

FOR INFORMATION AND ACTION
DA-2011-14
March 23, 2011

SUBJECT: APHIS Revises Federal Order for Sweet Orange Scab (*Elsinoë australis*)

TO: STATE AND TERRITORY AGRICULTURAL REGULATORY OFFICIALS

Effectively immediately, the Animal and Plant Health Inspection Service (APHIS) revised the Federal Order for sweet orange scab (SOS) to add the entire States of Florida and Arizona to the list of quarantine areas. The revised Order also adds conditions to allow the movement of regulated fruit from the quarantine areas. The Federal Order, as well as the APHIS-Approved Packinghouse Procedures for *Elsinoë australis*, and APHIS-Approved Fungicides for *Elsinoë australis* for Use in Plant Nurseries are attached for your reference.

On July 23, 2010, the APHIS Molecular Diagnostics Laboratory (MDL) confirmed the first U.S. detection of the fungal pathogen *Elsinoë australis*, causal agent of SOS, in Texas. SOS was detected and confirmed in Louisiana and Mississippi in August 2010 and October 2010, respectively. On December 22, 2010, a Federal Order was issued to establish SOS quarantine areas for the entire States of Louisiana, Mississippi, and Texas.

On December 23, 2010, MDL confirmed SOS from a grapefruit tree in a campground in Polk County and from a bitter orange tree at a residence in Broward County. On January 10, 2011, MDL confirmed SOS from a residential tangerine tree from Sarasota County, Florida. One infected tree was removed and Federal Emergency Action Notifications were issued to the remaining property owners to prevent movement of potentially infested plant material. Subsequent surveys have positively detected SOS in the following Florida Counties: Charlotte, Hillsborough, Indian River, Manatee, Orange, Palm Beach, and Pinellas.

MDL also confirmed SOS on fruit collected from a tangerine grove in Maricopa County, Arizona on January 10, 2011, and from a lemon sample from Yuma County, Arizona on February 23, 2011. Delimitation surveys were conducted in citrus-producing regions of Arizona and EANs were issued to positive establishments. To date, SOS has been detected in Maricopa and Yuma Counties in Arizona.

For additional information, you may contact Leon Bunce, Eastern Regional Program Manager, at (919) 855-7360 or Deborah McPartlan, National Program Manager, at (301) 734-5356.

/s/ **Rebecca A. Bech**

Rebecca A. Bech
Deputy Administrator
Plant Protection and Quarantine

3 Attachments:

- Federal Order
- APHIS-Approved Packinghouse Procedures for *Elsinoë australis*, Causal Agent of SOS
- APHIS-Approved Fungicides for *Elsinoë australis* for Use in Plant Nurseries

FEDERAL QUARANTINE ORDER

Elsinoë australis Bitanc. & Jenkins Causal Agent of Sweet Orange Scab (SOS)

DA-2011-14
March 23, 2011

The purpose of this Federal Order is to prevent the spread of the fungal plant pathogen, *Elsinoë australis* Bitanc. & Jenkins, the causal agent of Sweet Orange Scab (SOS), through regulatory authority provided by Section 412(a) of the Plant Protection Act of June 20, 2000, as amended, 7 U.S.C. 7712(a), which authorizes the Secretary of Agriculture to prohibit or restrict the movement in interstate commerce of any plant, plant part, or article if the Secretary determines that the restriction is necessary to prevent the dissemination of a plant pest within the United States.

The Administrator of the Animal and Plant Health Inspection Service (APHIS) considers it necessary, in order to prevent the dissemination of SOS, to establish restrictions on the interstate movement of certain regulated articles from the States of Arizona, Florida, Louisiana, Mississippi, and Texas as described in this Federal Order.

APHIS has applied similar mitigation measures to Mexico and will apply such measures to the importation of regulated articles from other countries where SOS is confirmed to exist.

A. Quarantine Areas:

The Administrator will list as a quarantine area each state, or each portion of a state, in which SOS has been confirmed by an inspector to be present, in which the Administrator has reason to believe that SOS is present, or that the Administrator considers necessary to quarantine because of its inseparability for quarantine enforcement purposes from localities in which SOS has been found.

Less than an entire state will be designated as a quarantine area only if the Administrator determines that:

1. The state has adopted and is enforcing restrictions on the intrastate movement of the regulated articles that are substantially the same as those imposed by the Administrator on the interstate movement of regulated articles; and
2. The designation of less than the entire state as a quarantine area will be sufficient to prevent interstate spread of SOS.

The Administrator or an inspector may temporarily designate any non-quarantine area as a quarantine area. The Administrator will give a copy of this Order along with a written notice for the temporary designation to the owner or person in possession of the non-quarantine area. Thereafter, the interstate movement of any regulated article from an area temporarily designated as a quarantine area will be subject to this Order. As soon as practicable, this area will be added to the list of quarantine areas or the designation will be terminated by the Administrator or an inspector. The owner or person in possession of an area for which designation is terminated will be given notice of the termination as soon as practicable.

The following areas are designated as quarantine areas:

1. Entire State of Louisiana
2. Entire State of Mississippi
3. Entire State of Texas
4. Entire State of Florida
5. Entire State of Arizona

B. Regulated Articles:

The following are regulated articles, and may not be moved interstate from a quarantine area unless accompanied by a certificate or limited permit issued in accordance with this Order:

1. Fruit of *Citrus spp.* and *Fortunella spp.*
2. All plants and plant parts (except seeds), including leaves for consumption, budwood, and nursery stock of *Citrus spp.* and *Fortunella spp.*
3. Other articles intended for consumption, as apparel or as a similar personal accessory, or decorative use made from *Citrus spp.* and *Fortunella spp.*
4. Any other products, articles, or means of conveyance of any character whatsoever, when it is determined by an inspector that they present a hazard of spread of SOS and the person in possession thereof has been provided notice.

C. Conditions for Interstate Movement of Regulated Articles:

1. Regulated articles may move from one state in the SOS quarantine area to another contiguous State in the quarantine area without further restriction.
2. Regulated fruit from SOS quarantine areas may move interstate under certificate to all states under the following conditions:
 - a. Fruit must be washed, brushed, disinfested, treated, and waxed prior to shipment, using an APHIS-approved packing house procedure located on the APHIS website: http://www.aphis.usda.gov/plant_health/plant_pest_info/citrus/sweet_orange.shtml; and
 - i. Fruit must be practically free of leaves, stems, or other regulated plant material; and
 - ii. Fruit must be packed in a packing house operating under a signed compliance agreement with APHIS; and
 - iii. The certificate must be present on both paperwork accompanying the shipment and on the containers in which the fruit is packed;

or

 - b. Fruit must be washed, brushed, and disinfested prior to shipment using an APHIS-approved packing house procedure, located on the APHIS website: http://www.aphis.usda.gov/plant_health/plant_pest_info/citrus/sweet_orange.shtml; and
 - i. Fruit has been inspected and determined to be asymptomatic based on visual inspection by an inspector at the packing house; and
 - ii. Fruit must be practically free of leaves, stems, or other regulated plant material; and
 - iii. Fruit must be packed in a packing house operating under a signed compliance agreement with APHIS; and

- iv. The certificate must be present on both paperwork accompanying the shipment and on the containers in which the fruit is packed.
3. Regulated fruit from SOS quarantine areas may move interstate under limited permit to noncommercial citrus-producing States under the following conditions:
 - a. Fruit must be washed, brushed, and disinfested at the packing house, prior to shipment using APHIS-approved packing house procedure, which can be found on the APHIS website:
http://www.aphis.usda.gov/plant_health/plant_pest_info/citrus/sweet_orange.shtml; and
 - b. Fruit must be practically free of leaves, stems or other regulated plant material; and
 - c. Fruit must be packed in a packing house operating under a signed compliance agreement with APHIS; and
 - d. The limited permit must be present on both paperwork accompanying the shipment and on the containers in which the fruit is packed.
4. Regulated fruit from SOS quarantine areas that are destined for processing in a commercial citrus-producing state outside the SOS quarantine area may move under limited permit if it meets the following conditions:
 - a. Fruit must be washed, brushed, and disinfested at the packing house, prior to shipment using APHIS-approved packing house procedure, which can be found on the APHIS website:
http://www.aphis.usda.gov/plant_health/plant_pest_info/citrus/sweet_orange.shtml; and
 - b. Fruit must be practically free of leaves, stems or other regulated plant material;
 - c. The limited permit must be present on both paperwork accompanying the shipment and on the containers in which the fruit is packed;
 - d. The processor/packing house in the originating state and the processor in the receiving State must be operating under a signed compliance agreement with APHIS;
 - e. Processors/packing houses in the originating state must operate under a Compliance Agreement that stipulates the following:
 - i. Any fruit that is moved from the quarantine area must be transported in vehicles that meet the following conditions:
 - (1) Must have solid wall construction on the sides and rear of the cargo area need only be covered with a tarpaulin or otherwise covered on the open top, providing that openings around any tailgates or hinged door do not exceed ½ inch.
 - (2) If with side and rear wall construction of wire mesh screen or expanded metal less than or equal to ¾ x 1-11/16 inch must have the open top of the cargo area covered.
 - (3) If they have screen mesh openings greater than ¾ x 1-11/16 inch must have the cargo area covered completely (to the bed of the vehicle). In addition, if mesh size is greater than ¾ x 1-11/16 inch, all reductions in mesh size must be done from within the cargo area (e.g., adding steel, fabric or hardware cloth lining).
 - ii. Vehicles transporting pallet boxes, field boxes, field bins, etc., must have the cargo area covered with a tarpaulin or otherwise covered in a manner that does not allow any openings greater than ½ inch exposing the fruit. In most cases, this cover will have to extend to below the top of the bottom row of boxes. However, if the pallet boxes or field boxes are stacked in a solid wall with no openings of ½ inch or more

- on the side or back, only the open tops of the exposed boxes are required to be covered.
- iii. Covers or tarpaulins may be constructed of any fabric that has a weave of less than ½ inch. In addition, covers must be in good repair and securely fastened or tied down in a manner that will prevent the loss of fruit, leaves, or plant debris while in transit.
 - iv. Identity of each load of fruit must be maintained by issuing an individually numbered trip ticket containing the following information:
 - (1) Name of Grove, Land Owner/agent, Lessee, Harvester
 - (2) License tag number.
 - (3) Number of boxes contained in load (if not bulk)
 - (4) Grove block fruit originated in
 - (5) Processing plant or packinghouse to which fruit is destined
 - (6) Date of harvest
 - (7) The word “TARP” written clearly, preferably at the bottom
 - v. After being emptied and cleaned of plant debris, trailers, field boxes or bins must be disinfected using:
 - (1) A 200-ppm solution of sodium hypochlorite with a pH of 6.0 to 7.5; or
 - (2) A 0.2-percent solution of a quaternary ammonium chloride (QAC) compound; or
 - (3) A solution containing 85 parts per million PAA (indoor use only).
 - f. Processors receiving fruit for processing must operate under a Compliance Agreement that stipulates the following:
 - i. After shipments are emptied at the processing plant or packinghouse, trailers, tarpaulins, field boxes, and field bins must be cleaned of all leaves and other plant debris.
 - ii. After being emptied at the processing plant or packinghouse and cleaned of plant debris, trailers, field boxes or bins must be disinfected using:
 - (1) A 200-ppm solution of sodium hypochlorite with a pH of 6.0 to 7.5; or
 - (2) A 0.2-percent solution of a QAC compound; or
 - (3) A solution containing 85 parts per million PAA (indoor use only).
 - g. Culls and peels, or other plant material that remains after processing must be handled as follows:
 - i. The plant parts must be moved in an enclosed or covered vehicle cargo area. The cargo must be enclosed or covered in a manner so as to have no openings greater than ½ inch exposing the leaves, litter, etc.
 - ii. When plant material comes directly in contact with the vehicle, the vehicle must be disinfected following movement.
 - iii. The plant parts must be destroyed by one of the methods:
 - (1) Heat treated to at least 180 degrees Fahrenheit for a period of at least one hour,
 - (2) Incinerated,
 - (3) Buried at a landfill or other disposal site approved site approved by APHIS or the State and covered with dirt at the end of every day that dumping occurs,
 - (4) Feed to livestock as feed.
5. Fresh host plant parts (including leaves for consumption, as apparel, or as a similar personal accessory, or decorative use), excluding fruit, propagative material, and nursery stock from quarantine areas may move with a certificate to all States under the following conditions:
- a. Producers and/or distributors must have a signed compliance agreement with APHIS;
 - b. Regulated articles must be asymptomatic based on visual inspection by an inspector; and

- c. The certificate should be present on both the paperwork accompanying the shipment and on the containers in which the regulated articles are packed.
6. Nursery stock from quarantine areas will only be allowed interstate movement to non-commercial citrus-producing States with a limited permit under the following conditions:
 - a. Any person engaged in growing, processing, handling, or moving host nursery stock in an SOS quarantine area must enter into a compliance agreement with APHIS;
 - b. Nursery stock may only be shipped if accompanied by a limited permit issued by an inspector verifying that all conditions of this Federal Order and any additional requirements stipulated in the compliance agreement have been met. A copy of the limited permit must be attached to the consignee's copy of the accompanying waybill;
 - c. Nurseries must be inspected by an inspector on a quarterly basis to verify absence of SOS;
 - d. Nursery stock for shipping must undergo a pre-shipment inspection on each lot within 5 days before shipment. If no SOS-positive plants are found, the plants may be shipped after treatment with an APHIS-approved fungicide. The list of approved treatments is located on the APHIS website at:
http://www.aphis.usda.gov/plant_health/plant_pest_info/citrus/sweet_orange.shtml
 - e. Each host plant being moved interstate must be labeled with adequate identifying information to permit trace back to each premises on which the plants were grown;
 - f. Facilities must maintain records of inspections, treatments, invoices, and shipments made under this protocol and make the records available to APHIS upon request. Each facility must maintain all records for at least 3 years after the interstate shipment of the citrus nursery stock; and
 - g. Facility owners and employees must allow inspectors access to the facility to ensure compliance with this Federal Order.

D. Definitions

Certificate: A document, stamp, or other means of identification approved by APHIS and issued by an inspector or person operating under a compliance agreement when he or she finds that, because of certain conditions, a regulated article can be moved safely from a quarantine area.

Commercial Citrus-Producing States: The States of American Samoa, Arizona, California, Florida, Guam, Hawaii, Louisiana, Northern Mariana Islands, Puerto Rico, Texas, and Virgin Islands of the United States.

Compliance Agreement: A written agreement between APHIS and a person engaged in growing, processing, handling, or moving regulated or associated articles, wherein the person agrees to comply with stipulations set forth in the agreement.

Inspector: Any employee of APHIS, the U.S. Department of Agriculture, or any employee of a State, a County, or any other person specifically authorized by the Administrator to perform the

duties required under this Order.

Limited Permit: A document issued by an inspector or person operating under a compliance agreement to allow the interstate movement of regulated articles to a specified destination, for specified handling, processing, or utilization.