

3280. JAPANESE BEETLE

State Exterior Quarantine

A quarantine is established against the following pest, its hosts, and possible carriers:

A. Pest. Japanese beetle, *Popillia japonica*, a beetle, in the family Scarabaeidae, which in the larval stage attacks the roots of many plants and, as an adult will attack the leaves, flowers, and fruits of many plants.

B. Definitions

(1) "Bill of Lading" is defined as a document issued by a shipper or their agent to acknowledge receipt of cargo for shipment.

(2) "California State Plant Quarantine Officer" is defined for the purpose of this regulation, as a state or county staff person authorized by the Secretary to:

- a) Certify the pest condition or pest treatment of shipments
- b) Enforce the laws and regulations relating to the Japanese beetle quarantine in title 3 California Code of Regulations Section 3280.

(3) "Category 1 state" is defined as a state where Japanese beetle is not known to be established based on official survey, where the state has officially adopted and maintained a quarantine to prevent entry of Japanese beetle, and where the state has an active eradication program in place for any incipient populations. California is a category 1 state under the U.S. Domestic Japanese Beetle Harmonization Plan as adopted by the National Plant Board.

(4) "Conveyance" is defined as a thing, including, but not limited to, an aircraft, ship, or truck, used to transport someone or something from one place to another and that is subject to inspection.

(5) "Dead Japanese beetle" is a Japanese beetle adult that has no capacity for movement or response to stimuli. The beetle may have the appendages tucked beneath the body, sometimes with the legs completely curled underneath the body. A dead adult beetle may be dry and brittle and have appendages fixed in a rigid position. A recently dead adult beetle may still possess flexible, pliant appendages that can be readily moved by the observer.

(6) "Inspecting officer" is defined as the federal, state, or county staff person conducting an inspection.

(7) "Inspection" is defined as an in-person examination of a conveyance, shipment, object, or property to determine if a pest or plant disease is present.

(8) "Live Japanese beetle" is defined as a Japanese beetle adult that is alert, active, and responsive to external stimuli. Live adult beetles have the capacity for coordinated movement at ambient temperatures equal to or exceeding 70° F. Coordinated movements may consist of any of the following: walking at least one body length, responding to touch or other external physical stimuli,

attempting to escape grasp or capture via powered flight or leg/body movements, turning over (righting itself) from back to front if placed upside down, and exhibiting feeding behaviors. Live adult beetles typically exhibit a posture consisting of fully extended legs and antennae.

(9) "Moribund Japanese beetle" is a Japanese beetle adult that is in the process of dying with no chance of recovery. These beetles may exhibit body or appendage movement, but they are uncoordinated and not necessarily in response to any external stimuli. In some instances, the body and/or appendages may be visibly twitching. Moribund beetles, if already on their back, are not capable of turning over (righting itself). Coordinated activities such as feeding, sustained walking, and powered flight are not possible.

(10) "Owner" is defined as a person to whom something belongs, whether an object, property, or organization.

(11) "Person" is defined as any individual, partnership, association, corporation, limited liability company, or any organized group of persons whether incorporated or not.

(12) "Shipper" is any person who engages in the operation of selling, marketing, handling, or distributing on behalf of a producer, whether as owner, agent, employee, broker, or otherwise.

(13) "Transporter" is defined as a person or thing that moves something from one property to another, within or into the state.

C. Area Under Quarantine.

1. The entire states of Alabama, Arkansas, Colorado, Connecticut, Delaware, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Nebraska, New Hampshire, New Jersey, New York, North Carolina, North Dakota, Ohio, Oklahoma, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Vermont, Virginia, West Virginia, Wisconsin, and the District of Columbia.

2. In Canada: the entire provinces of New Brunswick, Nova Scotia, Ontario, Prince Edward Island, and Quebec.

D. Articles and Commodities Covered. The following are hereby declared to be hosts and possible carriers of the pest quarantined against:

1. Soil (except when commercially packaged). For the purpose of this section, soil shall mean all growing media;
2. Humus, compost and manure (except when commercially packaged);
3. All plants with roots (except bareroot plants free from soil). "Free from soil" as used in this regulation shall mean free from soil in amounts that could contain concealed Japanese beetle larvae or pupae;
4. Grass sod;
5. Plant crowns or roots for propagation (except when free from soil);

6. Bulbs, corms, tubers, and rhizomes of ornamental plants (except when free from soil);

7. Any other plant, plant part, article, or conveyance when it is determined by a California State Plant Quarantine Officer to present a hazard of spreading live Japanese beetle due to infestation of exposure to infestation by Japanese beetle.

E. Restrictions.

All articles and commodities covered are prohibited entry into California from the area under quarantine with the following exceptions:

1. Certificate of Treatment. All of the articles and commodities covered **except grass sod** are approved for entry into California when accompanied by a certificate issued by an authorized state agricultural official **at origin declaring** that the article or shipment was treated for Japanese beetle prior to shipment in accordance with methods and [procedures approved and prescribed by the Secretary](#).

All treatments shall be performed under direct supervision of an authorized state agricultural official or by the shipper under compliance agreement with the authorized state agricultural official to perform the treatments. The authorized state agricultural official shall monitor all treatments and procedures performed under a compliance agreement.

The phytosanitary certificate shall bear the following Additional Declaration (AD):

"The rooted plants were treated to control *Popillia japonica* according to the criteria for shipment to category 1 states as provided in the U.S. Domestic Japanese Beetle Harmonization Plan."

2. Certificate of Origin. Commercial plant shipments with soil may be shipped from the area under quarantine into California provided such shipments are accompanied by a certificate issued by an authorized state agricultural official at origin. **Grass sod is not eligible for this authorization.** Such certificates shall be issued only if the shipment conforms fully with either (a), (b), (c), (d), or (e) below:

a. Production in an Approved Japanese Beetle-Free Greenhouse/Screenhouse. All the following criteria apply:

1. All growing media shall be sterilized, except for commercially processed or prepared (soiless) growing material.
2. All stock shall be free of soil (bareroot) before planting into the approved medium.
3. The potted plants shall be maintained within the greenhouse/screenhouse during the entire adult flight period.
4. During the adult flight period, **June through September**, the greenhouse/screenhouse shall be made secure so that adult Japanese beetle cannot gain entry. Security will be documented by the authorized agricultural official.
5. No Japanese beetle-contaminated material shall be allowed into the secured area at any time.
6. The greenhouse/screenhouse shall be inspected

by the **inspecting officers** and shall be approved as a secure area. They shall be inspected by the same **inspecting officers** for the presence of all life stages of the Japanese beetle.

7. The plants and their growing medium shall be appropriately protected from subsequent infestation while being stored, packed and shipped.
8. Certified greenhouse/screenhouse nursery stock shall not be transported into or through any infested areas unless the shipment integrity is preserved **and documented**, and adequate safeguards are applied to prevent possible infestation.
9. Shipments from each greenhouse/screenhouse operation approved by the **inspecting officer** as having met and maintained the above criteria, shall be issued a phytosanitary certificate bearing the following additional declaration (AD):

"The rooted plants (or crowns) were produced in a **California Department of Food and Agriculture approved Japanese beetle-free greenhouse or screenhouse.**"

b. Plants Produced Outside Regulated Area. The plants were not produced in the regulated area, were transported into the regulated area in a closed conveyance or closed containers and at all times thereafter were protected from becoming infested with Japanese beetle.

c. Origin County Free Survey. States or portions of states listed in the area under quarantine may have counties that are not infested with Japanese beetle. Shipments of articles and commodities covered will be accepted from these non-infested counties if annual surveys are made in such counties and the results of such surveys are negative for Japanese beetle. A list of counties so approved will be maintained by the Secretary. The agricultural officials of other states may recommend a non-infested county be placed on the approved county list by **written request to the Secretary** for such approval and stating how the surveys were made giving the following information:

1. Area surveyed, **and date survey was performed.**
2. **Survey method.**
3. **Personnel involved in survey.**
4. If the county was previously infested, date of last infestation.

The recommendation for approval of such counties **shall** be evaluated by the Pest Exclusion Branch, **Plant Health and Pest Prevention Services Division**, California Department of Food and Agriculture.

If **live Japanese beetle has been detected** in neighboring counties, approval **shall** be denied. To be maintained on the approved list, each county must be reapproved every twelve (12) months. Shipments of articles and commodities covered from non-infested counties **shall** only be allowed entry into California if the non-infested county has been placed on the approved list prior to the arrival of the shipment in California.

d. Nursery Free Survey. Growing operations certified under this approach shall grow all their own stock or shall receive nursery stock to introduce into the operation which has been certified free of Japanese beetle by an authorized agricultural official.

Detection Survey: The nursery site and a minimum one-mile radius buffer area shall be trapped on an annual basis by an authorized agricultural official. The growing operation shall be trapped at the following trap density:

1. For sites less than 5 acres in size, 3 traps are used per site.
2. For sites 5 to 30 acres in size, **a minimum of three traps are used, with 1 additional trap added for every 5 acres over 15 acres.**
3. For sites **31** to 160 acres in size, **a minimum of 6 traps are used, with 1 additional trap added for every 10 acres over 60 acres.**
4. For sites greater than 160 acres in size, **a minimum of 16 traps are used, with 1 additional trap added for every 12 acres over 200 acres.**

Traps shall be evenly spaced throughout the trapping areas. In addition, the surrounding one mile buffer area shall be trapped at a minimum of 2 traps placed per square mile.

Traps shall be baited with a lure consisting of a Japanese beetle food lure (for example: phenyl-ethyl propionate: eugenol: geraniol [3:7:3 ratio]) in addition to a male sex pheromone. Traps shall be renewed as often as necessary to maintain trapping efficacy.

The detection of a female (or any beetle **if identification of sex** is not performed) Japanese beetle on the nursery site shall result in that nursery being considered infested until a delimitation survey has been completed and regulated articles and commodities cannot be certified based upon an origin free from Japanese beetle.

The detection of a Japanese beetle in the buffer area shall trigger a delimitation survey and the nursery may continue to ship until there is a second detection in the same season as the original detection.

Delimitation Survey: Delimitation traps shall be placed over a 49 square-mile area. Trap density in the core square mile shall be increased to 50 traps. Trap densities in the remainder of the delimitation area shall be decreased from the core outward within 48 hours of the find to complete a 50-25-5-5 **trap** array. Trap densities in the core square mile shall be increased to protocol levels within 24 hours, while trap placement in the remainder of the delimitation area shall be completed from the core outward within 48 hours of the find. Traps in the core mile shall be serviced daily for the first week, and all others serviced at least once within the first week. After one week of negative finds, **all** trap inspection frequencies shall change to weekly.

Delimitation trapping shall then continue for the remainder of the season. Trap densities revert to origin survey levels after two seasons of negative finds (includes the find season).

The phytosanitary certificate shall bear the following Additional Declaration (AD):

"The plants were produced in a nursery which was found to be free of Japanese beetle (*Popillia japonica*) based on negative detection trapping."

e. Production During a Pest-Free Window. The entire rooted plant production cycle (planting, growth, harvest, and shipment) will be completed within a pest-free window outside the adult Japanese beetle flight period, June through September, in Japanese beetle-free commercial growing medium or sterilized field soil. The accompanying phytosanitary certificate shall bear the following Additional Declaration (AD):

"These plants were produced outside the Japanese beetle flight season in Japanese beetle-free growing medium or sterilized field soil."

3. Privately owned houseplants grown indoors may be inspected and passed by California State Plant Quarantine Officers if found free from Japanese beetle.

F. Inspections for Compliance

The secretary, commissioner or a designated inspecting officer may inspect any conveyance that is infested or infected by, or which might act as a carrier, of Japanese beetle or any conveyance that originates from an infested area. Inspection shall consist primarily of visual observation of conveyance surfaces for Japanese beetle specimens as well as any other objects that may harbor Japanese beetles.

(1) If, upon or during inspection of any conveyance, a live Japanese beetle is found, the secretary or the commissioner may order the reclosure of any conveyance that is capable of disseminating or carrying the pest. Any aircraft may be moved from the area of inspection, including withdrawal from the state, as directed by airport personnel, pending abatement. For ground vehicles, the inspector shall determine the location the vehicle is to be held if the shipper or their representative chooses abatement rather than withdrawal from the state. The shipper, as identified on the bill of lading, shall be immediately notified of any hold.

(2) The shipper of the conveyance shall, at their expense, have the conveyance in which the Japanese beetle or beetles have been located rendered free of living Japanese beetles, as determined by subsequent reinspection for any living Japanese beetle.

(3) Any article that is part of the shipment or conveyance that may have come in contact with the Japanese Beetle, if such article is capable of conveying infestation as determined by the inspecting officer, shall not be moved from the conveyance as determined by the inspecting officer until after the infestation is removed, except for the purpose of destruction or disinfection. If the inspecting officer determines that the conveyance may be moved for the purpose of insect removal, destruction, disinfection, or further inspection, then the conveyance shall be secured against the escape of Japanese beetle before being moved following the closure of all means of insect egress. This includes closing doors or any other entryway to areas within the conveyance where Japanese beetle have been found and any egress on the conveyance.

(4) Reinspection may occur once the shipper or their agent determines that the quarantine violation has been abated, or, if treatment occurs, once it is safe to reenter the aircraft. Once the inspecting officer determines that the conveyance

is free of living Japanese beetles, the hold notice over the shipment or conveyance shall be removed. If the Japanese beetle infestation is still active upon reinspection, then withdrawal or further abatement and subsequent inspection shall be required before the hold is removed.

(5) Any conveyance in which a living Japanese beetle is detected is in violation of Section 6461. The secretary or the commissioner may assess a fine on the shipper of not more than two thousand five hundred dollars (\$2,500) for each violation. A violation is defined as the finding of a single living Japanese beetle.

(6) If a single shipment or conveyance is found to contain multiple living Japanese beetles, the fine shall be levied for each Japanese beetle found.

(7) Appeals. Before a civil penalty is levied, the person charged with the violation shall receive notice of the nature of the violation and shall be given an opportunity to be heard. This shall include the opportunity to review the evidence and the opportunity to present evidence on his or her own behalf.

(A) The person against whom a civil penalty is levied by a commissioner may appeal to the secretary within 10 days of the date of receiving notification of the penalty, as follows:

1. The appeal shall be in writing and signed by the appellant or their authorized agent and shall state the grounds for the appeal.

2. Any party, at the time of filing the appeal or within 10 days thereafter, may present written evidence and a written argument to the secretary.

3. The secretary may grant oral arguments upon application made at the time written arguments are filed.

4. If an application to present an oral argument is granted, written notice of the time and place for the oral argument shall be given at least 10 days prior to the date set therefor. This time requirement may be altered by an agreement between the secretary and appellant.

5. Based on any oral or written arguments, briefs, and evidence that he or she has received in the written appeal and oral arguments, the secretary shall, within 10 days after the filing of the appeal, decide the appeal. The Secretary's findings shall be based on clear and convincing evidence.

6. The secretary shall render a written decision within 45 days of the date the appeal is received by the Department or within 15 days of the date of oral arguments.

7. On an appeal pursuant to this section, the secretary may sustain, modify by reducing the amount of the penalty levied, or reverse the decision. A copy of the secretary's decision shall be delivered or mailed to the appellant and the commissioner who levied the penalty.

(B) A review of the decision of the secretary to impose a penalty may be sought by the person against whom the penalty was levied within 30 days of the date of the decision pursuant to Section 1094.5 of the Code of Civil Procedure.

(C) Any funds recovered by the commissioner pursuant to this section shall be deposited in the county general fund in the county in which the action is brought and shall be allocated to the commissioner to cover costs related to the enforcement of this division. Any funds recovered by the

secretary pursuant to this section shall be deposited in the Department of Food and Agriculture Fund to cover costs related to the enforcement of this division.

ORIGIN COUNTY FREE LIST APPROVED BY THE SECRETARY

APPENDIX A

The following counties have been determined to be non-infested with Japanese beetle by annual surveys:

Morgan County, CO. Expiration 11-15-2016