

## Connecticut Agricultural Experiment Station

### New Haven

## THE JAPANESE BEETLE QUARANTINE

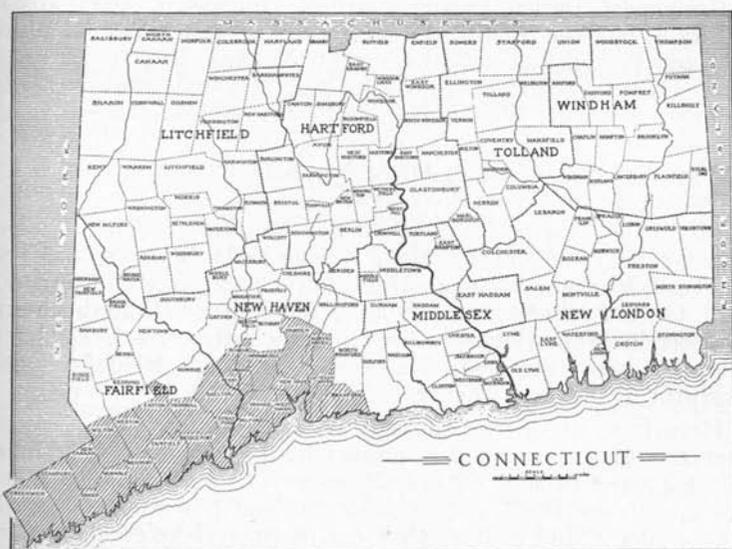


FIGURE 1. Map of Connecticut showing generally and lightly infested areas under State and Federal quarantine on account of the Japanese beetle. Shaded portion indicates generally infested area; unshaded portion, or remainder of the State, is the lightly infested area.

### QUARANTINE ORDER No. 27

The fact has been determined that the Japanese beetle, *Popillia japonica* Newman, has been found to occur in Connecticut outside of the areas restricted by Quarantine Order No. 20, effective April 1, 1929, and it is necessary to extend the quarantine restrictions and regulations in conformity with Federal Quarantine No. 48, revised and effective November 10, 1930.

Pursuant to the provisions of Section 2124, General Statutes, a public hearing was held in New Haven on November 25, 1930. The order herein given extends the quarantine restrictions and regulations over the entire State; that portion in Fairfield and New Haven Counties restricted by Quarantine Order No. 20, with Branford added, will constitute the generally infested area; the remainder of the State will constitute the lightly infested area.

Now, therefore, I, William L. Slate, Director of the Connecticut Agricultural Experiment Station, under authority conferred by Section 2124, General Statutes, do hereby proclaim the following towns to be under quarantine and to be known as the generally infested area:

Bridgeport, Darien, Easton, Fairfield, Greenwich, New Canaan, Norwalk, Shelton, Stamford, Stratford, Trumbull, Weston, Westport and Wilton in Fairfield County; Ansonia, Branford, Derby, East Haven, Hamden, Milford, New Haven, North Haven, Orange, Seymour, West Haven and Woodbridge in New Haven County.

Also that the following towns be under quarantine and to be known as the lightly infested area:

All towns in Hartford, Litchfield, Middlesex, New London, Tolland and Windham Counties; Beacon Falls, Bethany, Cheshire, Guilford, Madison, Meriden, Middlebury, Naugatuck, North Branford, Oxford, Prospect, Southbury, Wallingford, Waterbury and Wolcott in New Haven County; Bethel, Brookfield, Danbury, Monroe, New Fairfield, Newtown, Redding, Ridgefield and Sherman in Fairfield County.

Hereafter, under the authority of said Section 2124, General Statutes, (1) farm, garden, and orchard products of all kinds; (2) grain and forage crops of all kinds; (3) nursery, ornamental, and greenhouse stock, and other plants; and (4) sand, soil, earth, peat, compost, and manure shall not be shipped, offered for shipment to a common carrier, received for transportation or transported by a common carrier, or carried, transported, moved, or allowed to be moved from any of said towns or parts of towns into or through any other towns or parts of towns in manner or method or under conditions other than those prescribed in the rules and regulations hereinafter made and amendments thereto: *Provided*, That the restrictions of this quarantine and of the rules and regulations supplemental thereto may be limited to the areas in the towns or parts of towns now, or which may hereafter be, designated by the Director of the Connecticut Agricultural Experiment Station as regulated areas when, in the judgment of the Director of the Connecticut Agricultural Experiment Station, the enforcement of the aforesaid rules and regulations as to such regulated areas shall be adequate to prevent the spread of the Japanese beetle.

This Quarantine Order and appended regulations supersede all former orders and regulations concerning the Japanese beetle, and shall become effective on and after February 1, 1931.

WILLIAM L. SLATE,  
*Director.*

Approved:

WILBUR L. CROSS,  
*Governor.*

#### RULES AND REGULATIONS SUPPLEMENTAL TO NOTICE OF QUARANTINE No. 27

(Effective February 1, 1931)

##### Regulation 1. Definitions

For the purpose of these regulations the following words, names, and terms shall be construed, respectively, to mean:

1. **Japanese beetle.** The insect known as the Japanese beetle, *Popillia japonica* Newm., in any stage of development.
2. The terms "infested," "infestation," and the like, relate to infestation with the Japanese beetle.
3. **Quarantined area.** Any town or part of town quarantined by the Director of the Connecticut Agricultural Experiment Station, to prevent the spread of the Japanese beetle.
4. **Regulated area.** Any area under quarantine as designated by the Director of the Connecticut Agricultural Experiment Station in accordance with Section 2124, General Statutes.
5. **Farm products.** All farm products, namely, farm, garden, and orchard products of all kinds; grain and forage crops of all kinds.
6. **Nursery and ornamental stock.** Nursery, ornamental, and greenhouse stock and all other plants, plant roots, cut flowers, or other portions of plants for ornamental use.
7. **Sand, soil, earth, peat, compost, and manure.** Sand, soil, earth, peat, compost, and manure of any kind and as to either bulk movement or in connection with farm products or nursery and ornamental stock.
8. **Certified sand, soil, earth, peat, compost, and manure.** Sand, soil, earth, peat, compost, or manure determined by the inspector as uninfested and so certified.
9. **Certified greenhouse.** A greenhouse or similar establishment which has complied to the satisfaction of the inspector with the conditions imposed in Regulation 5. This term may apply also to potting beds, heeling-in areas, hotbeds, coldframes, or similar plots, or to storage houses, packing sheds, or stores treated or otherwise safeguarded in manner and method satisfactory to the inspector.

10. **Inspector.** An inspector of the Connecticut Agricultural Experiment Station or the United States Department of Agriculture, when duly authorized to act in this capacity.
11. **Moved or allowed to be moved intrastate.** Shipped, offered for shipment to a common carrier, received for transportation or transported by a common carrier, or carried, transported, moved or allowed to be moved from one town or part of a town into or through any other town or part of a town.

### Regulation 2. Limitation of Restrictions to Regulated Areas

The restrictions provided in these regulations on the intrastate movement of plants and plant products and other articles enumerated in said notice of quarantine will be limited to such movement from the areas in such towns or parts of towns now or hereafter designated by the Director of the Connecticut Agricultural Experiment Station.

### Regulation 3. Extension or Reduction of Regulated Areas

The regulated areas may be extended or reduced as may be found advisable by the Director of the Connecticut Agricultural Experiment Station. Due notice of any extension will be given in accordance with Section 2124, General Statutes.

### Regulation 4. Restrictions on the Movement of Farm Products

#### Section A. Control of Movement

1. No restrictions are placed on the intrastate movement of farm products from points in the lightly infested areas.
2. Farm products shall not be moved or allowed to be moved intrastate from any point in the generally infested areas to or through any point outside thereof unless a certificate shall have been issued therefor by an inspector, except as follows:
  - a. No restrictions are placed on the intrastate movement of farm products between October 16 and June 14, inclusive.
  - b. No restrictions are placed on the intrastate movement of the following products at any time of the year: Potatoes and sweet potatoes when free from soil, watermelons, dried fruits, dried vegetables, seeds, grains, mushrooms, onion sets, or broomcorn; nor on such movement of hay and straw packing when used with articles other than fruits and vegetables.
  - c. No certificate will be required for the intrastate movement of farm products on a through bill of lading from a lightly infested area through a generally infested area to another lightly infested area.

### Section B. Conditions of Certification

Certificates may be issued for the intrastate movement of farm products to points outside the generally infested area between June 15 and October 15, inclusive, under any one of the following conditions:

1. When the farm products have actually been inspected by an inspector and found free from infestation. The number of inspection points for such certification will be limited and their location determined by shipping needs and further conditioned on the establishment at such points of provisions satisfactory to the inspector for the handling and safeguarding of such shipments during inspection. Such inspection may be discontinued and certification withheld by the inspector during periods of general or unusual flight of the beetles.
2. When the farm products have been handled or treated under the supervision of an inspector in manner and by method to free them from any infestation.
3. When the farm products have originated outside of the generally infested area and are to be shipped directly from the freight yards or unloading docks, under provisions satisfactory to the inspector for the safeguarding of such shipments pending certification and reshipment. Certificates on this basis will be issued without inspection only for shipment from markets or transfer points which are not subject to infestation within such market or transfer point.
4. When the farm products were grown in districts where the fact has been established to the satisfaction of the inspector that no infestation exists and are to be shipped directly from the farms where grown to points outside the generally infested area.

### Regulation 5. Restrictions on the Movement of Nursery and Ornamental Stock

#### Section A. Control of Movement

Nursery and ornamental stock shall not be moved or allowed to be moved intrastate from the generally infested area to or through the lightly infested areas, nor from Class III or known infested premises located in the lightly infested area to other points in such area, unless a certificate or permit shall have been issued therefor by the inspector, except as follows:

1. True bulbs,<sup>1</sup> corms, and tubers when dormant, without fibrous roots, and free from soil, are exempt from the requirement of certification, except that this exemption does not apply to dahlias.
2. No restrictions are placed on the intrastate movement of nursery and ornamental stock imported from foreign countries when reshipped directly from the docks or freight yards of the port of entry in the original container and labeled as to each container with a copy certificate of the country from which it was exported,

<sup>1</sup>The interstate movement of narcissus bulbs is subject to the restrictions contained in the Rules and Regulations Supplemental to Notice of Federal Quarantine No. 62 (Narcissus Bulb Quarantine).

a statement of the general nature and quantity of the contents, the name and address of the consignee, and the country and locality where grown.

3. No restrictions are placed on the intrastate movement between October 16 and June 14, inclusive, of cut flowers, and of portions of plants without roots and free from soil (such as branches and twigs of trees and shrubs, scions, Christmas trees, holly, laurel, sphagnum moss, and fish grass).
4. No certificate or permit will be required for the intrastate movement of nursery and ornamental stock when transported by a common carrier on a through bill of lading either from a lightly infested area through a generally infested area to another lightly infested area, or from a generally infested through a lightly infested area to another generally infested area.

#### Section B. Conditions Governing the Issuance of Certificates and Permits

For the purpose of certification of nursery and ornamental stock, nurseries, greenhouses, and other premises concerned in the movement of such stock will be classified as follows:

1. Class I. Nurseries, greenhouses, and other premises concerned in the movement of nursery and ornamental stock in districts included in the regulated areas, but in which districts neither grubs in the soil nor beetles have been found, may be classified as Class I. Upon compliance with the requirements of sub-section 7 of this section, nursery and ornamental stock may be certified by the inspector for shipment from such premises without further inspection and without meeting the safeguards prescribed as a condition of intrastate shipment of plants originating in nurseries or greenhouses of Classes II and III.
2. Class II. Nurseries, greenhouses, and other premises concerned in the movement of nursery and ornamental stock in districts recently or scantily infested by the beetle, but in which nurseries or greenhouses no beetles have been found and in which it has not been possible to determine any soil invasion, may be classified as Class II. Upon compliance with the requirements of sub-sections 3 and 7 of this section, nursery and ornamental stock may be certified by the inspector for shipment from such premises upon determination that the stock concerned is free from infestation. Such determination may be made either (a) by complete removal of the soil from such stock; or (b) by inspection of the outside of the soil ball and removal and inspection of the upper four inches of the soil therefrom; or (c) in the case of plants which would be injured by such removal, by inspection and removal of the soil from not less than the equivalent of five per cent of the plants to be certified and by intensive examination of the soil in the block concerned; or (d) by evidence satisfactory to the inspector that the plants concerned were produced in a certified greenhouse.
3. Greenhouses of Class II may be certified upon compliance with the following conditions with respect to the greenhouses themselves and to all potting beds, heeling-in areas, hotbeds, coldframes, and similar plots:
  - a. Prior to introduction into nurseries or greenhouses, sand, soil, earth, peat, compost, or manure taken from areas in which Class II or III nurseries or greenhouses are located, or which may have been exposed to infestation, must be sterilized or

fumigated under the direction and supervision of, and in manner and by method satisfactory to, the inspector. If such treated sand, soil, earth, peat, compost, or manure is not to be immediately used in such greenhouses it must be protected from possible infestation in manner and by method satisfactory to the inspector.

- b. All potted plants placed in certified greenhouses of Class II and all potted plants to be certified for intrastate movement therefrom (i) shall be potted in certified soil, (ii) shall, if grown outdoors at any time between June 15 and October 15, inclusive, be kept in screened frames while outdoors, and shall be subject to a careful inspection of the soil from not less than 10 per cent of the plants so placed, (iii) shall, if grown outdoors during any part of the year, be placed in beds in which the soil has been treated in manner and by method approved by the Director of the Connecticut Agricultural Experiment Station to eliminate infestation, and (iv) shall comply with such other safeguards as may be required by the inspector.
4. Class III.
    - a. Nurseries, greenhouses, and other premises concerned in the movement of nursery and ornamental stock on which either grubs in the soil or beetles have been found will be classified as Class III. Such classification also may be given to nurseries, etc., in localities known to be generally infested, where beetles or grubs are found in the immediate proximity of such nurseries, etc., on adjacent property or properties. In the case of nursery properties under single ownership and management, but represented by parcels of land widely separated, such parcels may be independently classified either as Class II or Class III upon compliance with such conditions and safeguards as shall be required by the inspector. Similarly, unit nursery properties, which would otherwise fall in Class III, may be open to subdivision, for the purpose of rating such subdivisions in Classes II or III, when in the judgment of the inspector such action is warranted by recent and scanty infestation limited to a portion of the nursery concerned: *Provided*, That the subdivision containing the infestation shall be clearly marked by boundaries of a permanent nature which shall be approximately 500 feet beyond the point where the infestation occurs.
    - b. Upon compliance with sub-sections 5 and 7 of this section, nursery and ornamental stock may be certified by the inspector for shipment from such premises under any one of the following conditions: (i) That the roots shall be treated with carbon disulfide emulsion or by other approved means in manner and by method satisfactory to the inspector; or (ii) in the case of plants in which the root system is such that a thorough inspection may be made, that the soil shall be entirely removed from the stock by shaking or washing, or (iii) that it shall be shown by evidence satisfactory to the inspector that the plants concerned were produced in a certified greenhouse.
  5. Greenhouses of Class III may be certified upon compliance with all the following conditions with respect to the greenhouses themselves, and to all potting beds, heeling-in areas, hotbeds, coldframes and similar plots:
    - a. Ventilators, doors, and all other openings in greenhouses or coldframes on premises in Class III shall be kept screened

in manner satisfactory to the inspector during the period of flight of the beetles, namely, between June 15 and October 15, inclusive.

- b. Prior to introduction into nurseries or greenhouses, sand, soil, earth, peat, compost, or manure taken from areas in which Class II or Class III nurseries or greenhouses are located, or which may have been exposed to infestation, must be sterilized or fumigated under the direction and supervision of, and in manner and by method satisfactory to, the inspector. If such treated sand, soil, earth, peat, compost, or manure is not to be immediately used in such greenhouses it must be protected from possible infestation in manner and by method satisfactory to the inspector.
  - c. All potted plants placed in certified greenhouses of Class III and all potted plants to be certified for intrastate movement therefrom (i) shall be potted in certified soil, (ii) shall, if grown outdoors at any time between June 15 and October 15, inclusive, be kept in screened frames while outdoors, and shall be subject to a careful examination of the soil from not less than 10 per cent of the plants so placed, (iii) shall, if grown outdoors during any part of the year, be placed in beds in which the soil shall have been treated in manner and by method approved by the Director of the Connecticut Agricultural Experiment Station to eliminate infestation, and (iv) shall comply with such other safeguards as may be required by the inspector.
6. Cut flowers, and other parts of plants without roots or soil, may be certified for movement either (a) when they have been inspected by an inspector and found free from infestation, or (b) when they have been grown in a greenhouse of Class I or in a certified greenhouse of Class II or Class III and are transported under such safeguards as will in the judgment of the inspector prevent infestation. (See also section A 3 of this regulation.)
  7. Nurserymen, florists, dealers, and others, in order to maintain their classified status, (a) shall restrict their purchases or receipts of nursery and ornamental stock, sand, soil, earth, peat, compost, and manure within the regulated area to articles which have been certified under these regulations as to each such article and the said certificate shall accompany the article when moved; (b) shall obtain approval of the inspector before such articles are received on their premises or moved from the open on their own premises into certified greenhouses; and (c) shall report immediately on forms provided for that purpose all their sales or shipments of such articles both to points outside the regulated area and to other classified nurseries or greenhouses within the regulated area, as well as sales or shipments from the generally infested area to the lightly infested area. They shall also report immediately in writing all purchases or receipts of such articles secured from within the regulated area. Certification may be denied to any person who has omitted to make the report or reports required by this regulation; and such denial of certification shall continue until the information so omitted has been supplied.
  8. Nursery and ornamental stock imported from foreign countries and not reshipped directly from the docks or freight yards of the port of entry may be certified for movement under these regulations when such stock has been inspected by an inspector and found free from infestation.

9. Nursery and ornamental stock originating outside the regulated areas and certified stock originating in classified nurseries or greenhouses may be certified for reshipment from classified premises other than those on which they originated, under provisions satisfactory to the inspector for the safeguarding of such stock from infestation at the point of reshipment and en route and, when found advisable by the inspector, after reinspection and determination of freedom from infestation.
10. Permits may be issued for the intrastate movement of nursery and ornamental stock by truck or other road vehicle from a generally infested area through a lightly infested area to another generally infested area on condition that such vehicle have seals affixed by the inspector at the point of origin, which seals shall remain intact until examined by an inspector in the separate generally infested area to which the stock is transported.

## Regulation 6. Restrictions on the Movement of Sand, Soil, Earth, Peat, Compost, and Manure

### Section A. Control of Movement

Sand, soil, earth, peat, compost, and manure shall not be moved or allowed to be moved intrastate from the generally infested areas to or through the lightly infested areas, unless a certificate or permit shall have been issued therefor by the inspector, except as follows:

1. No restrictions are placed on the intrastate movement of sand for construction purposes from the lightly infested area.
2. No restrictions are placed on the intrastate movement of sand, soil, earth, peat, compost, and manure imported from foreign countries when reshipped by the importer directly from the docks, freight yards, or warehouses of the port of entry in the original container and labeled as to each container with the country of origin, and when the shipment is further protected in manner or method satisfactory to the inspector.
3. No certificate will be required for the intrastate movement of sand, soil, earth, peat, compost, and manure when transported by a common carrier on a through bill of lading, either from a lightly infested area through a generally infested area to another lightly infested area, or from a generally infested area through a lightly infested area to another generally infested area.

### Section B. Conditions of Certification

Certificates for the movement of sand, soil, earth, peat, compost, and manure may be issued under any one of the following conditions:

1. When the articles to be moved have originated in districts included in the regulated area, but in which neither beetles nor grubs in soil have been found.
2. When the material consists of fresh manure and it has been determined by an inspector that no infestation could exist therein.
3. When the material has been removed, under the supervision of an inspector, from a depth of more than 12 inches below the surface of the ground and either (a) is to be moved between October

16 and June 14, inclusive, or (b) is loaded and shipped at points where it has been determined by an inspector that no general infestation of adult beetles exists, or (c) when the cars and loading operations are protected by screening under the direction of and in manner and by method satisfactory to the inspector.

4. When the material has been fumigated with carbon disulfide or otherwise treated under the supervision of and in manner and by method satisfactory to the inspector. Such fumigation or treatment will be required as a condition of certification of all sand, soil, earth, peat, compost, and manure, except such as is loaded and shipped in compliance with paragraphs 1, 2, or 3 hereof.
5. Permits may be issued for the intrastate movement of sand, soil, earth, peat, compost, and manure, by truck or other road vehicle from a generally infested area through a lightly infested area to another generally infested area, on condition that such vehicle shall have seals affixed by the inspector at the point of origin, which seals shall remain intact until examined by an inspector in the separate generally infested area to which the stock is transported.

#### Regulation 7. Conditions Governing the Protection of Restricted Articles from Infestation While in Transit

Farm products, nursery and ornamental stock, and sand, soil, earth, peat, compost, and manure, moving intrastate from or through the generally infested areas to points outside thereof between June 15 and October 15, inclusive, shall at all times while they are in the generally infested areas be screened, covered, or otherwise protected in manner or method satisfactory to the inspector for safeguarding the articles from infestation.

Trucks or other road vehicles transporting restricted articles may be sealed by the inspector at the point of inspection and all such seals shall remain intact as long as the vehicle is en route within the generally infested area.

#### Regulation 8. Marking and Certification a Condition of Intrastate Transportation

Every car, vehicle, box, basket, or other container of the articles listed, the intrastate movement of which is restricted in regulations 4, 5 and 6, shall be plainly marked with the name and address of the consignor and the name and address of the consignee and shall have securely attached to the outside thereof a valid certificate or permit issued in compliance with these regulations.

The inspection certificate in the case of carload and other bulk shipments shall accompany the waybill, conductor's manifest, memorandum, or bill of lading pertaining to such shipment, or in the case of truck or other road vehicle the certificate shall accompany the vehicle, and in either case the certificate shall be surrendered to the consignee upon the delivery of the shipment.

#### Regulation 9. Conditions Governing Inspection and Issuance of Certificates

1. Persons intending to move or allow to be moved intrastate any of the articles the movement of which is restricted in regulations 4, 5, and 6 shall make application for inspection and certification as far as possible in advance of the probable date of shipment, specifying in the application the article and quantity to be shipped, method of shipment, name and address of the consignor, and name and address of the consignee.
2. Applicants for inspection will be required to assemble the articles at such points as the inspector shall designate and so to place them that inspection may readily be made; if not so placed, inspection may be refused. All charges for storage, cartage, and labor incident to inspection, other than the services of the inspector, shall be paid by the shipper.
3. Certificates and permits shall be used in connection with the transportation of only those articles intended to be covered thereby.
4. Where the apparent absolute freedom from infestation of any of the articles enumerated can not be determined by the inspector, certification will be refused.

#### Regulation 10. Cancellation of Certificates

Certificates issued under these regulations may be withdrawn or cancelled by the inspector and further certification refused, either for any failure of compliance with the conditions of these regulations or violation of them, or whenever in the judgment of the inspector the further use of such certificates might result in the dissemination of infestation.

#### Regulation 11. Inspection in Transit

Any car, vehicle, basket, box, or other container moved intrastate or offered to a common carrier for shipment intrastate, which contains or which the inspector has probable cause to believe contains articles the movement of which is prohibited or restricted by these regulations shall be subject to inspection by an inspector at any time or place.

#### Regulation 12. Thorough Cleaning Required of Trucks, Wagons, Cars, Boats, and Other Vehicles Before Moving Intrastate

Trucks, wagons, cars, boats, and other vehicles which have been used in transporting any article covered by these regulations within the regulated areas shall not thereafter be moved or allowed to be moved intrastate until they have been thoroughly swept and cleaned by the carrier at the point of unloading or destination.

**Regulation 13. Shipments by the Connecticut Agricultural  
Experiment Station or the United States Department  
of Agriculture**

Articles subject to restriction in these regulations may be moved intrastate by the Connecticut Agricultural Experiment Station or the United States Department of Agriculture for experimental or scientific purposes, on such conditions and under such safeguards as may be prescribed by the Connecticut Agricultural Experiment Station or the Federal Plant Quarantine and Control Administration. The container of articles so moved shall bear, securely attached to the outside thereof, an identifying tag from the Connecticut Agricultural Experiment Station or the Federal Plant Quarantine and Control Administration showing compliance with such conditions.

WILLIAM L. SLATE,

*Director.*

Approved:

WILBUR L. CROSS,

*Governor.*