial cotton shall not be planted in an eradication zone in which field operations of the Boll Weevil Eradication Program are in effect, without a waiver issued in writing by the Plant Board. Application for a waiver shall be submitted in writing and the Plant Board's decision to grant or deny the waiver may be based on the following:
 - (a) Location of growing area;
 - (b) Pest conditions in the growing area;
 - (c) Size of the growing area;
 - (d) Accessibility of the growing area; and
 - (e) Any stipulations set forth in a compliance agreement between the applicant and the Plant Board that are necessary to the Boll Weevil Eradication Program.

Section VIII Treatment of Boll Weevil in the Eradication Zones. The eradication of the Boll Weevil in an eradication zone shall be executed by the Plant Board according to established Boll Weevil Eradication protocols. The Plant Board may enter into Cooperative Agreements in order to carry out the Eradication Program.

Section IX Quarantine. Establishing Quarantine. In carrying out the purpose of these rules, the Plant Board may designate a quarantine area in accordance with Ark. Code Ann. § 2-16-609.

Section X Issuance of Certificates and Compliance Agreements, Cancellations, Attachments and Cotton Gin Certificates. Certificates may be issued for the movement of regulated articles from, into or through a regulated area, as determined to be necessary by the Plant Board.

Section XI Scientific Purposes. All cotton planted within the state of Arkansas, notwithstanding the size of the acreage or plant, is subject to the coverage of these rules, provided, however, the Plant Board may designate experimental areas for experiments designed to contribute to the development of scientific knowledge deemed of importance to the production of cotton. Cotton Growers in designated experimental areas and affected thereby, may be exempted from specified requirements of these rules, provided, however, that such Cotton Growers abide by a Compliance Agreement applicable to the experimental areas.

Section XII Entry of Authorized Personnel Upon Properties. Pursuant to Ark. Code Ann. § 2-16-607(b), Plant Board or authorized personnel are authorized to inspect any fields or premises and any property located therein or thereon for the purpose of determining whether such property is infested with the Boll Weevil. Such inspections must be conducted between sunrise and sunset. Such inspections include, but are not limited to, taking of specimens, examining and obtaining records, and applying or supervising treatments to the soil, plants or any regulated articles. This may include removal and destruction of plants, plant parts, or other regulated articles.

Section XIII Restricting Access to Eradication Zone and Regulated Area. Pursuant to Ark. Code Ann. § 2-16-605, the Plant Board may issue rules that restrict entry by unauthorized persons or any other activities affecting, or affected by, the Boll Weevil Eradication Program on any premises in an eradication zone or in any regulated area.

Section XIV If any other regulations of the ASPB conflict with these regulations; these regulations will control.

12. RULES AND REGULATIONS FOR THE ARKANSAS BOLL WEEVIL ERADICATION PROGRAM

Section I Purpose. Pursuant to Ark. Code Ann. § 2-16-605, the purpose of these rules is to develop and establish procedures for the eradication of Boll Weevil within the State of Arkansas, to establish per acre annual Assessments to offset program costs and to provide procedures for the collection of such Assessments, to specify conditions for the movement of regulated articles, and to provide penalties for violations of these rules.

Section II Declaration of Boll Weevil as a Plant Pest. Pursuant to Ark. Code Ann. § 2-16-602(a), the Boll Weevil (Anthonomus grandis Boheman) is declared to be a plant pest and a nuisance, as is any plant or other regulated article infested therewith or that has been exposed to infestation and is likely to lead to additional infestation.

Section III Definitions. For the purpose of these rules, the following definitions shall apply:

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1. “APHIS” means United States Department of Agriculture, Animal and Plant Health Inspection Service.
2. “Arkansas Cotton Grower’s Organization, Incorporated, d/b/a Arkansas Boll Weevil Eradication Foundation” means the nonprofit organization comprised of Arkansas Cotton Growers to provide guidance and assist in policy decisions during the eradication program, and certified by the Plant Board pursuant to Ark. Code Ann. § 2-16-612.
3. “Assessment” means the amount charged to each Cotton Grower to finance, in whole or part, a program to suppress or eradicate the Boll Weevil in this state and calculated on a per-acre basis pursuant to Ark. Code Ann. § 2-16-614(b).
4. “Boll Weevil” means Anthonomus grandis Boheman in any stage of development.
5. “Boll Weevil Eradication Program” means the program initiated under Ark. Code Ann. § 2-16-601 et seq.
6. “Certificate” means a document issued or authorized by the Plant Board indicating that a regulated article is not contaminated with Boll Weevils.
7. “Grower’s Compliance Certificate” means a document issued or authorized by the Plant Board indicating that a Cotton Grower has complied with the requirements of these rules and the Cotton Grower’s cotton may be ginned in Arkansas.
8. “Compliance Agreement” means a written agreement required between the Plant Board and any person engaged in growing cotton, dealing in, or moving regulated articles wherein the latter agrees to comply with specified provisions to prevent dissemination of the Boll Weevil.
9. “Cotton” means any cotton plant or cotton plant product upon which the Boll Weevil is dependent for completion of any portion of its life cycle.
10. “Cotton Grower” means any person, other than a cash rent landlord, who is engaged in or has as economic risk in the business of producing, or causing cotton to be produced, for market.
11. “Eradication Zone” means a geographical area designated by the Plant Board in which the Boll Weevil Eradication Programs will be undertaken and managed pursuant to Ark. Code Ann. § 2-16-610.
12. “Exposed” means any area or location subjected to Boll Weevil infestation.
13. “Gin Trash” means all waste material produced during the cleaning and ginning of seed cotton. It does not include the lint, cottonseed, or gin waste.

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14. “Gin Waste” means all forms of unmanufactured cotton fiber (including gin motes) produced at cotton gins, other than baled cotton lint.
15. “Infested” means actually infested with a Boll Weevil or so exposed to infestation that it would be reasonable to believe that an infestation exists.
16. “Inspector” means any employee of the Plant Board or any other person authorized by the Plant Board to enforce the provision of these rules.
17. “Non-Commercial Cotton” means cotton intended for any purposes other than sale or scientific purposes under Section XII of these rules.
18. “Permit” means a document issued or authorized by the Plant Board to provide for the movement of regulated articles to restricted designation for limited handling, utilization, or processing.
19. “Person” means any individual, partnership, corporation, company, society, or association, or other business entity.
20. “Plant Board” means the Arkansas State Plant Board, which is the agricultural plant regulatory agency of the State of Arkansas.
21. “Quarantine Area” means any portion of the State of Arkansas designated as such pursuant to Ark. Code Ann. § 2-16-609.
22. “Regulated Area” means any portion of an eradication zone designated for any purpose necessary to the execution of the Boll Weevil Eradication Program.
23. “Regulated Article” means any article of any character carrying or capable of carrying the Boll Weevil, including, but not limited to, cotton plants, seed cotton, cottonseed, other hosts, gin trash, gin equipment, mechanical cotton pickers, and other equipment associated with cotton production, harvesting, or processing.
24. “Seed Cotton” means cotton as it comes from the field prior to ginning.
25. “Shipment or Shipments” means the items to be transferred or moved, or the act or process of transferring or moving items from one point to another.
26. “USDA” means the United States Department of Agriculture.
27. “Used Cotton Equipment” means any equipment used previously to harvest, strip, transport or process cotton.
28. “Waiver” means a written authorization which exempts a Person or any organization from compliance with one or more requirements of these rules.

Section IV Eradication Zones. The eradication zones for the State of Arkansas are defined as follows:

Zone 1 shall consist of the following counties: Bradley, Calhoun, Clark, Cleveland, Columbia, Dallas, Garland, Grant, Hempstead, Hot Springs, Howard, Lafayette, Little River, Miller, Montgomery, Nevada, Ouachita, Pike, Polk, Saline, Scott, Sevier, and Union.

Zone 2 shall consist of the following counties: Arkansas, Ashley, Chicot, Conway, Crawford, Desha, Drew, Faulkner, Franklin, Jackson, Jefferson, Johnson, Lee, Lincoln, Logan, Lonoke, Monroe, Perry, Phillips, Pope, Prairie, Pulaski, Sebastian, St. Francis, Woodruff, and Yell.

Zone 3 shall consist of the following counties: Baxter, Benton, Boone, Carroll, Cleburne, Crittenden, Cross, Fulton, Independence, IZard, Lawrence, Madison, Marion, Newton, Poinsett, Randolph, Searcy, Sharp, Stone, Van Buren, Washington and White.

Additional zones may be designated in accordance with the Boll Weevil Eradication and Suppression Act (Ark. Code Ann. §§ 2-16-601 *et seq.*)

Section V Submission of Reporting Forms, Assessments, Penalties for Late Payment, Cotton Destruction, and Exemptions.

1. Pursuant to Ark. Code Ann. § 2-16-608, upon passage of the grower referendum, all Cotton Growers in the eradication zones shall be required to participate in the eradication program as set forth herein.
2. Cotton Acreage Reporting. Each Cotton Grower shall submit annual cotton acreage reporting forms, which shall be supplied by the Plant Board, listing the acreage and location of all cotton being grown by the Cotton Grower in this state.
3. Intended Planting. Cotton Growers shall report their intended cotton acreage to the Plant Board, or its designated agent, no later than May 31 of each year in which field operations of the Boll Weevil Eradication Program are in effect in their eradication zone (“Intended Planting Acreage”). In such instances where FSA offices may not be able to assist in completing the ‘intended planting’ report forms and fee collection, the Plant Board may formulate and institute an alternative method of assessing and collecting the fees associated with the “intended planting report process”. Any Cotton Grower who fails to file the Intended Planting Acreage report in the manner prescribed by the Plant Board by May 31 shall be subject to a penalty of up to Three Dollars (\$3.00) for the intended acreage reported prior to certification, otherwise for each planted acre of cotton as of certification of cotton acreage described in paragraph 4 of this Section V. If alternative methods of invoicing for the intended planting acreage are instituted, this penalty will not be enforced. However, failure to pay the intended

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acreage fee could result in late payment fees of Three Dollars (\$3.00) per acre if payment is not received by the deadline set by the invoice.

4. Certified Acreage. Cotton Growers shall report their actual cotton acreage to the Plant Board, or its designated agent, no later than July 15 of each year in which field operations of the Boll Weevil Eradication Program are in effect in their eradication zone (“Certified Acreage”). Any Cotton Grower who fails to file the certified cotton acreage in the manner prescribed by the Plant Board report by July 15 shall be subject to a penalty of up to Three Dollars (\$3.00) for each planted acre of cotton as of July 15.
5. Reporting Penalty. Any Cotton Grower whose Certified Acreage exceeds his Intended Planting Acreage by fifty percent (50%) or fifty (50) acres, whichever is greater, shall, for each certified acre in excess of the grower’s Intended Planting Acreage, shall be subject to a penalty of up to Three Dollars (\$3.00) per acre, in addition to the appropriate annual Assessment and any other penalties due. If an alternate system of assessing the “intended planting acreage” fee is utilized, no reporting penalty will be applied.
6. Reporting Credit. In the event a Cotton Grower’s Intended Planting Acreage exceeds the Certified Acreage, the Cotton Grower’s final Assessment payment for the year will be reduced to the extent necessary to cause the Cotton Grower to be assessed in such year only for Certified Acreage. Any refunds due to the Cotton Grower as a result of this paragraph 6 must be requested by the Cotton Grower in writing on the form prescribed by the Plant Board. Such request must be addressed to the Plant Board and received by the Plant Board no later than July 31 of the year in which the refund is payable. Otherwise, the refund will be reflected as a credit on the Cotton Grower’s Assessment for the following year.
7. Assessments. The per acre Assessment shall be as determined by the applicable referendum. The per acre Assessment payable by the Cotton Grower shall be based on the Cotton Grower’s Certified Acreage. As of the date of these rules, the Assessment for each eradication zone may be up to the amounts shown below.

	Zone 1	Zone 2	Zone 3
Year 1	\$15.00	\$15.00	\$15.00
Year 2	\$35.00	\$35.00	\$30.00
Year 3	\$35.00	\$35.00	\$30.00
Year 4	\$35.00	\$35.00	\$30.00
Year 5	\$35.00	\$35.00	\$30.00

During the years following the years specified above (the “maintenance period”), the per acre annual Assessment in Zone 1 shall not exceed \$10 per acre, and the per acre annual assessment in Zones 2 and 3 shall not exceed \$12 per acre. Maintenance periods may be provided for in any additional zones established under the Arkansas Boll Weevil Eradication and Suppression Act.

Upon recommendation of the Arkansas Cotton Grower's Organization, Inc., the Plant Board may adjust the annual Assessments within the limits allowed by the referendum then in effect. Such adjustments may be made at the time and in the manner determined by the Plant Board to be in the best interest of the Boll Weevil Eradication Program. In making such adjustments, the Plant Board may consider facts and information it determines to be relevant, including, but not limited to, climate and environmental conditions, finances and the overall state of the cotton industry.

8. Collection of Assessments. Assessments shall be payable by the Cotton Grower in two (2) installments, as provided below:

(a) The initial payment shall be paid at the time the Cotton Grower reports the Intended Planting Acreage or by the payment date established by the appropriate invoice. The initial payment shall be an amount equal to the Cotton Grower's Intended Planted Acreage multiplied by fifty percent (50%) of the applicable Assessment or such amount as is established by the appropriate invoice. Cotton Growers shall make such payments payable to the "Arkansas Boll Weevil Eradication Foundation" and deliver the payment to the Plant Board, or its designated agent, upon reporting their Intended Planting Acreage, but no later than May 31, or the payment date established by the invoice, of each year in which such Assessments are payable. Cotton Growers who fail to pay the initial payment by May 31, or the payment date established by the invoice, shall be subject to a penalty of up to Three Dollars (\$3.00) per acre for unpaid acreage, based on planted cotton acreage.

(b) The balance of the annual Assessment shall be paid at the time the Cotton Grower certifies the cotton acreage. Cotton Growers shall make such payments payable to the "Arkansas Boll Weevil Eradication Foundation" and deliver the payment to the Plant Board, or its designated agent, upon certifying their actual planted cotton acreage, but no later than the due date as established by the current year invoice. Cotton Growers who fail to pay the final payment by the due date shall be subject to a penalty of up to Three Dollars (\$3.00) per acre for unpaid acreage, based on their planted cotton acreage.

(c) In the event an Assessment will be paid by more than one person, e.g. land owner and tenant, all said Cotton Growers, or their respective attorneys-in-fact, shall execute the applicable reports prescribed by these rules. Notwithstanding the number of Cotton Growers sharing in any Assessment, the Grower's Compliance Certificate described below shall not be issued until the entire Assessment, and any applicable penalties, are paid as required.

(d) In the event a Cotton Grower fails to pay Assessments and/or penalties as required under these rules, pursuant to Ark. Code Ann. § 2-16-617(c) and (d)(2), the Plant Board may file a lien with the appropriate county office and the Arkansas Secretary of State on the cotton subject to such assessments and on the Cotton Grower's subsequent cotton crops until all such amounts are paid in full.

9. Cotton Destruction. Pursuant to Ark. Code Ann. §§ 2-16-610(e) and 2-16-617(a), any Cotton Grower who fails to pay all Assessments and/or penalties within thirty (30)

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days after notice from the Plant Board shall, upon direction of the Plant Board, destroy all cotton plants in which the Cotton Grower has an interest and which are subject to Assessment. Any such cotton plant not destroyed shall be deemed a public nuisance. The Plant Board may apply to any court of competent jurisdiction for the issuance of a judgment and order for condemnation and destruction of the nuisance. The Cotton Grower shall be liable for all court costs, fees, and other expenses incurred in any action taken under this paragraph 9.

10. Grower's Compliance Certificate. Pursuant to Ark. Code Ann. § 2-16-617(d), no gins in the State of Arkansas shall gin any cotton grown in an eradication zone in which field operations of the Boll Weevil Eradication Program are in effect, or from any other state, unless and until that Cotton Grower files with the gin a Grower's Compliance Certificate issued by the Plant Board certifying that said Cotton Grower has paid all fees, Assessments, penalties, and costs imposed and required pursuant to § 2-16-601 et seq., as amended, or proof of exemption there from as provided in paragraph 12 below. It is the responsibility of each Cotton Grower to procure a Grower's Compliance Certificate for the crop year for each FSA farm number on which cotton is planted, or proof that an exemption for compliance has been granted from the Plant Board. The Cotton Grower must file the Grower's Compliance Certificate with their gin each crop year.
11. Ginner's Penalty. Any gin that gins cotton for any Cotton Grower who has not filed a current valid Grower's Compliance Certificate or proof of exemption issued by the Plant Board shall be subject to a penalty in the amount of \$50.00 per bale for each bale ginned for such non-complying Cotton Grower. This provision does not prohibit the movement of seed cotton within the State of Arkansas for protection from loss or efficient storage prior to ginning.
12. Exemption Due to Hardship. Pursuant to Ark. Code Ann. § 2-16-217(e), Cotton Growers may apply for exemption from payment of any Assessment or penalty imposed by these rules, on the basis that such payment will impose undue financial hardship on the Cotton Grower. Criteria for hardship may include, but are not limited to, (a) late or unavailable financing through no fault of the Cotton Grower, (b) regional economic conditions, and (c) regional climate/environmental conditions.

Any Cotton Grower who wishes to request an exemption from payment of the Assessment or the penalty or both shall apply for the exemption on forms prescribed by the Plant Board. Except for instances beyond the control of the Cotton Grower, the application for this exemption must be received by the Plant Board at least thirty (30) days before the due date of the Assessment for which exemption is requested. A separate application must be filed for each calendar year for which the Cotton Grower seeks an exemption. Each such application shall contain information on which the Cotton Grower relies to justify an exemption on the basis of undue financial hardship. In the event the application for exemption is not filed within the time prescribed herein, the application shall include information that describes the circumstances that prevented a timely filing. The application form shall include an oath or affirmation of the

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applicant as to the truth of all information contained in or accompanying the application.

The Plant Board shall forward each completed exemption application form and any information accompanying the form to the Arkansas Cotton Grower's Organization, Inc. The Arkansas Cotton Grower's Organization, Inc. shall determine whether each applicant qualifies for a hardship exemption based on the information contained in or accompanying the application form. If the Arkansas Cotton Grower's Organization, Inc. determines that the payment of the Assessment or the penalty or both would impose undue financial hardship on a Cotton Grower who has applied for an exemption, the Arkansas Cotton Grower's Organization, Inc. may (1) exempt the Cotton Grower from payment of the Assessment or the penalty or both, or (2) permit the Cotton Grower to pay the Assessment or penalty or both on an installment payment plan and prescribe the payment schedule.

Upon making a determination on any application for exemption, the Arkansas Cotton Grower's Organization, Inc. shall notify the Plant Board of its determination, which shall be binding on the applicant. The Plant Board shall then promptly notify the affected Cotton Grower in writing of the determination. If an exemption is denied, the Assessment and penalties for the year in which the application is made will be due at the time they would otherwise have been due if the application had not been filed, or within thirty (30) days after the date of the notice of the determination, whichever is later.

13. Penalties. The Plant Board shall assess Cotton Growers penalties for failure to comply with the reporting and/or payment requirements of these Regulations. Penalties are payable in full to the Arkansas Boll Weevil Eradication Foundation within thirty (30) days of the date of the penalty assessment. Any such penalties assessed must be paid before the Plant Board may issue a Grower's Compliance Certificate under Section V, Paragraph 10 of these Regulations. Penalties must be paid as provided herein even if the Cotton Grower appeals the penalty under subparagraph 14 below.
14. Appeal of Penalties. Unless specifically provided for elsewhere in these rules, any person (Cotton Grower, gin or otherwise) assessed a penalty under these rules may appeal the penalty assessment to the Plant Board within thirty (30) days of the date of the penalty assessment. Such appeal must include all information upon which the appealing party bases its appeal. The Plant Board Director may revoke, modify, or affirm the penalty and shall rule on the appeal within forty-five (45) days of the Plant Board's receipt of the appeal. The Director's ruling shall be in writing and mailed to the appealing party via first class United States mail. Any refunds due on the penalty assessment shall be paid promptly in compliance with the applicable fiscal rules and regulations. The Director may seek the recommendation of the Arkansas Cotton Grower's Organization on any appeals under this Paragraph 14. Provided, however, any such recommendation from the Arkansas Cotton Grower's Organization shall not be binding on the Plant Board Director.
15. Limit on Penalties. Section V provides for various penalties in connection with reporting acreage and paying assessments, each of which is a separate violation and

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cause for penalty. Notwithstanding the type of penalties imposed under Section V, the total amount of penalties assessed against a particular Cotton Grower shall not exceed \$15.00 per acre of cotton for the crop year and acreage in issue.

SECTION VIII. QUARANTINES

1. GYPSY MOTH QUARANTINE

Revoked December 9, 1983 after two (2) successive years of negative annual surveys.

2. IMPORTED FIRE ANT QUARANTINE

Whereas, it has been determined, and so declared, that a serious insect pest, the imported fire ant, (*Solenopsis saevissima richteri* Forel), is known to exist in Arkansas, and is known to be a serious pest of humans, crops, livestock, and wildlife.

Whereas, the fire ant may be disseminated by the transportation or movement of the following products or substances: (a) soil and unprocessed sand or gravel, separately or with other things, (b) forest, field, or nursery-grown woody or herbaceous plants with soil attached, (c) plants in pots or containers, (d) grass sod, (e) unmanufactured forest products such as stump wood or timbers if soil is attached, (f) any product or substance which may hereafter be found capable of spreading the imported fire ant.

- a. Movement of said products or substances from areas which are now or may hereafter be designated by the U.S. Department of Agriculture as imported fire ant regulated areas is prohibited except under regulations which have been or may hereafter be made by the U.S. Department of Agriculture.
- b. Areas which are found infested or which are so situated as to be subject to infestation with the imported fire ant must be treated to eradicate it. In lieu of requiring the property to be treated by the owner, or at the owner's expense, the Board may elect to apply the treatment, in cooperation with USDA at no cost to the owners. Property owners will be notified when treatment is to begin through newspapers, radio, television, and by personal contact where feasible.

3. PEACH MOSAIC QUARANTINE

Revoked November 10, 1972, after eight (8) successive years of negative annual surveys.

4. PHONY PEACH DISEASE QUARANTINE

**Standard State Quarantine Order No. 2, as
Revised June 13, 1951**

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Effective on and after July 2, 1951

DISEASE: Phony Peach, a virus disease of peach and certain other stone fruits.

State and Counties Currently Affected by Phony Peach Disease

Alabama:	Entire State
Florida:	Entire State
Georgia:	Entire State
Louisiana:	Entire State
Mississippi:	Entire State
Arkansas:	Counties of Arkansas, Ashley, Bradley, Chicot, Columbia, Crittenden, Cross, Desha, Drew, Hempstead, Howard, Jefferson, Lafayette, Lee, Lincoln, Little River, Miller, Monroe, Nevada, Phillips, Pike, Poinsett, St. Francis, Sevier, Union and Woodruff.
Missouri:	County of Dunklin
North Carolina:	Counties of Anson, Cumberland, Gaston, Hoke, Polk, and Rutherford
South Carolina:	Counties of Aiken, Allendale, Bamberg, Barnwell, Cherokee, Chesterfield, Edgefield, Greenville, Lancaster, Laurens, Lexington, Marlboro, Orangeburg, Richland, Saluda, Spartanburg, Sumter and York
Tennessee:	Counties of Chester, Crockett, Dyer, Fayette, Hardeman, Hardin, Lake, Lauderdale, McNairy, Madison and Weakley
Texas:	Counties of Anderson, Bexar, Brazos, Camp, Cherokee, Freestone, Limestone, McLennan, Milam, Rusk,

REGULATED PRODUCTS:

All peach, plum, apricot, nectarine and almond nursery stock.

CONDITIONS GOVERNING SHIPMENT:

Transportation by any means whatsoever of the regulated products from any regulated area either into, or within, or from the State of Arkansas, is permitted only when there is securely attached to the outside of each shipment a valid nursery inspection certificate issued by an authorized official of the state of origin and bearing the name and address of the consignor of the regulated articles contained therein.

REQUIREMENTS FOR CERTIFICATION:

Certificates or permits shall be issued only on the following conditions:

1. That each nursery in the phony peach infested areas producing the regulated products shall apply to the State quarantine official for approval of the proposed nursery-growing site on or before August 15 of each year;
2. Selected nursery sites shall be at least 300 yards from wild or domesticated plum, 1/2 mile from phony-infested commercial orchards, and 1/2 mile from urban area;
3. The one-half environs of the nursery site shall be inspected prior to October 1, and all phony trees found within such environs removed prior to November 1;
4. All budding shall be restricted to the slip-bud method.

REMOVAL OF AREAS FROM REGULATIONS:

When satisfactory evidence has been presented that no phony peach disease has been found for a period of three years in any county or state affected by this quarantine, said county or state shall be removed from these regulations.

SHIPMENT OF REGULATED PRODUCTS FOR SCIENTIFIC PURPOSES:

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Regulations of this quarantine do not apply to shipments of regulated products to the United States Department of Agriculture or to other recognized institutions for scientific purposes except that a special permit must be secured for the entry into or movement within the State of Arkansas of such products.

5. PINK BOLLWORM QUARANTINE

For information concerning Pink Bollworm quarantine, request Circular 16.

6. SOUTHERN PINE BEETLE QUARANTINE

Revoked December 2, 1982.

7. SOYBEAN CYST NEMATODE QUARANTINE

Revoked December 4, 1981.

8. SWEET POTATO WEEVIL QUARANTINE

Adopted March 11, 1983 after proclamation of a State Emergency by Governor Bill Clinton. For information request a copy of the quarantine.

9. WHITE-FRINGED BEETLE QUARANTINE

Revoked June 30, 1975 at the same time the Federal quarantine was revoked.

10. *GIBBERELLA FUJIKUROI* (BAKANAE STRAINS) QUARANTINE

The Arkansas State Plant Board has found and determined and does hereby declare the fungus *Gibberella fujikuroi* (bakanae strains), causal agent of the rice disease **Bakanae**, commonly known as "foolish seedling disease", a public nuisance, a pest and a menace to the rice industry.

The purpose of this quarantine is to prohibit introduction of the disease and its causal agent into rice production areas of Arkansas. The movement of *Gibberella fujikuroi* (bakanae strains) regulated articles from infested areas into Arkansas is hereby restricted.

QUARANTINE IMPLEMENTATION:

The Arkansas State Plant Board will implement the *Gibberella fujikuroi* (bakanae strains)/Bakanae or Foolish Seedling Disease of Rice-quarantine immediately upon adoption of the regulations. Regulatory action will be implemented at the discretion of the Board.

DEFINITIONS:

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Certificate- A document issued or authorized by the Arkansas State Plant Board, or regulatory official of the state of origin, indicating that a regulated article is not contaminated with *Gibberella fujikuroi* (bakanae strains), or has been treated in such a manner as to eliminate the organism. Such articles may be moved to any destination.

Compliance Agreement- A written agreement between the Arkansas State Plant Board and any person engaged in growing, dealing in or moving regulated articles wherein the latter agrees to comply with conditions specified in the agreement to prevent the dissemination of *Gibberella fujikuroi* (bakanae strains).

Exemptions- Provisions contained in these Regulations which allow for modifications in conditions of movement of regulated articles from regulated areas under specified conditions.

Farm Operator- Person responsible for the production and sale of a rice crop on any individual farm.

Infected- Presence of the causal organism on or in seed or any plant part that may or may not sustain and support the living and reproduction of the organism.

Infested- Actually infested with the organism or so exposed to infestation that it would be reasonable to believe that an infestation exists.

Inoculum- Spores or any other part of the causal organism that might serve to cause the organism to survive and reproduce on any plant or plant part that it comes into contact with.

Inspector- Any authorized employee of the Arkansas State Plant Board, or any other person authorized by the Arkansas State Plant Board to enforce the provisions of these rules.

Limited Permit- A document issued or authorized by the Arkansas State Plant Board or a designated regulatory official to provide for the movement of regulated articles to restricted destination for limited handling, utilization or processing or for treatment.

Mill Operator- A person responsible for the operation of a manufacturing plant, and all facilities of that plant, involved in the processing, packaging or handling of rough rice and rice products.

Milled Rice- Rice that has been subjected to processing to produce products from rough rice.

Milling Rice- Rice that has been produced, handled, acquired and destined for processing through a mill.

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Person- Any individual, corporation, company, society, association or other business entity.

Regulated Area- Any state or any portion of such state that is known to be infested with *Gibberella fujikuroi* (bakanae strains).

Research Rice- Any rice seed or rice plant parts that are to be used in a recognized research project conducted by a state or federal program under the supervision of a trained and credentialed professional staff that has in place proper safety programs to prevent the accidental release and/or spread of the disease.

Rice Mill- Any manufacturing plants and all associated facilities that are involved in processing rough rice to produce rice related products.

Rice- All parts of rice and wild rice plants of the genera *Oryza*.

Rice Hulls- The outer covering of the rice seed that usually is removed in the milling process.

Rice Production Area- Any area utilized in the growing of rice plants for production of the plant and/or subsequent seed for harvesting.

Rice Products- Any commodity or product that has been produced from any part of the rice plant and may contain parts of the original plant structure or they may be unrecognizable as having originated from the rice plant because of being subjected to additional processing.

Rice Mill Waste- Any trash or discarded material that was originally contained or in contact with rice plants, seed or other plant parts utilized in a milling process.

Rough Rice- Rice seed harvested, handled and transported in the same form it was in immediately following harvest and removal from the rice plant.

Seed Assay- Any test available to be applied to a sample, lot or other quantity of seed to determine the presence of *Gibberella fujikuroi* (bakanae strains).

Seed Rice- Seed removed from the rice plant and subjected to such processing as to make the seed suitable for use as planting material for subsequent rice crops. This processing may include but is not limited to cleaning, treating and bagging. Depending on the handling and products applied to this seed it may or may not be suitable for human consumption.

Treatment- Any process that may be applied to rice seed or other plant parts in an attempt to modify/or affect the presence of *Gibberella fujikuroi* (bakanae strains).

Used Rice Equipment- Any equipment previously used to harvest, strip,

transport, destroy or process rice.

REGULATED ARTICLES:

The following are regulated under the provisions of this Section:

- (1) The causal agent, *Gibberella fujikuroi* (bakanae strains), in any living stage of development;
- (2) Rice;
- (3) Rough Rice;
- (4) Seed Rice;
- (5) Research Rice;
- (6) Milling Rice;
- (7) Rice Hulls;
- (8) Rice Mill Waste;
- (9) Used Rice Equipment;
- (10) Any other products, articles or means of conveyance, not covered by subparagraphs (1) to (9) of this Rule, when determined by an inspector they present a hazard of spread of *Gibberella fujikuroi* (bakanae strains) and the person in possession thereof has been so notified.

CONDITIONS GOVERNING THE MOVEMENT OF REGULATED ARTICLES:

The following conditions govern the movement of regulated articles:

- (1) A certificate or limited permit is required to transport regulated articles from a regulated area into or through any rice production area.
- (2) A certificate or limited permit for movement of regulated articles may be obtained from the Arkansas State Plant Board or an authorized cooperator/collaborator agency.
- (3) A certificate or limited permit may be issued by an inspector if a regulated article:
 - a. Has originated in the non-infested area of this state or in a non-infested area of any other state and has not been exposed to infestation at any time; or
 - b. Has been treated to eliminate infestation; or
 - c. Has been subjected to a seed assay to determine if the causal agent is present and none is found; or

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- d. Has been grown, manufactured, stored or handled in such a manner that in the judgment of the inspector no infestation will be transmitted thereby.
- (4) Limited permits may be issued by an inspector to allow the movement of non-certified regulated articles for specified handling, utilization, processing or treatment in accordance with approved procedures, provided the inspector has determined that such movement will not result in the spread of *Gibberella fujikuroi* (bakanae strains).
- (5) When certificates or limited permits are required, they shall be securely fastened to the regulated article or to the outside of the container in which the regulated article is being moved.
- (6) Any certificate or limited permit which has been issued or authorized may be withdrawn by the inspector if he determines that the holder thereof has not complied with any conditions for the use of such documents or with any conditions contained in a compliance agreement.
- (7) Persons requesting certification or a limited permit must request the services from an inspector(s) at least 48 hours before the services are needed. The regulated articles must be assembled at the place and manner in which the inspector designates outside the rice production area. The following information must be provided at the time the request is submitted:
- a. The quantity of the regulated article to be moved,
 - b. The location of the regulated article,
 - c. The names and addresses of the consignee and consignor,
 - d. The method of shipment, and
 - e. The scheduled date of shipment.

QUARANTINE AREA:

Any rice production area where *Gibberella fujikuroi* (bakanae strains) and/or Bakanae (Foolish Seedling Disease) have been confirmed to occur.

INSPECTION AND DISPOSAL:

An inspector is authorized to stop and inspect any regulated article moving into a rice production area. Any article found to be infested with *Gibberella fujikuori* (bakanae strains) or having originated in an area where *Gibberella fujikuori* (bakanae stains) is known to occur and not certified, shall be subject to treatment or confiscation and destruction, without compensation, as required by the Arkansas State Plant Board.

COMPLIANCE AGREEMENT:

- (1) As a condition of issuance of certificates or limited permits for the movement of regulated articles, any person engaged in purchasing, assembling, exchanging, handling, processing, utilizing, treating or moving such articles may be required to sign a compliance agreement stipulating that he/she:
- a. Maintain such safeguards against the establishment and spread of any infestation;

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- b. Comply with such conditions as to the maintenance of identity, handling and subsequent movement of such articles; and
- c. Cleaning and treatment of means of conveyance and the containers used in the transportation of such articles as may be require by the inspector.

(2) Any compliance agreement may be cancelled by the inspector who is supervising its enforcement whenever he finds, after notice and opportunity to present views has been accorded to the other party thereto, that such other party has failed to comply with the conditions of the agreement. Any compliance agreement may be cancelled when compliance is no longer required.

VIOLATIONS AND PENALTIES:

Any violation of these rules may be subject to civil penalties under the authority of the Arkansas Plant Act of 1917, A.C. A. Section 2-16-203.

ADDENDUM “A”

ENFORCEMENT RESPONSE PLAN

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PENALTY MATRIX

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Range of \$50.00 to \$1,000.00 **NURSERY INSPECTION QUARANTINE SECTION** **Other: A: License Review**
ENFORCEMENT POLICY **B: Probation**
ARKANSAS ADMINISTRATIVE PROCEDURES ACT A.C.A. 25-15-201 **C: Invalidation of License**

VIOLATION	VIOLATION LEVEL	1ST Level of Enforcement	2ND Level of Enforcement	3RD Level of Enforcement	4TH Level of Enforcement
Failure to Secure a License or Permit Number	Minor	50 - 100	101 - 200	201 - 400	401 - 600
	Major	100 - 400	401 - 600	601 - 800	801 - 1000
	Other			A-B-C	C
Failure to Fulfill Contracts or Other Related replacements or adjustments	Minor	50 - 100	101 - 200	201 - 400	401 - 600
	Major	100 - 400	401 - 600	601 - 800	801 - 1000
	Other			A-B-C	C
Misrepresentation for the purpose of deceiving or defrauding	Minor	50 - 100	101 - 200	201 - 400	401 - 600
	Major	100 - 400	401 - 600	601 - 800	801 - 1000
	Other			A-B-C	C
Repeated sales of poor quality	Minor	50 - 100	101 - 200	201 - 400	401 - 600
	Major	100 - 400	401 - 600	601 - 800	801 - 1000
	Other			A-B-C	C
Unable to produce required records	Minor	50 - 100	101 - 200	201 - 400	401 - 600
	Major	100 - 400	401 - 600	601 - 800	801 - 1000

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VIOLATION	VIOLATION LEVEL	1ST Level of Enforcement	2nd Level of Enforcement	3rd Level of Enforcement	4th Level of Enforcement
	Other			A-B-C	C
Buying, digging, or possessing Ginseng out of season without proper documentation	Minor	50 - 100	101 - 200	201 - 400	401 - 600
	Major	100 - 400	401 - 600	601 - 800	801 - 1000
	Other			A-B-C	C
Shipped or moved regulated articles from a quarantine area without proper treatment or certificate	Minor	50 - 100	101 - 200	201 - 400	401 - 600
	Major	100 - 400	401 - 600	601 - 800	801 - 1000
	Other			A-B-C	C
Failure to label in accordance with the law and regulations	Minor	50 - 100	101 - 200	201 - 400	401 - 600
	Major	100 - 400	401 - 600	601 - 800	801 - 1000
	Other			A-B-C	C
Selling, transporting or disposing of in anyway, plants and nursery stock covered by a stop-sale notice	Minor	50 - 100	101 - 200	201 - 400	401 - 600
	Major	100 - 400	401 - 600	601 - 800	801 - 1000
	Other			A-B-C	C
Violating a compliance agreement	Minor	50 - 100	101 - 200	201 - 400	401 - 600
	Major	100 - 400	401 - 600	601 - 800	801 - 1000
	Other			A-B-C	C