



Connecticut Agricultural Experiment Station
New Haven

REGULATIONS CONCERNING
TRANSPORTATION OF NURSERY STOCK
IN THE
UNITED STATES AND CANADA

Compiled by

W. E. BRITTON, State Entomologist

AT THE PRESENT time nearly every state in the Union has laws or regulations in regard to the inspection, certification and transportation of nursery stock. These all have one object in view, namely, the control of plant pests. But conditions are not uniform throughout the United States, and each state has established such requirements as seem to give it the best protection, with the result that there are many different regulations.

This situation assumes a serious aspect to the nurserymen who may wish to fill orders received from 18 or 20 or more different states. In order to tabulate and bring together these varying regulations in convenient form for the use of Connecticut nurserymen, this bulletin has been prepared. It should be understood that it presents only a brief digest in each case, and if any points are not clear, the nurseryman should write to the officer in charge of inspection in that state for more information.

In addition to the various state laws and regulations, there are several Federal quarantines regulating the shipment of nursery stock. A digest of these has been included in this bulletin, together with the regulations of the District of Columbia and of the Dominion of Canada.

FEDERAL QUARANTINES

The following Federal quarantines concern the shipment of nursery stock:

White pine blister rust. Quarantine No. 63 regulates the interstate movement throughout the United States of five-leaf pines and currant and gooseberry plants. The infected states and District are designated as Connecticut, Idaho, Iowa, Maine, Maryland, Massachusetts, Michigan, Minnesota, Montana, New Hampshire, New Jersey, New York, Ohio, Oregon, Pennsylvania, Rhode Island, Vermont, Virginia, Washington, West Virginia, Wisconsin and the District of Columbia.

Pine Shipments

These regulations require a Federal pine-shipping permit for the shipment or transportation of five-leaf pines from any infected state or District; except that in the case of shipments to or between the states of Connecticut, Maine, Massachusetts, New Hampshire, New York, Rhode Island and Vermont, a control-area permit secured from the proper officer of the state of destination may, until further notice, be substituted for the Federal pine-shipping permit.

Pine-shipping permits are issued for pines grown from seed in a nursery which is protected from blister-rust infection by a *Ribes*-free zone around the premises.

Valid state nursery inspection certificates are also required as to all interstate movement of five-leaf pines in the United States.

Currant and Gooseberry Shipments

The interstate movement of European black-currant, *Ribes nigrum*, plants is prohibited except to and between the states of Alabama, Arkansas, Florida, Kansas, Louisiana, Mississippi, Missouri, Nebraska, North Dakota, Oklahoma, South Dakota and Texas.

Currant and gooseberry plants shipped from any infected state or district must be either dormant and defoliated or else dipped in lime-sulfur solution (4.5°B.) *immediately before shipment*. The solution is prepared by diluting 1 part of commercial concentrated lime-sulfur solution of 32 degrees B. with 8 parts of water.

A control-area permit must be secured from the state of destination for shipments of currant and gooseberry plants into those states which have legally established areas in which the growing of currant and gooseberry plants is prohibited. Such states are Connecticut, Idaho, Maine, Massachusetts, Michigan, New Hampshire, New York, Rhode Island and Vermont.

Black stem rust of grains. Quarantine No. 38, with regulations revised effective August 1, 1931, and amended effective February 20, 1935, prohibits the movement of any plants (or parts of plants capable of propagation) of the genus *Berberis* (barberry) or of the genera *Mahonia* or *Mahoberberis* (*Mahonias*, hollygrapes, holly barberries, or Oregon grapes) into any of the protected states, unless a permit shall have been issued therefor by the United States Department of Agriculture, except that no restrictions are placed on the shipment of Japanese

barberry (*Berberis thunbergii*) or any of its horticultural varieties, or of cuttings of Oregon grape shipped for decorative purposes and not for propagation. The protected states are: Colorado, Illinois, Indiana, Iowa, Michigan, Minnesota, Montana, Nebraska, North Dakota, Ohio, South Dakota, Wisconsin and Wyoming.

Permits are issued to nurseries which grow only those species of *Berberis* and *Mahonia* which are immune or resistant to black stem rust infection.

Gypsy moth and brown-tail moth. Quarantine No. 45 regulates the interstate shipment of all nursery stock, forest products, Christmas trees and Christmas greens and greenery, such as holly and laurel, stone and quarry products from the infested area in the New England States, and from the generally infested to the lightly infested areas within those states. Nursery stock must be inspected and certified by Federal inspectors.

Japanese beetle. Quarantine No. 48 (revised) regulates the interstate movement of all nursery stock and other materials including soil from the regulated areas to or through outside points. The regulated areas include the entire states of Connecticut, Delaware, Massachusetts, New Jersey and Rhode Island, the District of Columbia, and parts of the states of Maine, Maryland, New Hampshire, New York, Pennsylvania, Vermont, Virginia and West Virginia.

Satin moth. Quarantine No. 53, as revised, prohibits the interstate shipment from the infested areas in Maine, Massachusetts, New Hampshire, Rhode Island, Vermont, Connecticut and Washington to outside points, of all species and varieties of willow and poplar trees or parts thereof capable of propagation. Federal permits may, however, be issued for the interstate movement of poplar and willow trees or parts thereof from the regulated area on the following conditions: Trees must have originated outside of the regulated area; taken within that area they must be kept entirely removed from other poplar and willow trees, and so segregated as to be easily identified, and so placed that in the judgment of the inspector no infestation can be transmitted. Such permits are issued only for the period from October 1 to April 30.

Woodgate rust. Quarantine No. 65 prohibits the interstate movement from the regulated area in the state of New York of trees, branches, limbs, or twigs of Scotch pine, Canary Island pine, slash pine, Japanese red pine, Corsican pine, stone pine, western yellow pine, Monterey pine, loblolly pine, or Jersey pine, or of any variety thereof, or of any species or variety of hard pine hereafter found to be susceptible to the Woodgate rust.

Dutch elm disease. Quarantine No. 71, effective February 25, 1935, prohibits the interstate movement from the regulated areas in the states of New Jersey, New York, and Connecticut to or through any point outside thereof, of any and all parts of elms of all species, irrespective of whether nursery, forest, or privately grown, except that elm lumber or elm products, if entirely free from bark, are exempt from restriction.

For further information regarding Federal quarantines and regulations

address: Bureau of Entomology and Plant Quarantine, U. S. Department of Agriculture, Washington, D. C.

District of Columbia

Each package of nursery stock (all woody plants including such greenhouse-grown plants as palms and roses) entering the District of Columbia, must bear a valid certificate of inspection, and must be marked with the nature of the contents and with the name and address of both the consignor and consignee. Herbaceous perennial plants, bulbs and roots are required to be marked with the name and address of the consignor and the consignee and with the nature of the contents, but certification in advance is not required. There are no restrictions on the shipment into the District of Columbia of annual plants, cut flowers, evergreen branches or trees without roots and other portions of plants without roots and free from soil and not intended for propagation, except that compliance with any special plant quarantines or other restrictive orders which may be applicable to such plants is required.

Bureau of Entomology and Plant Quarantine, Washington, D. C.

Postal Regulations Regarding Nursery Stock Shipped by Parcel Post

The United States Postal Laws and Regulations, Section 595, (a), governing the mailing of plants and plant products, reads as follows:

"Nursery stock, including all field-grown florists' stock, trees, shrubs, vines, cuttings, grafts, scions, buds, fruit pits, and other seeds of fruit and ornamental trees or shrubs, and other plants and plant products for propagation, except field, vegetable and flower seeds, bedding plants and other herbaceous plants, bulbs, and roots, may be admitted to the mails only when accompanied with a certificate from a State or Government inspector to the effect that the nursery or premises from which such stock is shipped has been inspected within a year and found free from injurious insects and plant diseases, and the parcel containing such stock is plainly marked to show the nature of the contents and the name and address of the sender."

DOMINION OF CANADA

Nursery stock and all plants for ornamental purposes, propagation or cropping, (seeds and seed potatoes excepted), from the United States, can enter Canada only after permits (and official labels, if to be sent by mail) have been procured by the importer from the Secretary, Destructive Insect and Pest Act Advisory Board, Ottawa, Canada. Applications must specify the quantity, kind, value, origin and destination of stock, the name and address of consignor and consignee, and whether the stock is to be shipped by mail or otherwise. The importer must retain the permit to present with the other papers in clearing the importation on arrival but he must furnish the permit number to the shipper, and this number must be marked on every container and on the shipping papers. A certificate of inspection issued at the time of packing must be supplied. The original permit must accompany the way-bill with copy on containers. It must be signed by an authorized official of the state or country where the stock originated, contain the name and address of both consignor

and consignee, and a declaration of kind and quantity of the stock. The following are designated as ports of importation:

Halifax, N. S.	Toronto, Ont. (Parcel Post only)
Saint John, N. B.	Windsor, Ont.
Montreal, P. Q.	Winnipeg, Man.
Ottawa, Ont.	Estevan, Sask.
Niagara Falls, Ont.	Vancouver, B. C.

Regulations *prohibit the importation* of conifers from New England; all five-leaf pines; chestnut (*Castanea dentata*) and chinquapin (*Castanea pumila*), including hybrids and horticultural varieties; all currants and gooseberries, except commercial varieties of gooseberries and red and white currants to be cultivated for their edible fruits only; European buckthorn and all varieties of rust barberry (*Berberis vulgaris*); all varieties of *Corylus* into British Columbia from the states of Montana, Wyoming, Colorado, New Mexico, and all other states eastward; all peach nursery stock and peach fruit pits or seeds for propagating purposes into British Columbia from the states of Wisconsin, Illinois, Missouri, Arkansas and Texas and all other states eastward; tobacco seed from all states, elms from all states and living insects (except honey bees) from all states unless a special permit has been secured.

Regulations *restrict importation as follows*: Potatoes from California must have a special fumigation certificate; potatoes from Pennsylvania, West Virginia and Maryland, special certificate of origin; nursery stock except conifers and forest products, etc. from New England, special certificate covering freedom from brown-tail and gypsy moth. During the period June to December, certain cut flowers or plants from the corn borer infested states must have a special certificate covering freedom from European corn borer; shell corn throughout the year from corn borer infested states, a special certificate covering freedom from corn borer; peach and nectarine trees or roots from all states, a special certificate declaring nursery of origin, and district within one mile of the nursery, to be free from phony peach disease, and further that the trees themselves are free from peach borer.

LEONARD S. McLAINE, Secretary, Destructive Insect and Pest Act, Advisory Board, Department of Agriculture, Ottawa, Canada.

STATE REGULATIONS

Filing of Certificates in Other States

In order to ship nursery stock into the following states, it is necessary to file duplicate inspection certificates:

Alabama	Maryland	Ohio
Arkansas	Massachusetts	Oklahoma
Connecticut	Michigan	Pennsylvania
Florida	Minnesota	South Carolina
Georgia	Mississippi	South Dakota
Idaho	Missouri	Tennessee
Illinois	Nebraska	Texas
Indiana	New Mexico	Virginia
Iowa	New York	West Virginia
Kansas	North Carolina	Wisconsin
Kentucky	North Dakota	Wyoming
Louisiana		

Filing of Bonds

Bonds are required in the following states:

Arkansas	\$1,000.00	Idaho	\$1,000.00
Georgia	1,000.00	Montana	1,000.00

Tennessee requires a bond of \$5,000 where trees are planted by outside nurserymen under contract to prune and spray for a period of years.

Payment of Fees

The payment of fees is required for registration in certain states, as follows:

State	Registration fee	Agent's fee	State	Registration fee	Agent's fee
Alabama	\$10.00	\$ 1.00	Nebraska		\$ 1.00
	(Dealers)—10.00		New Mexico	\$ 5.00	
Arkansas	5.00	1.00	Ohio	5.00	1.00
Georgia	5.00	1.00	Oklahoma	5.00	
Idaho	15.00	1.00	Oregon	15.00 ²	1.00
Indiana	1.00	1.00	South Dakota	10.00	1.00
Iowa	5.00		Texas	5.00	
Kentucky	5.00	5.00	Utah	10.00	
Maine	5.00		Virginia	10.00	1.00
Michigan	15.00	1.00	Washington	5.00	1.00
Minnesota—Reciprocal fee			(Dealers)—15.00		
Missouri	5.00		West Virginia	20.00	
Montana	25.00 ¹		Wyoming	15.00	

Fumigation

All deciduous nursery stock subject to the attack of San José scale must be fumigated with hydrocyanic acid gas and labeled with a certificate or affidavit stating that this has been done, before it will be allowed to enter the states of Florida¹ and Tennessee.

State Quarantines on Account of European Corn Borer

Since the repeal of the European corn borer quarantine in 1932, 32 states have established quarantine regulations for protection against this insect. Prohibited or restricted articles are: corn, broomcorn, sorghums, Sudan grass (debris, cobs and parts of plants except clean shelled corn and seeds), aster, chrysanthemum, gladiolus, dahlia (cut flowers or entire plants except bulbs or tubers without stems), beans in the pod, beets with tops, rhubarb, celery, oat and rye straw, cosmos, zinnia, hollyhock (cut flowers or entire plants).

This class of plants and plant material is rarely shipped by nurserymen with the exception of hardy chrysanthemums and hollyhocks. Special certificates showing freedom from infestation are necessary for these if they are to be shipped into the following states:

¹Covering all Montana agents. Agents for unlicensed nurseries must pay annual fee of \$25 and file bond of \$1,000. Inspection fees, \$10 per car lot, smaller lots in proportion. Unlicensed nurseries, 10 per cent of invoice price, with minimum of 50 cents per package.

²Fee only \$5.00 in case the gross sales are less than \$300 a year.

³Fumigate all host plants of San José scale with hydrocyanic acid gas, at the standard dosage, or thoroughly scrub in a solution of fish oil soap at a dilution of one lb. of soap to three gal. of water immediately before shipment into Florida. Such stock entering Michigan must bear certificate of fumigation.

Arizona	Kansas	Oregon
Arkansas	Kentucky	South Carolina
California	Louisiana	South Dakota
Colorado	Michigan	Tennessee
Florida	Mississippi	Texas
Georgia	Missouri	Utah
Idaho	Nebraska	Vermont
Illinois	Nevada	Virginia
Indiana	New Mexico	Washington
Iowa	Ohio	Wisconsin
	Oklahoma	Wyoming

State Tags

State tags are required and will be furnished at the shippers' expense, by the following states:

Alabama	Michigan ¹	Texas ²
Arkansas	Mississippi	Virginia
Florida	New Mexico	West Virginia
Georgia	North Carolina	Wisconsin
Louisiana	South Carolina	Wyoming

Special Inspection and Certification of Raspberry Plants

In an attempt to control mosaic and allied diseases of raspberry plants, certain states require two summer inspections, one in June, and the other a month later, and after all mosaic plants discovered at the first inspection have been removed. If the plants are then free from mosaic diseases, a certificate to that effect may be granted. The following states require this special inspection and certification for shipping raspberry plants:

Kansas	New Jersey	Vermont
Michigan	New York	Wisconsin
Minnesota	North Dakota	

Requirements of Various States

Alabama. Nurserymen in other states wishing to ship stock into Alabama must obtain an Alabama license by filing a signed copy of inspection certificate, with fee of \$10. Each package of nursery stock entering the state must bear an Alabama tag, which is furnished at cost. Dealers must register, file list of all nurseries from which they purchase stock, pay fee of \$10 and obtain a dealer's certificate. An agent's certificate (cost \$1.00) must be obtained through the principal for each agent selling nursery stock in Alabama. Nursery stock infested with San José scale, new peach scale, woolly aphis, brown-tail moth, gypsy moth, crown gall, black knot, citrus canker, peach yellows, pear blight, apple blotch, root nematode, peach borer, grape phylloxera or nut grass, must not be sold in Alabama.

B. P. LIVINGSTON, Chief, Division of Plant Industry, Montgomery, Ala.

Arizona. All nursery stock and plant products entering Arizona through the United States mails or transported in any manner shall be prominently labeled, showing (a) name and address of consignor; (b)

¹For use only on native trees not grown in a nursery.

²Texas requires tags showing an exact copy of the Texas permit but the shipper must have them printed from the original certificate.

name and address of consignee; (c) certificate of inspection; (d) locality where grown, and (e) contents of shipment. Common carriers shall not deliver to consignee any shipment of nursery stock or plant products until inspected by the State Entomologist or his agent and a certificate of release issued in each case to the common carrier and to the consignee. Postmasters are required to forward all parcels of nursery stock or plant products to the nearest Post Office Inspection Station, and cannot forward from these stations to point of destination any parcel of nursery stock or plant products unless accompanied by an inspected plant shipment tag.

Quarantines prohibit the entrance of: Peach, nectarine or apricot trees or cuttings, grafts, scions, buds or pits, or trees budded or grafted upon peach stock from Massachusetts, Rhode Island, Connecticut, New York, New Jersey, Pennsylvania, Delaware, Maryland, Virginia, Ohio, Indiana, Michigan, Illinois, West Virginia, Tennessee, North Carolina, Arkansas, Nevada, Florida, Mississippi, Kentucky, and Ontario, Canada, and any other section in which peach yellows or rosette are known to exist; peach, nectarine, almond, apricot, plum, cherry, chokecherry, quince, pear, and apple trees or plants or parts thereof including the fresh fruits, and all barrels, boxes, baskets or other containers that have been used to hold the same from the states of Alabama, Arkansas, Connecticut, Delaware, Florida, Georgia, Indiana, Louisiana, Maryland, Mississippi, North Carolina, New Jersey, New York, Ohio, Pennsylvania, South Carolina, Tennessee, Texas, Virginia, West Virginia, and the District of Columbia on account of the Oriental fruit moth; pecan, hickory and Japanese walnut trees, cuttings, grafts, scions and buds from all outside sources, with the exception of California, on account of the pecan nut insect pests.

D. C. GEORGE, State Entomologist, Box 2006, Phoenix, Ariz.

Arkansas. Reciprocal registration fees: Nurserymen shipping into Arkansas will be charged the same registration fee that the state in which the nursery is located would charge an Arkansas nurseryman shipping into that state.

Permit to be attached to each package: A permit-label must be attached to each package of nursery stock coming into Arkansas. The price in all quantities is 2 cents each. When several orders are shipped in one container, a permit must be attached to each order, as well as to the container.

Bond and agents: Bond is not required of nurserymen except those having agents in Arkansas, in which case a surety company bond for \$1,000 must be filed and a license fee of \$5 must be paid, and a license (fee \$1) must be secured for all agents.

Quarantines: Arkansas has no quarantines affecting nursery stock. However, nurseries are requested to refrain from shipping chestnut trees into Arkansas unless special arrangements have been made with the Arkansas Plant Board.

Permits subject to cancellation: Permits are subject to cancellation because of diseased shipments, or for failure of the nursery to carry out the Board's requirements.

Applying for permits: In applying for permits, send a copy of current certificate of inspection or dealer's certificate, a registration fee, if any, as indicated in the first paragraph, and 2 cents for each permit desired.

(Unused permits are not redeemable). If nurseries will have agents in Arkansas, they should request bond form and file name and address of each agent and one dollar for each agent's license.

Cut flowers or entire plants of chrysanthemum, aster, cosmos, zinnia, hollyhock, and cut flowers or entire plants of gladiolus and dahlia, except the roots, bulbs, or corms thereof, without stems, cannot be shipped into Arkansas from the states of Connecticut, Indiana, Maine, Massachusetts, Michigan, New Jersey, New Hampshire, New York, Ohio, Pennsylvania, Rhode Island, Vermont, and West Virginia, unless they have been inspected by a state or Federal inspector and certified by same to be free from the European corn borer, and unless a certificate to this effect is attached to each container.

There are no requirements governing shipment of bulbs and herbaceous plants, except sweet potato, tomato, onion and cabbage plants.

PAUL H. MILLAR, Chief Inspector, Little Rock, Ark.

California. All shipments of nursery stock, plants, seeds, and similar material into the state of California must be marked in a conspicuous manner and place with name and address of the shipper, the name and address of the consignee, and a statement of the contents of each package; also the name of the country, state, or territory where the contents were grown.

Of several state quarantines, the following are of interest to shippers to California:

Quarantine Order No. 1 (new series) restricts the entry into California of citrus fruits, and prohibits all varieties and species of citrus plants and parts thereof, including buds and scions.

Quarantine Order No. 2 (new series) prohibits the entry into California of all Chestnut and chinquapin trees, plants, grafts, cuttings, scions and nuts thereof from all states and districts east of and including the states of Montana, Wyoming, Colorado, and New Mexico, on account of chestnut bark disease.

Quarantine Proclamation No. 3 (new series) prohibits the entry into California of all varieties and species, including the flowering forms of peach, nectarine, almond, apricot, plum, cherry, chokecherry, quince, pear, and apple trees and plants, and fresh fruits thereof, from the states of New York, Connecticut, New Jersey, Ohio, Pennsylvania, Maryland, Delaware, Kentucky, West Virginia, Virginia, Tennessee, North Carolina, South Carolina, Florida, Georgia, Alabama, Mississippi, Louisiana, Arkansas, Texas, Indiana, Illinois, Missouri, Kansas and the District of Columbia; also states of Massachusetts, Michigan, Rhode Island, and Province of Ontario, Canada, on account of the Oriental fruit moth.¹

Quarantine Order No. 4 (new series) prohibits the entry into California of all trees, plants, grafts, cuttings; or scions of all species and varieties of the cultivated filbert or hazelnut and American wild hazel (*Corylus americana*) from all states and districts east of and including the states of Montana, Wyoming, Colorado, and New Mexico, on account of Eastern filbert blight.

Quarantine Proclamation No. 11 (new series) prohibits the entry into California of peach, nectarine, almond, plum or apricot trees or cuttings,

¹Budwood and scions admitted from quarantined area on permit of the Director of Agriculture.

grafts, scions, buds, or pits of such trees; or any trees budded or grafted upon peach stock or roots that have been in a district where the disease known as contagious peach rosette is known to exist. The states known to be infected are as follows: Massachusetts, Connecticut, Rhode Island, New York, New Jersey, Delaware, Maryland, Pennsylvania, West Virginia, Virginia, North Carolina, Tennessee, Kentucky, Mississippi, Ohio, Michigan, Illinois, Indiana, Arkansas, Florida, South Carolina, Georgia, Alabama, Oklahoma, and the District of Columbia.

Quarantine Order No. 12 (new series) prohibits the entry into California of all varieties and species of hickory, pecan, and walnut trees (*Hicoria* sp. and *Juglans* sp.) and parts thereof, including grafts, cuttings or scions from all states east of and including the states of Montana, Wyoming, Colorado, and New Mexico, on account of the pecan leaf case-bearer and the pecan nut case-bearer.¹

Quarantine Order No. 15 (new series—revised) prohibits the entry into California of susceptible plants from the region infested by the European corn borer unless accompanied by a certificate signed by an inspector of the Bureau of Plant Quarantine of the U. S. Department of Agriculture.

Quarantine Circular No. 6 (new series) provides that grapevines or cuttings will be admitted if free from Phylloxera, subject to hot water treatment upon arrival.

A. C. FLEURY, Chief, Bureau of Plant Quarantine, Sacramento, Calif.

Colorado. Each package of nursery stock entering the state must bear a certificate of inspection signed by a duly authorized inspector in the state from which it was shipped. On arrival, shipments are turned over to the County Inspector, who, in turn, if they pass inspection, releases them to the consignee. Stone fruit nursery stock entering Colorado must be accompanied by permit tags issued by The Bureau of Plant and Insect Control, State Museum, Denver.

Quarantines prohibit the entrance of the common barberry.

Bureau of Plant and Insect Control, State Museum, Denver, Colo.

Connecticut. Nurseries are inspected annually and nurserymen and dealers must register; nurserymen receive registration and inspection certificates, and dealers receive permits. Out-of-state nurserymen must make application and file signed copies of their valid inspection certificates and receive permits before shipping stock into the state. All stock entering the state must be accompanied by both certificate and permit, and all stock transported within the state must be accompanied by either a certificate or by a permit, and transportation companies are subject to prosecution for accepting shipments without valid certificates or permits. Nursery stock imported from foreign countries must be held unopened until inspector arrives. Inspectors have authority to inspect any stock at destination.

Quarantines regulate the shipment of all nursery stock and forest products, on account of the gypsy moth and prohibit the shipment of all poplar and willow from the area infested by the satin moth, and all elms from the Dutch elm disease area.

W. E. BRITTON, State Entomologist, New Haven, Conn.

¹Budwood and scions admitted from quarantined area on permit of the Director of Agriculture.

Delaware. Each shipment of nursery stock entering the state must be accompanied by a copy of the nursery inspection certificate, and all stock must conform to the Federal rules and regulations.

RALPH C. WILSON, Secretary, State Board of Agriculture, Dover, Del.

Florida. Each nurseryman shall (1) file with the Nursery Inspector, Gainesville, Florida, a copy of his certificate of inspection, personally signed by the proper official of his state, and make application for permit tags on a form supplied by the Nursery Inspector; (2) secure Florida permit tags (price list furnished); (3) attach one, and only one, Florida permit tag to each package, box or bundle of woody perennials, including palms, shipped into Florida. In club orders, one permit tag should be attached to each individual order, and one permit tag attached to the package containing the individual orders; (4) each permit tag is serially numbered. An invoice showing the name and address of consignor, name and address of consignee, kind and amount of nursery stock in the shipment, and number of the permit tag attached to the shipment, should be mailed the Nursery Inspector, Gainesville, on the day the shipment is made. An invoice is required for each individual order in a club order and also for the package containing the individual orders; (5) return all spoiled or mutilated permit tags to the Nursery Inspector for cancellation; (6) return all unused permit tags when the same become void; (7) fumigate all host plants of San José scale with hydrocyanic acid gas, at the standard dosage, or thoroughly scrub in a solution of fish oil soap at a dilution of one pound of soap to three gallons of water, immediately before shipment into Florida. (8) Plants showing root knot, hairy root, crown gall, or any especially injurious insect or disease will not be permitted entry into the state of Florida. (9) All citrus trees and parts thereof are prohibited entry into the state of Florida from all other states and countries.

NURSERY INSPECTOR, State Plant Board, Gainesville, Fla.

Georgia. Each nurseryman, dealer, agent, salesman or solicitor selling or offering nursery stock for sale must (1) Secure license. Fee for nurserymen and dealers, \$5.00; agents, \$1.00. Agent's license furnished only upon request of nursery represented. (2) File affidavit agreeing to observe regulations, to cull out visibly affected stock, and to fumigate with hydrocyanic acid gas. (3) Furnish bond of \$1,000 and maintain for three years as guarantee that all stock sold will be true to all selling claims, name, variety, etc. Surety bond required except from incorporated firms. (4) Purchase Georgia certificate tags and attach one, together with tag of state of origin, to each package, crate, or bundle shipped. Tags furnished only in multiples of 100; first 100, \$2.00. (5) Return tag invoice stubs showing name and address of consignee and quantity and kind of plants, not later than end of week during which shipment was made.

Nursery stock includes all woody perennials, both open and house grown, and strawberries. Does not include herbaceous plants, roots thereof, and bulbs. Soft-bodied plant certificates for this latter class of stock, obtainable at 35 cents a hundred when order is accompanied by duplicate certificate, will expedite movement, since all stock not accompanied by Georgia certificate is held for terminal inspection.

¹Soft bodied herbaceous plants, including strawberry plants, are not classed as nursery stock.

Stock from areas infested with Japanese camphor scale prohibited. Stock from areas under Federal Quarantine admitted only in strict accordance with Federal regulations.

M. S. YEOMANS, State Entomologist, Atlanta, Ga.

Idaho. No person, firm or corporation outside of Idaho shall sell nursery or floral stock by agents within the state without first applying to the Department of Agriculture for an annual license, according to the following schedule: Class A.: Persons, firms or corporations doing a gross business in Idaho of over \$200.00 per annum must furnish the Department of Agriculture a \$1,000 bond and pay an annual license fee of \$15.00 and \$1.00 annual license fee for each agent. Class B: Persons, firms or corporations doing a gross business of \$200.00 or less in Idaho per annum must pay a \$5.00 annual license and \$1.00 annual license fee for each agent, but no bond is required. All shipments into the state must show name of shipper, locality where grown, variety of nursery or floral stock. All nursery and floral stock shipped into the state must be inspected upon arrival, and when neither the shipper nor receiver has an Idaho license there is a destination inspection charge at the rate of 10 per cent of the invoice value of the shipment. An inspection certificate tag must be attached to all shipments.

State quarantines exclude the entrance of all five-leaf pine, currant, gooseberry, peach nectarine, prune, almond or other trees worked on peach stock and all pits, cuttings, buds, or scions grown in a district where peach yellows or other detrimental diseases exist.

Permits for entry must be secured from the Bureau of Plant Industry and accompany the shipment before any currants or gooseberries can be shipped into the state. The eight northern counties are designated as a blister rust control area from which currants, gooseberries, and five-leaf pines are excluded.

W. H. WICKS, Director, Bureau of Plant Industry, Boise, Idaho.

Illinois. Outside nurserymen and dealers in nursery stock wishing to ship nursery stock into Illinois or to solicit business through agents in Illinois, are required to send to the office of the Chief Plant Inspector a duplicate copy of their certificate of inspection personally signed by their State Inspector. Those employing agents are required to apply to the Chief Plant Inspector for a permit to employ agents in Illinois and for a permit for each agent so employed before he engages in the business of soliciting orders for nursery stock. All agent's permits must be renewed annually after July 1. All outside nurseries are required to file a complete list of all agents in this state after that date.

All nursery stock entering the state must bear a valid State or Federal certificate of inspection, the names and addresses of the consignor and the consignee, and a statement of the nature of the stock.

Transportation companies receiving stock without certificate of inspection must report the fact to the Department of Agriculture and must either return the stock to the consignor, hold it for inspection, or send it to the Department of Agriculture for inspection. Any person receiving nursery stock without certificate in this state is required to notify the Department of Agriculture and not to use the stock nor let it pass from his

possession until it has been inspected or released by the Department of Agriculture and expenses incurred paid.

A state quarantine prohibits shipment into Illinois of all species and varieties of the genus *Castanea* from the New England States, Alabama, Delaware, Georgia, Indiana, Iowa, Kentucky, Maryland, New Jersey, New York, North Carolina, Ohio, Pennsylvania, South Carolina, Tennessee, Virginia and West Virginia.

Stock shipped into Illinois in violation of a State or a Federal quarantine is destroyed or returned to the consignor or otherwise disposed of at the discretion of the Department.

H. F. SEIFERT, Chief Plant Inspector, Division of Plant Industry, Urbana, Illinois.

Indiana. Nursery stock entering or shipped within the state must bear an official inspection certificate and give the names of both the consignor and the consignee. All out-of-state nurseries must file with the State Entomologist a copy of their valid inspection certificate before shipping stock into the state. Nurseries having agents in Indiana must pay a fee of \$1.00 to obtain a license before shipping. Each dealer and agent selling or soliciting sales of nursery stock in Indiana must pay \$1.00 and obtain a license from the State Entomologist.

FRANK N. WALLACE, State Entomologist, Department of Conservation, Indianapolis, Indiana.

Iowa. Copy of inspection certificate must be filed with and approved by the State Entomologist, and must accompany each shipment of nursery stock into the state. The State Entomologist may make reciprocal agreements with other state officials regarding fee. Otherwise the fee for out-of-state shippers is \$5.00.

Quarantine against the European corn borer prohibits all the usual host plants entering the state from the infested areas, unless accompanied by a certificate of inspection showing freedom from the pest.

CARL J. DRAKE, State Entomologist, Ames, Iowa.

Kansas. Nurseries are inspected annually and all certificates expire on January 1 following date of issue. Nursery stock from other states must be accompanied by a recognized certificate of inspection, and may be inspected in transit or at destination. If found infested, stock may be returned to consignor at his expense, treated or otherwise disposed of as the inspector may direct.

Nurserymen both within or outside the state who sell nursery stock at retail through agents in Kansas shall file a list of such agents with addresses; said agents shall carry with them at all times credentials of appointment from the nurseries which they represent and copies of inspection certificates issued to said nurseries.

All raspberry plants entering the state must be certified as being free from all diseases of the virus type, except so-called "mild mosaic" of black and purple raspberries, after two inspections the preceding growing season, with an interval of 30 days between inspections. Duplicate certificates of other states must be filed.

GEO. W. KINKEAD, Secretary, Entomological Commission, Topeka, Kansas.

Kentucky. Kentucky nurseries are inspected annually and certificates are issued when stock is found free of dangerous pests. All nurserymen, resident or non-resident, must file credentials at this office annually, and if in good standing receive a permit on payment of a fee of \$5.00.

Agents and dealers must file credentials annually, including names of "nurseries, nurserymen, or persons represented," and on payment of a fee of \$5.00 are issued a permit. Agents while soliciting orders must carry their permits to show prospective buyers, county officials, or agents of the State Entomologist, on demand. Quarantines are provided for.

W. A. PRICE, State Entomologist, Lexington, Ky.

Louisiana. Before shipping nursery stock into Louisiana, application must be made to the Entomologist for permit, by filing copy of valid certificate and order for certificate tags, accompanied by money to pay for them (price on application). The Louisiana tag and the inspection certificate of the state where the stock was grown must both accompany each shipment. The invoice stub of each permit tag must be filed with the Entomologist once a week, showing the number and varieties of plants shipped.

W. E. ANDERSON, State Entomologist, Department of Agriculture Baton Rouge, La.

Maine. All individuals or firms selling or soliciting sales of nursery stock that they have not grown shall annually obtain a license from the State Horticulturist by paying a fee of \$5.00. All stock entering the state shall bear on each box or package a valid inspection certificate; such stock may be inspected at destination and if found infested with dangerous pests may be destroyed or returned to the consignor.

STANLEY L. PAINTER, State Horticulturist, Augusta, Me.

Maryland. Nurseries are inspected twice each year. Nursery stock coming from blocks that show evidence of San José scale must be hand-inspected to eliminate visibly infested stock. Shipments entering the state must bear certificates of inspection, besides names of consignor and consignee. A duplicate certificate should be filed with the State Entomologist.

Maryland has quarantines designed to protect the state against the Japanese beetle, gypsy moth, white pine blister rust and potato wart. These regulations are similar to the Federal quarantines and are administered in coöperation with the Federal authorities.

ERNEST N. CORY, State Entomologist, College Park, Md.

Massachusetts. All growers and agents who sell nursery stock for delivery within the state must have a grower's certificate or an agent's license, and a copy of such certificate or license must accompany each car, box or package of stock shipped or delivered. Agents must apply to Director, Division of Plant Pest Control, Boston, Mass., and file list of nursery firms from which they purchase stock before receiving agent's license. Authority is granted to inspect at destination all stock entering the state, and if found infested it may be destroyed, treated, or returned to the consignor at his expense.

Quarantines prohibit *Ribes* from entering the state except under permit.

R. H. ALLEN, Director, Division of Plant Pest Control, 136 State House, Boston, Mass.

Michigan. All nurseries are inspected at least annually. Annual fees are: nurseryman, \$15; native tree dealers and dealers in nursery stock, \$10; growers and dealers in perennial plants, \$2; agent's permit, \$1.

Out-of-state nurseries must file copies of their inspection certificates and need not obtain licenses unless they operate through Michigan agents, in which case each must have an out-of-state license, for which the annual fee is \$25. Each Michigan agent for an out-of-state nursery must carry an agent's permit (Fee, \$1.00) transferable from one agent to another within the period of one year. All native trees and shrubs not grown in a regular nursery require that a special native tree tag furnished at cost by the Commissioner of Agriculture, be attached to each plant.

Quarantine No. 534 against the two-generation European corn borer, prohibits the entry of susceptible plants with stalks, unless inspected and certified by a duly authorized state or Federal inspector, and a copy of the certificate is attached to each package or shipment.

E. C. MANDENBURG, In Charge of Orchard and Nursery Inspection, Department of Agriculture, Lansing, Mich.

Minnesota. All shipments must be accompanied by a valid certificate of inspection on the outside of each package. A copy of this certificate must be filed with the State Inspector before nursery stock is shipped into the state. No filing fee is required unless the nurseries are located in states which charge Minnesota nurseries, dealers, or agents, a fee for shipping stock into such states. A fee is charged in the same amount as such states charge Minnesota nurseries, dealers, or agents. All agents and salesmen are required to carry an agent's registration card. This is issued only through the firm which they represent.

Minnesota Quarantine No. 5 prohibits the entry of alfalfa hay and other hay of all kinds and cereal straw if grown or stored in the State of Utah and certain portions of the states of Idaho, Colorado, Nevada, California, Oregon, and Wyoming, on account of the alfalfa weevil.

Minnesota Quarantine No. 6 requires that all raspberry plants shipped into Minnesota must be accompanied by a valid certificate showing that the plants have been inspected and found apparently free from mosaic and other virus diseases. A special affidavit signed by the shipper may be accepted in lieu of such certificate on each package.

The term "nursery stock" includes all wild and cultivated trees, shrubs, perennial vines, small fruit plants, perennial roots, rhizomes, herbaceous perennials, cuttings, buds, grafts and scions for or capable of propagation. A certificate of inspection is not required for greenhouse or housegrown plants, bedding plants, herbaceous annuals, vegetable plants, bulbs, corms and tubers.

All nursery stock for shipment into Minnesota must comply with the requirements of quarantines promulgated by the Federal Bureau of Entomology and Plant Quarantine.

A. G. RUGGLES, State Entomologist, University Farm, St. Paul, Minn.

Mississippi. Each package of nursery stock shipped into Mississippi must have attached to it a Mississippi permit. Also, there must be a statement on each shipment showing the name and address of the con-

signor. The permits may be obtained at actual cost from the State Plant Board, at State College, Mississippi, after a satisfactory certificate of inspection issued by the duly authorized state official has been filed. The manager of the nursery must sign and file with the Plant Board an agreement with reference to complying with the Mississippi law in shipping nursery stock.

All plants capable of defoliation must be defoliated. Plants infected with root knot (caused by nematodes), crown gall, or showing any insect pest or disease or markings thereof, must not be shipped into Mississippi.

The term "nursery stock" covers palms and woody perennials, including budwood and scions.

Sweet potatoes and sweet potato plants are not considered as nursery stock, but a special potato permit is required. Shipments from areas known to be infested with the sweet potato weevil are prohibited.

The phony peach regulation prohibits the shipment into Mississippi of peach trees, peach roots, nectarine trees, nectarine roots or any tree or shrub budded or grafted on peach or nectarine roots unless accompanied by special peach permit issued by the duly authorized official of the state of origin.

In order to prevent the introduction into the state of Mississippi of the European corn borer, the movement into Mississippi of the usual host plants from the infested area is prohibited unless the plants are inspected by a duly authorized state or Federal inspector and certified to be free from the European corn borer.

Each agent representing a nursery is required to register with and obtain an agent's certificate from the Plant Board before selling, delivering, or taking orders for nursery stock in Mississippi. Stock shipped to nursery agents for delivery in Mississippi must be packed in individual packages, and each of these accompanied by a Mississippi permit.

Each permit has an invoice stub attached. On using a Mississippi permit, the nurseryman must mail the Plant Board, State College, Mississippi, the invoice stub from that permit showing the name and address of the consignee and an itemized list of plants in the shipment. Mutilated, spoiled, and unused permits must be returned to the Plant Board. All permits remaining on hand at the close of the season must be returned by September 1.

A circular explaining the requirements in more detail will be sent on request.

R. P. COLMER, Chief Inspector, State College, Miss.

Missouri. Outside nurseries must file necessary papers including certificate and apply for a permit certificate which will be issued on payment of a \$5.00 fee. All agents or salesmen must apply for agent's certificate. Each package of nursery stock entering the state must bear the names of both consignor and consignee, statement of contents, and a certificate showing that the stock therein contained has been inspected where grown by a duly authorized inspector and found to be apparently free from dangerously injurious insect pests and plant diseases. Transportation companies are not permitted to deliver nursery stock unless so labeled.

J. CARL DAWSON, Plant Officer, Jefferson City, Mo.

Montana. All nursery stock entering the state must be unpacked and inspected at one of the following designated quarantine stations: Billings, Butte, Miles City, Missoula, Glasgow, Glendive, Great Falls, Hamilton, Havre, and Kalispell. All shipments entering the state are subject to inspection with fees as follows: Licensed nurseries, car lots, \$10, smaller lots proportionate with minimum fee of 25 cents per package; unlicensed nurseries, 10 per cent of invoice price shipment with minimum of 50 cents per package. Notice of shipment including list of stock and names of transportation company, consignor and consignee must be sent to the Chief, Division of Horticulture, Missoula, Mont., five days before shipment.

Nurserymen are required to pay an annual fee of \$25 and file a bond of \$1,000 in favor of the state of Montana; this includes licenses for all Montana agents. Agents for unlicensed nurseries must pay an annual fee of \$25 and file bonds of \$1,000.

Quarantines prohibit the entrance of the common barberry, black currant, five-leaf pine, currant and gooseberry plants, and black locust.

GEORGE L. KNIGHT, Chief, Division of Horticulture, Missoula, Mont.

Nebraska. Non-resident nurserymen, dealers, or other persons wishing to ship nursery stock into Nebraska must file a duplicate certified copy of their original certificate with the State Department of Agriculture. If this certificate is approved by the Department of Agriculture, they will be issued a permit allowing them to ship nursery stock into this state during the period that such original certificate issued by the state in which they reside or are doing business, is in force. No fee is charged for the non-resident dealer's or nurserymen's permit. Each shipment of nursery stock coming into the state must be plainly and legibly marked in a conspicuous place with a statement showing: (a) The name and address of the consignor; (b) the name and address of the consignee; (c) the general nature of the contents; (d) the name of locality where grown; and (e) a certificate of inspection from the proper official of the state, territory, district or country from which it was shipped. All agents selling nursery stock or soliciting orders for nursery stock for any nurseryman or dealer located either within or without the state of Nebraska shall be required to secure and carry an agent's permit. The fee for this permit is \$1.00.

Any prohibited insect pest or plant disease, plant product or other substance or thing, brought into the state in violation of any regulation of the State Department of Agriculture or any Federal quarantine, shall at the expense of the owner be either destroyed, returned to the consignor, or otherwise disposed of as the Department of Agriculture may direct.

W. B. BANNING, Director; L. M. GATES, Entomologist, State Department of Agriculture and Inspection, Lincoln, Nebr.

Nevada. All nursery stock entering the state must bear on each car, bale, or package, a copy of a valid official inspection certificate, and names of consignor and consignee. Transportation companies shall not deliver nursery stock lacking such certificate.

Quarantine prohibits entry of any fruit trees, and fresh fruits and their boxes or containers, from any states infested by the Oriental fruit moth.

GEORGE G. SCHWEIS, Director, Division of Plant Industry, Box 1027, Reno, Nev.

New Hampshire. All nursery stock entering this state must bear on each container a copy of a valid inspection certificate.

Quarantines prohibit the entrance of currants or gooseberries into any part of the state, except an area in the northernmost part of the state, beginning with the towns of Stratford, Odell, Millsfield and Errol; require permit for importation of any five-leaf pines, and special certificate from state of origin, in accordance with Federal regulations; prohibit entry of plants susceptible to attack by the gypsy moth, the brown-tail moth, and the satin moth from infested regions into uninfested territory, except with proper certificate.

W. C. O'KANE, Deputy Commissioner of Agriculture, Durham, N. H.

New Jersey. Shipments into the state must be accompanied by a certificate of inspection of current date, or copy thereof, attached to each car or parcel, together with a statement from the shipper that the stock therein is a part of the stock inspected, and stating whether such stock has been fumigated with hydrocyanic acid gas. It shall be the duty of all carriers to refuse for transportation within the state all stock not accompanied by a certificate of inspection. All stock coming into the state may be detained for examination, wherever found, by the Chief of the Bureau of Plant Industry, and if found to be infested with any insects or plant diseases, injurious or liable to become so, will be destroyed.

It shall be the duty of every nurseryman, or other person who imports plant material of any kind from without the state, and every transportation company or other carrier for hire that brings plant material from without the state for delivery to any person, persons, firm, or corporation within the state, to notify the Chief of the Bureau of Plant Industry of such shipment prior to, or within 24 hours after, its arrival. Such notice shall state the kind, the quantity of plant material, the name and address of the shipper, the date of shipment, and if from a foreign country, the name of the country or district in which the shipment originated, the port of entry, and the approximate date of arrival at said port. If the Bureau Chief has any reason to suspect the presence of a dangerous pest, he may order the examination of every package of such material, in transit or at the point of delivery, and shall not authorize its acceptance or delivery until he is satisfied that no dangerous pest is present.

HARRY B. WEISS, Chief, Bureau of Plant Industry, State Department of Agriculture, Trenton, N. J.

New Mexico. Nurserymen in other states desiring to ship nursery stock into New Mexico must each file a copy of their certificate of inspection signed with pen by the proper official, with a filing fee of \$5.00, and secure a permit-certificate bearing the facsimile signature of the Deputy Inspector, which must accompany each shipment of nursery stock into the state. Tags may be purchased at the following prices:

50 tags.....	\$1.00	200 tags.....	\$2.00
100 tags.....	1.25	500 tags.....	4.25

The following quarantines affect the shipment of nursery stock: Quarantine No. 7, white pines and *Ribes*; Quarantine No. 8, nursery stock, farm products, and forage crops; Quarantine No. 9, plants susceptible to infestation by the European corn borer.

R. F. CRAWFORD, Plant Quarantine and Regulatory office, State College, N. M.

New York. Nursery stock cannot enter the state or be moved within the state unless a valid certificate is attached issued by the New York State Department of Agriculture and Markets, or by the state in which the shipment originated. Transportation companies and all persons bringing nursery stock into the state from other states, must send notice to the Department of Agriculture and Markets. Blanks will be furnished for such notices. An exact copy of the certificate must be attached to each package sent by mail. Stock received from abroad or from other states unaccompanied by a valid certificate of inspection must not be unpacked or distributed until after inspection or release by the Department of Agriculture and Markets.

Quarantines prohibit the entrance of five-leaf pine trees into the state except when such shipments comply with Federal Quarantine No. 63, also of Christmas trees and woody greens from New England except from those areas lightly or not infested by gypsy moth (Federal certificates must accompany shipments from the lightly infested area); of raspberry plants unless apparently free from mosaic diseases and so certified after two inspections and the removal of all diseased plants, as is practiced in New York State. Currants and gooseberries cannot be grown in certain pine-growing areas of the state and permits must be obtained to ship them into the state. Name and address of consignee must be given in application.

A. B. BUCHHOLZ, Director, Bureau of Plant Industry, Department of Agriculture and Markets, Albany, N. Y.

North Carolina. Nursery stock may enter the state only when shipments bear North Carolina official permit tags, which will be supplied at cost on request, and the filing of a duplicate inspection certificate.

Quarantines prohibit the entrance of five-leaf pines and *Ribes* except in accordance with Federal regulations.

R. W. LEIBY, Entomologist, State Department of Agriculture, Raleigh, N. C.

North Dakota. Shipments of nursery stock into the state must bear a certificate of inspection showing that the stock has been inspected and found free of injurious insects and plant diseases. Copy of said certificate must be filed with the office of the State Entomologist of the North Dakota Experiment Station, State College Station, Fargo, North Dakota. Raspberry plants coming from other states must be inspected and certified as being free from virus and other diseases.

DIRECTOR, North Dakota Experiment Station, State College Station, Fargo, N. D.

Ohio. Out-of-state nurserymen must file copies of their inspection certificates and obtain an Ohio certificate permitting them to solicit orders for nursery stock. Each dealer within or without the state shall obtain

annually a dealer's certificate, by furnishing an affidavit that he will buy and sell only inspected stock and will maintain with the Secretary of Agriculture a list of all sources from which he obtains nursery stock. Each affidavit shall be accompanied by a fee of \$5.00. Each agent soliciting orders for nursery stock shall file annually a statement that he will sell only inspected stock, and pay a fee of \$1.00. He shall carry an agent's certificate and a copy of the certificate held by his principal.

Each shipment entering the state shall be accompanied by a tag or poster giving an exact copy of the valid certificate of inspection. Altered certificates are prohibited.

WALTER J. MARION, Chief, Division of Plant Industry, Department of Agriculture, Columbus, Ohio.

Oklahoma. Nursery stock entering the state must bear on each package of shipment an inspection certificate. Nurserymen must each file a duplicate copy of their valid inspection certificate. A permit will be issued on payment of the fee of \$5.00, and a copy of this permit must be attached to all shipments entering the State of Oklahoma.

All dealers within or outside the state must attach to each package of each shipment a copy of the dealer's certificate issued to them by the Board of Agriculture.

R. E. MONTGOMERY, State Nursery Inspector, Oklahoma City, Okla.

Oregon. Shipments of nursery stock entering the state must be plainly marked with names and addresses of both consignor and consignee, name of state, territory where grown, and nature of contents. All shipments are inspected. Nurserymen's licenses are required ONLY of nurserymen who have agents or an office in said state. The fee is \$1.00 for each agent. A \$15.00 fee is required of dealers operating in this state, and if the gross sales are less than \$300 a year, a \$5.00 fee is necessary.

Quarantines prohibit entrance of hazel and filbert trees, all chestnut and chinquapin trees or cuttings or scions of said nut trees from eastern states. All species and varieties, including the flowering forms of peach, almond, nectarine, apricot, plum, cherry, choke-cherry, quince, pear, and apple trees or parts thereof from eastern states are prohibited. Grapevines may be admitted if certified that they were grown and shipped from sections free from Phylloxera. Raspberry, blackberry, loganberry or dewberry plants from eastern states prohibited.

All gladiolus corms brought into the state shall be treated at destination provided they do not carry a certificate showing that said corms have been treated with a formula approved by the department. All narcissus bulbs coming into the state must carry a certificate certifying that all of said bulbs were given the spring and fall inspection and found free from nematode and greater bulb fly or had received the required treatments for nematode and/or bulb fly.

FRANK MCKENNON, Chief, Division of Plant Industry, Department of Agriculture, Salem, Ore.

Pennsylvania. Each nurseryman from outside of the state must file with the Director of the Bureau of Plant Industry a duplicate copy of his valid inspection certificate, signed in person by the state inspection official in charge, and supply a statement giving the exact acreage of nursery stock he is growing, as well as the acreage being grown for him under

contract. Upon compliance with these regulations a certificate is issued that must be received before stock is shipped into the state. Dealers are granted certificates on application and receipt of a statement from each that he will buy stock only from nurseries holding valid certificates of inspection. Agents soliciting for the sale of nursery stock in the state must obtain and carry agent's duplicate certificates. All shipments of nursery stock entering the state will be rejected unless accompanied by certificates of inspection.

R. H. BELL, Director, Bureau of Plant Industry, Harrisburg, Pa.

Rhode Island. All stock entering the state must bear a valid official certificate of inspection, but is subject to further inspection and may be destroyed or returned to the consignor if found infested. Agents must obtain agent's licenses, on stating where they expect to purchase their stock.

Five-leaf pines and *Ribes* can be shipped into the state or planted in certain parts of the state only on permission. Planting of black currant and flowering currant is prohibited.

A. E. STENE, State Entomologist, State House, Providence, R. I.

South Carolina. Each package of nursery stock entering the state must bear a permit tag of the South Carolina State Crop Pest Commission, which may be obtained at cost by filing a duplicate certificate of inspection and fumigation.

Quarantines prohibit the entrance of five-leaf pines, currants, gooseberries and all host plants of the European corn borer except when shipped in conformity with Federal regulations. Citrus stock is allowed to enter only by special permit. Fumigation of host plants of San José scale is required.

Peach and nectarine trees and all other stock budded or grafted on peach or nectarine roots, will not be permitted to enter the state unless accompanied by a state certificate showing that (1) the stock was grown in a county in which no phony peach disease has been found, or (2) that the nursery and its environs within a mile have been inspected and no phony peach disease found, and (3) that each plant has been hand inspected after digging and found free of infestation by the peach borer.

SOUTH CAROLINA STATE CROP PEST COMMISSION, Clemson College, S. C.

South Dakota. Out-of-state dealers may obtain certificates permitting them to solicit and fill orders in the state, by filing with the Secretary of Agriculture a certified copy of their official inspection certificates and by paying a fee of \$10.00 each. All agents shall likewise obtain and carry agent's certificates bearing copies of the certificates held by their principals, and paying fees of \$1.00 each.

Quarantines prohibit the entrance of all five-leaf pines and *Ribes*, of all poplars and willows from areas infested by the satin moth, all host plants of the European corn borer, all species and genera of the family Ulmaceae from any area in which Dutch elm disease is found to exist.

C. A. RUSSELL, Secretary of Agriculture, Pierre, S. Dak.;

JAMES L. LOW, Nursery Inspector, Pierre, S. Dak.

Tennessee. Out-of-state nurseries must file duplicate inspection certificates and the following agreement regarding fumigation:

"We, the undersigned, agree to fumigate with hydrocyanic acid gas, according to the required strength, all nursery stock subject to attack from San José scale and other dangerous insect pests. We also agree to attach a fumigation tag to each and every shipment going into the State of Tennessee."

Every shipment must bear a valid inspection certificate and a fumigation tag, and failure to comply with these requirements subjects the stock to confiscation.

Nursery agents and dealers must file sworn statements on official Tennessee blanks, which will be supplied. Each agent operating in Tennessee, and each dealer or jobber, is required to secure a license.

Nurserymen selling trees under contract to prune and spray the same for a period of years are required to take out a bond of \$5,000 before selling trees under such special contract.

State quarantines prohibit the entrance of all varieties of barberry, except *Berberis thumbergii*. Other restrictions apply to the Japanese beetle, the European corn borer, gypsy moth, sweet potato weevil, pink boll-worm of cotton and Argentine ant. Peach and pecan seedlings are allowed entrance only by special permit for experimental purposes.

G. M. BENTLY, State Entomologist and Plant Pathologist, Knoxville, Tenn.

Texas. No nursery or floral stock can be shipped into Texas until a duplicate certificate of inspection issued by the state in which the stock was grown has first been filed with the Commissioner of Agriculture and a fee of \$5 paid to obtain a permit or license. Applications are to be made on forms which require a notice of all shipments, and applicants must agree to comply with all Texas regulations. Permits are issued annually and expire August 31 of each year.

Dealers are classed as nurserymen and are required to take out permits. Agents or dealers operating in Texas for nurserymen in other states must show credentials from firms that they represent. Greenhouses, greenhouse plants and cut flowers as well as nurseries are included for inspection under the Texas law.

Quarantine No. 71 regulates entry of plants susceptible to infestation by European corn borer.

For information as to other quarantines, communicate with,

J. M. DEL CURTO, Chief Entomologist, Department of Agriculture, Austin, Texas.

Utah. No person shall engage or continue in the business of selling within the state, or of importing into the state, any nursery stock without first having obtained a license. License fee \$10. All nurseries are inspected annually, and infested stock must be destroyed or otherwise treated as determined by the inspector. A certificate must be attached to each package, box, bale or car lot shipment. Nursery stock from other states must be held for inspection and release by Utah inspectors before distribution.

State quarantines prohibit the shipment of all fruit trees and their flowering varieties from the eastern and middle United States on account

of the Oriental fruit moth; all pecan, Japanese walnut and hickory trees from all states except California, on account of the pecan case bearer.

EARL HUTCHINS, Agricultural Inspector, State Board of Agriculture, Salt Lake City, Utah.

Vermont. All nursery stock entering the state must bear valid official inspection certificates and the names and post office addresses of both consignor and consignee.

Quarantines restrict the free movement of out-of-state shipments of uncertified raspberry plants on account of mosaic, leaf roll and rosette, hosts of the European corn borer, and all uninspected and non-nursery grown trees and forest products on account of the gypsy and brown-tail moths.

M. B. CUMMINGS, State Nursery Inspector, Burlington, Vt.

Virginia. Nursery stock shipped into Virginia must have attached to each package an official Virginia tag purchased from the State Entomologist. Tag prices forwarded upon request.

Registration is required annually; all registrations expire on August 31. Registration fee \$10.00 for principals; duplicates for each agent, \$1.00. Make checks payable to Treasurer, State of Virginia, and mail to State Entomologist. Duplicate nursery inspection certificate must be filed with application for registration.

Nursery stock under the Virginia regulations includes trees, shrubs and vines, bush fruits, grapevines whether cultivated, native or wild, buds, scions and cuttings from such plants. Roses and other woody plants that are greenhouse grown, but that are sold for outside planting, are considered nursery stock. Greenhouse plants, unless woody and field grown, are not included as nursery stock and inspection certificates are not required. The same is true of perennials and herbaceous plants.

Japanese beetle quarantine in effect, which is similar to Federal Quarantine.

European corn borer quarantine: Applies to Connecticut and several other states where this insect has become established and prohibits the shipment into Virginia of such materials as parts of the corn plant, broom corn, sorghum, etc. It also requires a special corn borer certificate on certain other crops such as celery, beans, beets, chrysanthemums, hollyhocks, cosmos, gladiolus, dahlias, etc. certifying to the effect that the materials have been inspected and found to be free from the European corn borer.

G. T. FRENCH, State Entomologist, Department of Agriculture and Immigration, Room 1112 State Office Bldg., Richmond, Va.

Washington. No person, firm or corporation shall sell, solicit sales, or distribute nursery stock except berry plants, without first obtaining a license to do so from the Director of Agriculture. The license fee is \$5.00 for nurserymen who grow all the stock they sell, \$15 for other nurserymen, dealers, brokers and landscape architects, and \$1.00 for agents, salesmen and solicitors. All licenses expire July 1. All nursery stock entering the state shall have contents, names and addresses of consignor and consignee, and name of state, territory, or country where the stock was grown,

plainly marked on each car, box, bale or package. The state is divided into eleven horticultural districts with an inspector-at-large in charge of each district. Notice must be sent to one of these inspectors of any shipments arriving without the proper license certificate or labels, and the said inspectors are authorized to inspect such shipments and charge such fees as may be fixed by the Director of Agriculture.

Quarantines prohibit the entrance of five-leaf pines, currants, gooseberries, chestnut, chinquapin, hazel, filbert, and carriers of the European corn borer, peach yellows, and Oriental fruit moth.

J. I. GRINER, Supervisor of Horticulture, Olympia, Wash.

West Virginia. Persons or concerns shall not ship nursery stock into this state unless such shipments have attached thereto tags furnished by the State Department of Agriculture to duly registered parties; the tags to be purchased at prices quoted to those interested. Plants, not commonly considered nursery stock, may be shipped into the state without restrictions.

To register, a person or concern must file a copy of the certificate of inspection of their nursery and pay a fee of \$20.00. The certificate of inspection of any state is accepted.

Registered persons or concerns are required to file the names of their agents or representatives operating in the state.

Transportation companies must report shipments of nursery stock violating these regulations.

One quarantine against territory in other states is operative at this time. This is Quarantine No. 4, Japanese Beetle Quarantine, the content of which follows the Federal quarantine against the interstate movement of this pest.

J. B. McLAUGHLIN, Commissioner of Agriculture, Charleston, W. Va.

Wisconsin. Each out-of-state nurseryman must file a valid certificate of inspection and obtain a state license before shipping stock into the state. Each car, or package, must bear certificate tags. Each agent selling nursery stock in the state must carry an agent's duplicate certificate bearing the same number and date as that of his principal. No fees are charged except for resident nurserymen.

Quarantines prohibit entrance of all five-leaf pines and all barberry bushes, except Japanese barberry, and host plants of European corn borer from infested areas; nursery stock from gypsy moth infested areas except under Federal certificate; cranberry plants; raspberry plants unless certified to a special inspection for virus diseases.

E. L. CHAMBERS, State Entomologist, Madison, Wis.

Wyoming. Each out-of-state nurseryman must file a valid certificate of inspection and deposit a fee of \$15 and receive a license valid until the following July 1. Authorized shipping tags are furnished at cost, and carriers are forbidden to deliver unless each shipment bears such a tag.

Quarantines prohibit entrance of all five-leaf pines, currants and gooseberries.

C. L. CORKINS, State Entomologist, State Department of Agriculture, Powell, Wyo.

OFFICERS IN CHARGE OF INSPECTION AND QUARANTINE SERVICE

Alabama.....	B. P. Livingston, Chief, Division of Plant Industry, Montgomery, Ala.
Arizona.....	D. C. George, State Entomologist, Phoenix, Ariz.
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California.....	A. C. Fleury, Chief Quarantine Officer, Sacramento, Cal.
Colorado.....	Bureau of Plant and Insect Control, State Museum, Denver, Colo.
Connecticut.....	W. E. Britton, State Entomologist, New Haven, Conn.
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Florida.....	Nursery Inspector, State Plant Board, Gainesville, Fla.
Georgia.....	M. S. Yeomans, State Entomologist, Atlanta, Ga.
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Illinois.....	H. F. Seifert, Chief Plant Inspector, Division of Plant Industry, Urbana, Ill.
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Kentucky.....	W. A. Price, State Entomologist, Lexington, Ky.
Louisiana.....	W. E. Anderson, State Entomologist, Baton Rouge, La.
Maine.....	Stanley L. Painter, State Horticulturist, Augusta, Me.
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Michigan.....	E. C. Mandenberg, In Charge of Orchard and Nursery Inspection, Department of Agriculture, Lansing, Mich.
Minnesota.....	A. G. Ruggles, State Entomologist, University Farm, St. Paul, Minn.
Mississippi.....	R. P. Colmer, Chief Inspector, State College, Miss.
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Montana.....	George L. Knight, Chief, Division of Horticulture, Missoula, Mont.
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New Hampshire.....	W. C. O'Kane, Deputy Commissioner of Agriculture, Durham, N. H.
New Jersey.....	Harry B. Weiss, Chief, Bureau of Plant Industry, State Department of Agriculture, Trenton, N. J.
New Mexico.....	R. F. Crawford, Plant Quarantine and Regulatory Office, State College, N. Mex.
New York.....	A. B. Buchholz, Director, Bureau of Plant Industry, Department of Agriculture and Markets, Albany, N. Y.
North Carolina.....	R. W. Leiby, Entomologist, State Department of Agriculture, Raleigh, N. C.

- North Dakota Director, Experiment Station, Agricultural College, Fargo, N. D.
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- Oregon Frank McKennon, Chief, Division of Plant Industry, Department of Agriculture, Salem, Ore.
- Pennsylvania R. H. Bell, Director, Bureau of Plant Industry, Harrisburg, Pa.
- Rhode Island A. E. Stene, State Entomologist, State House, Providence, R. I.
- South Carolina South Carolina State Crop Pest Commission, Clemson College, S. C.
- South Dakota C. A. Russell, Secretary of Agriculture, Pierre, S. D.; R. W. Vance, Nursery Inspector, Pierre, S. D.
- Tennessee G. M. Bentley, State Entomologist and Plant Pathologist, Knoxville, Tenn.
- Texas J. M. Del Curto, Chief Entomologist, Department of Agriculture, Austin, Texas.
- Utah Earl Hutchings, State Agricultural Inspector, State Board of Agriculture, Salt Lake City, Utah.
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- Washington J. I. Griner, Supervisor of Horticulture, Olympia, Wash.
- West Virginia J. B. McLaughlin, Commissioner of Agriculture, Charleston, W. Va.
- Wisconsin E. L. Chambers, State Entomologist, Madison, Wis.
- Wyoming C. L. Corkins, State Entomologist, State Department of Agriculture, Powell, Wyo.
- Federal Quarantines
and District of
Columbia Bureau of Plant Quarantine, U. S. Department of Agriculture, Washington, D. C.
- Dominion of
Canada L. S. McLaine, Secretary, Destructive Insect and Pest Act, Advisory Board, Department of Agriculture, Ottawa, Can.