

**Information for Citrus Growers/Grove Managers  
in an Asian Citrus Psyllid (ACP) Bulk Citrus Regional Quarantine Zone  
or Huanglongbing (HLB) Quarantine Area**

July 29, 2019

**ACP-Free and HLB-Pest Risk Mitigated Bulk Citrus Movement from an ACP Bulk Citrus Regional Quarantine Zone ([map](#))  
or an HLB Quarantine area ([map](#))**

The California Department of Food and Agriculture (CDFA) has implemented a State Interior Quarantine for [Asian citrus psyllid \(ACP\)](#) and [Huanglongbing Disease \(HLB\)](#). CDFA has issued Special Permits (auth. CCR 3150) to allow the movement of bulk citrus fruit from an ACP bulk citrus regional quarantine zone or from an HLB quarantine area if meeting an ACP-free performance standard.

In order to move bulk citrus from an ACP regional quarantine zone or an HLB quarantine area under the terms of the permit(s), growers, grove managers, haulers, and harvesters must do the following:

1. Sign a compliance agreement and exhibit provided by the ACP or HLB Program;
2. Complete the applicable [ACP-Free Declaration form](#) or [HLB Pest Risk Mitigation form](#) and include an original form with each shipment, if required (see table below);
3. The ACP-Free Declaration form or HLB Pest Risk Mitigation form must be submitted to your local County Agricultural Commissioner's office at least 72 hours in advance of harvest and to the destination County Agricultural Commissioner's office at least 24 hours in advance of shipment to ensure the shipment is free of ACP and mitigated for HLB;
4. Ensure pallets or field bins are completely tarped or moved in a fully enclosed vehicle;
5. Deliver bulk citrus fruit only to a Program approved packing house or processor. Please contact the local County Agricultural Commissioner for a list of approved receivers;
6. Provide the ACP-Free Declaration form or HLB Pest Risk Mitigation form to the receiving packing house or processor upon delivery.

**Table 1: Movement of Citrus (ACP Regional Quarantine Only)**

Shipping From	Shipping to a Packer/Processor	
	Within the Same ACP Bulk Citrus Regional Quarantine Zone	In a Different ACP Bulk Citrus Regional Quarantine Zone
ACP Regional Quarantine Zones 2, 3, 4, 5, or 7	Transport Completely Tarped or in a Fully Enclosed Vehicle	Field Cleaned by Machine <b>OR</b> Treatment Option <b>AND</b> Transport Completely Tarped or in a Fully Enclosed Vehicle <b>AND</b> Complete ACP-Free Declaration Form

**Table 2: Movement of Citrus Grown in an HLB Quarantine Area**

Shipping Fruit Grown In	Shipping to a Packer/Processor	
	Within the Same Contiguous HLB Quarantine Area	Outside of HLB Quarantine Area <b>OR</b> Different HLB Quarantine Area
HLB Quarantine Area	Field Cleaned by Machine <b>OR</b> Spray & Harvest <b>AND</b> Transport Completely Tarped or in a Fully Enclosed Vehicle <b>AND</b> Complete HLB Pest Risk Mitigation Form	Wet Wash <b>OR</b> Field Cleaned by Machine and Spray & Harvest <b>AND</b> Transport Completely Tarped or in a Fully Enclosed Vehicle <b>AND</b> Complete HLB Pest Risk Mitigation Form

Note: All fruit moved outside the HLB quarantine area may only move to a packinghouse/processor under compliance to receive HLB quarantine area fruit.

**Table 3: Movement of Citrus into an HLB Quarantine Area**

Shipping From	Shipping to a Packer/Processor	
	Inside of HLB Quarantine Area for Final Packing/Processing	Inside of HLB Quarantine Area for Mitigation Only and for Final Packing/Processing <u>Outside</u> of the HLB Quarantine Area
ACP Regional Quarantine Zones 2, 3, 4, 5, or 7	Transport Completely Tarped or in a Fully Enclosed Vehicle <b>AND</b> Complete ACP-Free Declaration Form	Transport Into HLB Quarantine Area Completely Tarped or in a Fully Enclosed Vehicle and Complete ACP-Free Declaration Form <b>THEN</b> Wet Wash and Ship Completely Tarped or in a Fully Enclosed Vehicle <b>AND</b> Complete HLB Pest Risk Mitigation Form

Note: All fruit moved outside the HLB quarantine area may only move to a packinghouse/processor under compliance to receive HLB quarantine area fruit.

The following are methods that CDFA agrees would ensure the pest risk has been mitigated in bulk citrus shipments from an ACP bulk citrus regional quarantine zone or an HLB quarantine area:

1. **Mechanically cleaned free of all stems and leaves.**
2. **All fruit must be transported to the packer/processor in a fully enclosed vehicle or completely covered by a solid or mesh tarp and in accordance with the terms listed in Compliance Agreement Exhibit “ACP Citrus-T” to prevent exposure to ACP or the loss of any fruit or plant material.**
3. **Grate cleaned citrus.** Any grower or packinghouse interested in using a grate cleaning method to meet the ACP-free performance standard must follow the steps listed in the Grate Cleaning Protocol which can be found at <http://phpps.cdfa.ca.gov/PE/InteriorExclusion/pdf/gratecleaningprotocol.pdf>
4. **Other methods used to declare ACP-freedom or HLB mitigation in bulk citrus shipments may also be agreed upon by CDFA.** To propose additional methods, please do the following:
  - a. Complete the ACP-Free Declaration or HLB Pest Risk Mitigation form, including a description of the proposed method to declare ACP-freedom or HLB mitigation for the bulk citrus shipments. Include additional pages if necessary.
  - b. Send the complete form to your local County Agricultural Commissioner or ACP Program office prior to harvest for approval. Please note, the acceptance of new methods may take substantially more time to review.

**Cooperative ACP / HLB Program Offices**

<u>Visalia Office</u> 724 N Ben Maddox Way, Suite D Visalia, CA 93292 Phone: 559-625-1040 Fax: 559-625-1050	<u>Palm Desert Office</u> 73-710- Fred Waring Dr. Suite 211 Palm Desert, CA 92260 Phone: 760-773-0941 Fax: 760-836-0140	<u>Upland Office</u> 1111 East Eighth St. Upland, CA 91786 Phone: 909-367-7981 Fax: 909-949-7378	<u>Riverside Office</u> 3180 Cridge St. Riverside, CA 9257 Phone: 951-784-1021 Fax: 951-784-8932
<u>Camarillo Office</u> 745 W. Ventura Blvd. Suite A Camarillo, CA 93010 Phone: 805-445-1382 Fax: 805-482-2901	<u>San Diego Office</u> 2878 Camino del Rio South, Suite 408 San Diego, CA 92108 Phone: 619-295-2913 Fax: 619-295-2918	<u>Sacramento Office</u> 2800 Gateway Oaks Dr. Sacramento, CA 95833 Phone: 916-654-0312 Fax: 916-654-0986	<u>San Jose Office</u> 96 San Jose Ave. San Jose, CA 95125 Phone: 408-277-1090 Fax: 408-277-1014

**5. Pre-harvest application of product applied within 14 days prior to harvest.** A list of products and use rates recommended by the University of California, Integrated Pest Management Program (UC IPM), and agreed upon by CDFA are provided below.

It is incumbent upon the user to follow all label directions when using any of the products listed below.  
Reference the California Department of Pesticide Regulation to obtain product and label information: [www.cdpr.ca.gov](http://www.cdpr.ca.gov)

When applying by ground, use 100-200 gallons per acre (gpa) water volume for mature trees.  
Adjust water volume for young trees as necessary. When applying by air, use 5-25 gpa water volume depending upon pesticide used.

Products listed below are subject to change.

Product	EPA No.	Active Ingredient	Treatment Method	Rate per Acre	Rate of Active Ingredient	PHI	REI	Maximum Amount per Crop Season	Minimum Application Volume by Air
Actara	100-938	25% thiamethoxam	foliar	4.0 - 5.5 fl oz	0.063 - 0.086 lb ai thiamethoxam	0 day	12h	11 oz maximum per season	5 gpa
Admire Pro <sup>2,3,4</sup>	264-827	4.6 lb ai/gal imidacloprid	foliar	7 fl oz	0.25 lb ai per acre	0 day	12h	14 oz	25 gpa
Baythroid XL	264-840	1 lb ai/gal beta-cyfluthrin	foliar	3.2 - 6.4 fl oz	0.025 - 0.050 lb ai beta cyfluthrin	0 day	12h	6.4 fl oz of cyfluthrin or beta-cyfluthrin	25 gpa
Danitol 2.4 EC Spray	59639-35	2.4 lb ai/gal fenpropathrin	foliar	16 - 21.3 fl oz	0.3 - 0.4 lb ai fenpropathrin	1 day	24h	21.3 oz	5 gpa
Lannate LV <sup>1</sup>	352-284	methomyl	foliar	1.5 - 3 pints	0.45 - 0.9 lb ai methomyl	1 day	72h	9 pints, 4 appl. per season	15 gpa
Lannate SP*	352-342	methomyl	foliar	0.5 - 1.0 lb	0.45 - 0.9 lb ai methomyl	1 day	72h	3 pints, 4 appl. per season	15 gpa
Leverage 360	264-1104	1 lb ai/gal beta-cyfluthrin + 2 lb ai/gal imidacloprid	foliar	3.2 - 6.4 fl oz	0.025 - 0.50 lb ai beta-cyfluthrin + 0.05 - 0.1 lb ai imidacloprid	0 day	12h	6.4 fl oz of cyfluthrin or beta-cyfluthrin	25 gpa
Mustang	279-3126	17.1% by weight zeta cypermethrin	foliar	4.3 oz	0.05 lb ai zeta cypermethrin	1 day	12h	17.2 fl oz appl. 14 days apart	10 gpa
Tombstone	34704-912	2 lb ai/gal cyfluthrin	foliar	3.2 - 6.4 fl oz	0.10 lb ai cyfluthrin	0 day	12h	6.4 fl oz of cyfluthrin or beta-cyfluthrin	25 gpa
Tombstone Helios	34704-978	2 lb ai/gal cyfluthrin	foliar	3.2 - 6.4 fl oz	0.10 lb ai cyfluthrin	0 day	12h	6.4 fl oz of cyfluthrin or beta-cyfluthrin	25 gpa

<sup>1</sup>Product to be used during citrus bloom.

<sup>2</sup>Do not use if a soil imidacloprid treatment has been applied to the orchard in the same season.

<sup>3</sup>Any 4F formulation of imidacloprid may be used at a rate of 8 oz

<sup>4</sup>Any 4.6F formulation of imidacloprid may be used at a rate of 7 oz

**DISCLAIMER** – The 14-day treatment interval and all pesticides listed in the above table are solely the recommendations of the University of California. The California Department of Food and Agriculture bears no responsibility for the efficacy of these recommendations.

If you have any questions, please contact Victoria Hornbaker at [Victoria.Hornbaker@cdfa.ca.gov](mailto:Victoria.Hornbaker@cdfa.ca.gov).