

264-763

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460-0001



JAN - 7 2014

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Jamin Huang  
Bayer CropScience LP  
P.O. Box 12014, 2 T.W. Alexander Drive  
Research Triangle Park, NC 27709

Subject: Amendment to add pollinator text per Agency letter dated 08/15/13  
EPA Registration No.: 264-763  
Primary Brand Name: Provado 1.6 Flowable Insecticide  
Submission Date: September 25, 2013

Dear Mr. Huang:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act is acceptable. A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release the product for shipment with the new labeling. See 40 CFR 156.10(a)(6).

Under 40 CFR 152.130(d), EPA may establish dates by which all product distributed or sold by the registrant must bear revised labeling. The following paragraphs set forth the schedule for ensuring that that your product bears revised labeling within a reasonable time period.

- Any product released for shipment after 2/28/14 must bear the new label.

If these conditions are not complied with, EPA will take appropriate action against this registration. If you have any questions, please contact Gene Benbow at (703) 347-0235 or via email at [benbow.gene@epa.gov](mailto:benbow.gene@epa.gov).

Sincerely,

A handwritten signature in cursive script, appearing to read "Venus Eagle".

Handwritten initials "for" in cursive script.

Venus Eagle  
Product Manager (01)  
Insecticide-Rodenticide Branch  
Registration Division (7504P)

2/23

GROUP	4A	INSECTICIDE
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# Provado® 1.6 Flowable Insecticide

For control of certain insects infesting various crops.

**ACTIVE INGREDIENT:**

Imidacloprid, 1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine ..... 17.4%

**INERT INGREDIENTS:** ..... 82.6%

100.0%

**EPA Reg. No. 264-763**

**EPA Est. No.**

Contains 1.6 pounds of active ingredient per gallon.

SHAKE WELL BEFORE USING

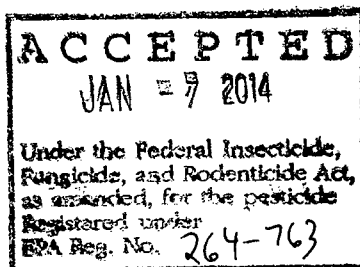
**STOP - Read the label before use  
Keep out of reach of children**

## CAUTION

For MEDICAL And TRANSPORTATION Emergencies **ONLY** Call 24 Hours A Day 1-800-334-7577  
For PRODUCT USE Information Call 1-866-99BAYER (1-866-992-2937)

### FIRST AID

<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<p>In case of emergency call toll free the Bayer CropScience Emergency Response Telephone No. 1-800-334-7577. Have a product container or label with you when calling a poison control center or doctor, or going for treatment.</p>	
<p><b>Note To Physician:</b> No specific antidote is available. Treat the patient symptomatically.</p>	



## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing.

#### Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material such as, barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinylchloride (PVC) or viton.
- Shoes plus socks

Follow manufacturer's instructions for cleaning/ maintaining personal protective equipment, PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### Engineering controls statements:

- When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

### User Safety Recommendations

#### User should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### ENVIRONMENTAL HAZARDS

Do not apply directly to water, areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are foraging in the treatment area. This product is toxic to wildlife and highly toxic to aquatic invertebrates.

This chemical demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

## PROTECTION OF POLLINATORS



**APPLICATION RESTRICTIONS** EXIST FOR THIS PRODUCT  
BECAUSE OF RISK TO BEES AND OTHER INSECT POLLINATORS. FOLLOW APPLICATION RESTRICTIONS  
FOUND IN THE DIRECTIONS FOR USE TO PROTECT POLLINATORS.



Look for the bee hazard icon in the Directions for Use for each application site for specific use restrictions and instructions to protect bees and other insect pollinators.

**This product can kill bees and other insect pollinators.**

Bees and other insect pollinators will forage on plants when they flower, shed pollen, or produce nectar.

Bees and other insect pollinators can be exposed to this pesticide from:

- Direct contact during foliar applications, or contact with residues on plant surfaces after foliar applications
- Ingestion of residues in nectar and pollen when the pesticide is applied as a seed treatment, soil, tree injection, as well as foliar applications.

When Using This Product Take Steps To:

- Minimize exposure of this product to bees and other insect pollinators when they are foraging on pollinator attractive plants around the application site.
- Minimize drift of this product on to beehives or to off-site pollinator attractive habitat. Drift of this product onto beehives or off-site to pollinator attractive habitat can result in bee kills.

Information on protecting bees and other insect pollinators may be found at the Pesticide Environmental Stewardship website at: <http://pesticidestewardship.org/PollinatorProtection/Pages/default.aspx>.

Pesticide incidents (for example, bee kills) should immediately be reported to the state/tribal lead agency. For contact information for your state, go to: [www.aapco.org/officials.html](http://www.aapco.org/officials.html). Pesticide incidents should also be reported to the National Pesticide Information Center at: [www.npic.orst.edu](http://www.npic.orst.edu) or directly to EPA at: [beekill@epa.gov](mailto:beekill@epa.gov)

**OBSERVE THE FOLLOWING PRECAUTIONS WHEN MIXING AND APPLYING IN THE VICINITY OF AQUATIC AREAS SUCH AS LAKES; RESERVOIRS; RIVERS; PERMANENT STREAMS, MARSHES OR NATURAL PONDS; ESTUARIES AND COMMERCIAL FISH FARM PONDS.**

#### **SPRAY DRIFT MANAGEMENT**

The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator is responsible for considering all of these factors when making application decisions. Avoiding spray drift is the responsibility of the applicator.

##### **Mixing and Loading Requirements**

To avoid potential contamination of groundwater, the use of a properly designed and maintained containment pad for mixing and loading of any pesticide into application equipment is recommended. If containment pad is not used, maintain a minimum distance of 25 feet between mixing and loading areas and potential surface to groundwater conduits such as field sumps, uncased well heads, sinkholes or field drains.

##### **For Aerial Applications**

The spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used, and must not exceed 75% of the wing span or rotor diameter.

##### **Importance of Droplet Size**

An important factor influencing drift is droplet size. Small droplets (<150 - 200 microns) drift to a greater extent than large droplets. Within typical equipment specifications, applications should be made to deliver the largest droplet spectrum that provides sufficient control and coverage. Formation of very small droplets may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible and by avoiding excessive spray boom pressure.

Spray should be released at the lowest possible height consistent with good pest control and flight safety. Applications more than 10 feet above the crop canopy should be avoided.

### Wind Speed Restrictions

Drift potential increases at wind speeds of less than 3 mph (due to inversion potential) or more than 10 mph. However, many factors, including droplet size, canopy and equipment specifications determine drift potential at any given wind speed. Do not apply when winds are greater than 15 mph and avoid gusty and windless conditions. Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.

### Restrictions During Temperature Inversions

Do not make aerial or ground applications during temperature inversions. Drift potential is high during temperature inversions.

Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however if fog is not present, inversions can also be identified by the movement of smoke from a ground source. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical mixing.

### Airblast (Air Assist) Specific Directions for Tree Crops and Vineyards

Airblast sprayers carry droplets into the canopy of trees/vines via a radially, or laterally directed air stream. The following specific drift management practices should be followed:

- Adjust deflectors and aiming devices so that spray is only directed into the canopy;
- Block off upward pointed nozzles when there is no overhanging canopy;
- Use only enough air volume to penetrate the canopy and provide good coverage;
- Do not allow the spray to go beyond the edge of the cultivated area (i.e., turn off sprayer when turning at end rows);
- Only spray inward, toward the orchard or vineyard, for applications to the outside rows.

### No-Spray Zone Requirements for Foliar Applications

Do not apply by ground within 25 feet, or by air within 150 feet of lakes; reservoirs; rivers; permanent streams, marshes or natural ponds; estuaries and commercial fish farm ponds.

### Runoff Management

Do not cultivate within 10 feet of the aquatic areas to allow growth of a vegetative filter strip. When used on erodible soils, Best Management Practices for minimizing runoff should be employed. Consult your local Natural Resources Conservation Service for recommendations in your use area.

### Endangered Species Notice

Under the Endangered Species Act, it is a Federal Offense to use any pesticide in a manner that results in the death of a member of an endangered species. Consult your local county bulletin, County Extension Agent, or Pesticide State Lead Agency for information concerning endangered species in your area.

### Resistance Management

Some insects are known to develop resistance to insecticides after repeated use. As with any insecticide, the use of this product should conform to resistance management strategies established for the use area.

Provado® 1.6 Flowable Insecticide contains a Group 4A insecticide. Insect biotypes with acquired or inherent tolerance to Group 4A products may eventually dominate the insect population if Group 4A products are used repeatedly as the predominant method of control for targeted species. This may eventually result in partial or total loss of control of those species by PROVADO® 1.6 FLOWABLE INSECTICIDE and to other Group 4A products.

The active ingredient in PROVADO® 1.6 FLOWABLE INSECTICIDE is a member of neonicotinoid chemical class. Avoid using a block of more than three consecutive applications of PROVADO® 1.6 FLOWABLE INSECTICIDE and/or other Group 4A products having the same or similar mode of action. Following a neonicotinoid block of treatments, Bayer CropScience strongly encourages the rotation to a block of applications with effective products of a different mode before using additional applications of neonicotinoid products. Using a block rotation or windowed approach, along with other IPM practices, is considered an effective use strategy for preventing or delaying an insect's pest's ability to develop resistance to this class of chemistry.

Foliar applications of PROVADO® 1.6 FLOWABLE INSECTICIDE or other Group 4A products from the neonicotinoid chemical class should not be used on crops previously treated with a long-residual, soil-applied product from the neonicotinoid chemical class.

Contact your local extension specialist, certified crop advisor and/or product manufacturer for additional insect resistance management recommendations. Also, for more information on Insect Resistance Management (IRM), visit the Insecticide Resistance Action Committee (IRAC) on the web at <http://irac-online.org/>.

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## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

See individual crops for specific pollinator protection application restrictions. If none exist under the specific crop, for foliar applications, follow these application directions for crops that are contracted to have pollinator services or for food/feed & commercially grown ornamentals that are attractive to pollinators:

### FOR CROPS UNDER CONTRACTED POLLINATION SERVICES



Do not apply this product while bees are foraging. Do not apply this product until flowering is complete and all petals have fallen unless the following condition has been met.

If an application must be made when managed bees are at the treatment site, the beekeeper providing the pollination services must be notified no less than 48-hours prior to the time of the planned application so that the bees can be removed, covered or otherwise protected prior to spraying.

### FOR FOOD CROPS AND COMMERCIALY GROWN ORNAMENTALS NOT UNDER CONTRACT FOR POLLINATION SERVICES BUT ARE ATTRACTIVE TO POLLINATORS



Do not apply this product while bees are foraging. Do not apply this product until flowering is complete and all petals have fallen unless one of the following conditions is met:

- The application is made to the target site after sunset
- The application is made to the target site when temperatures are below 55°F
- The application is made in accordance with a government-initiated public health response
- The application is made in accordance with an active state-administered apiary registry program where beekeepers are notified no less than 48-hours prior to the time of the planned application so that the bees can be removed, covered or otherwise protected prior to spraying
- The application is made due to an imminent threat of significant crop loss, and a documented determination consistent with an IPM plan or predetermined economic threshold is met. Every effort should be made to notify beekeepers no less than 48-hours prior to the time of the planned application so that the bees can be removed, covered or otherwise protected prior to spraying.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Chemical-resistant gloves made of any waterproof material such as, barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinylchloride (PVC) or viton
- Shoes plus socks

### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

**Pesticide Storage:** Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area. Handle and open container in a manner as to prevent spillage. If the container is leaking, invert to prevent leakage. If container is leaking or material spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides below. In spill or leak incidents, keep unauthorized people away. You may contact the Bayer CropScience Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Bayer CropScience Emergency Response telephone number is 1-800-334-7577.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Offer for recycling, if available or reconditioning, or puncture and dispose of in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

### APPLICATION RESTRICTIONS

Do not apply PROVADO® 1.6 FLOWABLE INSECTICIDE in enclosed structures such as greenhouses or planthouses.

Do not apply more than 0.5 lb active ingredient per acre, per year, regardless of formulation or method of application, unless specified within a crop specific section.

### APPLICATION DIRECTIONS

Apply PROVADO® 1.6 FLOWABLE INSECTICIDE as a directed or broadcast foliar spray. Thorough coverage of foliage is necessary without runoff for optimum insecticidal efficacy. Use adequate spray volumes, properly calibrated application equipment and spray adjuvant if necessary to obtain thorough coverage. Failure to provide adequate coverage and retention of PROVADO® 1.6 FLOWABLE INSECTICIDE on leaves and fruit may result in loss of insect control or delay in onset of activity. Apply PROVADO® 1.6 FLOWABLE INSECTICIDE with properly calibrated ground or aerial application equipment. Unless otherwise specified in crop sections, the minimum spray volumes are 10 gallons/Acre by ground application and 5 gallons/Acre through aerial equipment. PROVADO® 1.6 FLOWABLE INSECTICIDE may also be applied by overhead chemigation (see additional CHEMIGATION DIRECTIONS FOR USE section below) if allowed in crop specific section.



PROVADO® 1.6 FLOWABLE INSECTICIDE use on crops grown for production of true seed intended for private or commercial planting is not allowed unless under state-specific 24(c) labeling. Refer to crop specific use directions for pollinator restrictions. Additional information on PROVADO® 1.6 FLOWABLE INSECTICIDE uses for these crops and other questions may be obtained from the Cooperative Extension Service, PCAs, consultants or local Bayer CropScience representatives.

Additional product use information may be obtained by calling 1-866-99BAYER (1-866-992-2937).

#### **MIXING INSTRUCTIONS**

To prepare the application mixture, add a portion of the required amount of water to the spray tank and with agitation add PROVADO® 1.6 FLOWABLE INSECTICIDE. Complete filling tank with balance of water needed. Maintain sufficient agitation during both mixing and application. PROVADO® 1.6 FLOWABLE INSECTICIDE may also be used with other pesticides and/or fertilizer solutions. **Please see Compatibility Section below.** When tank mixtures of PROVADO® 1.6 FLOWABLE INSECTICIDE and other pesticides are involved, prepare the tank mixture as specified above and follow suggested Mixing Order below.

#### **Mixing Order**

When pesticide mixtures are needed, add wettable powders or wettable granules first, PROVADO® 1.6 FLOWABLE INSECTICIDE, or other flowables second, and emulsifiable concentrates last. Ensure good agitation as each component is added. Do not add an additional component until the previous is thoroughly mixed. If a fertilizer solution is added, a fertilizer pesticide compatibility agent may be needed. Maintain constant agitation during both mixing and application to ensure uniformity of spray mixture.

#### **Compatibility Section**

Test compatibility of the intended tank mixture before adding PROVADO® 1.6 FLOWABLE INSECTICIDE to the spray or mix tank. Add proportionate amounts of each ingredient in the appropriate order, to a pint or quart jar, cap, shake for 5 minutes, and let set for 5 minutes. Poor mixing or formation of precipitates that do not readily re-disperse indicates an incompatible mixture that should not be used. For further information, contact your local Bayer CropScience representative.

#### **CHEMIGATION DIRECTIONS FOR USE**

Refer to DIRECTIONS FOR USE section before proceeding with chemigation application.

#### **Types of Irrigation Systems**

Chemigation applications of PROVADO® 1.6 FLOWABLE INSECTICIDE may be made to crops through overhead sprinkler chemigation systems if specified in crop-specific sections. **Do not apply PROVADO® 1.6 FLOWABLE INSECTICIDE through any other type of irrigation system.**

#### **Water Volume**

Make PROVADO® 1.6 FLOWABLE INSECTICIDE chemigation applications as concentrated as possible. Retention of PROVADO® 1.6 FLOWABLE INSECTICIDE on target site of insect infestation is necessary for optimum activity.

#### **Uniform Water Distribution and System Calibration**

The irrigation system must provide uniform distribution of treated water. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. The system must be calibrated to uniformly apply the rates specified. If you have questions about calibration, contact State Extension Service specialists, equipment manufacturers or other experts.

#### **Chemigation Monitoring**

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

#### **Drift**

Do not apply when the wind speed favors drift beyond the area intended for treatment.

#### **Required System Safety Devices**

The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow. The pesticide injection pipeline must contain a functional automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

#### Using Water from Public Water Systems

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, back flow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and to top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe. The pesticide injection pipeline must contain a functional automatic quick-closing check valve to prevent the flow of fluid back toward the injection. The pesticide injection pipeline must contain a functional normally closed solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

#### ROTATIONAL CROPS\*

Treated areas may be replanted with any crop specified on an imidacloprid label, or any crop for which a tolerance exists for the active ingredient, as soon as practical following the last application. For crops not listed on an imidacloprid label, or for crops for which no tolerances for the active ingredient have been established, a 12-month plant-back interval must be observed.

##### Immediate Plant-back:

All crops on this label plus the following crops not on this label: barley, canola, corn (field, sweet and pop), bulb vegetables – crops of crop group 03-07, rapeseed, sorghum, soybean, sugar beet, and wheat.

##### 30-Day Plant-back:

Cereals (including buckwheat, millet, oats, rice, rye and triticale), safflower

##### 12-Month Plant-back:

All other crops

\*Cover crops for soil building or erosion control may be planted any time, but do not graze or harvest for food or feed.

## FIELD CROPS

### Applications - PROVADO® 1.6 FLOWABLE INSECTICIDE

Apply specified rate per acre as a broadcast or directed foliar spray to an infested area as pest populations begin to build. Thorough uniform coverage is necessary to achieve optimum control. A spray adjuvant may be used to improve coverage. PROVADO® 1.6 FLOWABLE INSECTICIDE may not knockdown established and heavy insect populations. Two applications may be required to achieve control. Scout fields and retreat if needed. PROVADO® 1.6 FLOWABLE INSECTICIDE may be tank mixed with other insecticides for knockdown of pests or for improved control of other pests.

### COTTON

Pests Controlled	Rate fluid ounces/Acre
Cotton aphid Cotton fleahopper Bandedwinged whitefly Plant bugs (excludes <i>Lygus hesperus</i> ) Green stink bug Southern green stink bug Bollworm/Budworm (ovicidal effect)	2.5 - 5.0
Pests Suppressed	
Lygus bug ( <i>Lygus hesperus</i> ) Whiteflies (other than bandedwinged whitefly)	3.8 - 5.0
<b>Restrictions</b> Pre-Harvest Interval (PHI): <b>14 days</b> Minimum interval between applications: <b>7 days</b> Maximum PROVADO® 1.6 FLOWABLE INSECTICIDE allowed per year: <b>25.0 fluid ounces/Acre</b> (0.31 lb AI/A) Do not graze treated fields after any application of PROVADO® 1.6 FLOWABLE INSECTICIDE. Apply PROVADO® 1.6 FLOWABLE INSECTICIDE through properly calibrated ground, aerial or chemigation application equipment.	

### PEANUT <sup>1/</sup>

Pests Controlled	Rate fluid ounces/Acre
Aphids Leafhoppers Whiteflies	3.5
<b>Restrictions</b> Pre-Harvest Interval (PHI): <b>14 days</b> Minimum interval between applications: <b>5 days</b> Maximum PROVADO® 1.6 FLOWABLE INSECTICIDE allowed per year: <b>10.5 fluid ounces/Acre</b> (0.13 lb AI/Acre)	
<sup>1/</sup> Use not permitted in California unless otherwise directed by state-specific 24(c) labeling.	

**POTATO**

Pests Controlled	Rate fluid ounces/Acre
Aphids Colorado potato beetle Flea beetles Leafhoppers Psyllids	3.8
<b>Restrictions</b> Pre-Harvest Interval (PHI): 7 days Minimum Interval between applications: 7 days Maximum PROVADO® 1.6 FLOWABLE INSECTICIDE allowed per year: 16.0 fluid ounces/Acre (0.2 lb AI/A)	

**TOBACCO**

Pests Controlled	Rate fluid ounces/Acre
Aphids	2.0 – 4.0
Flea beetles Japanese beetle	4.0
<b>Restrictions</b> Pre-Harvest Interval (PHI): 14 days Minimum interval between applications: 7 days Maximum PROVADO® 1.6 FLOWABLE INSECTICIDE allowed per year: 22.4 fluid ounces/Acre (0.28 lb AI/A)	

## VEGETABLE and SMALL FRUIT CROPS

### Applications - PROVADO® 1.6 FLOWABLE INSECTICIDE

Apply specified rate per acre as a broadcast or directed foliar spray to infested area as pest populations begin to build. Thorough uniform coverage is necessary to achieve optimum control. A spray adjuvant may be used to improve coverage. PROVADO® 1.6 FLOWABLE INSECTICIDE may not knockdown established and heavy insect populations. Two applications may be required to achieve control. Scout fields and retreat if needed. PROVADO® 1.6 FLOWABLE INSECTICIDE may be tank mixed with other insecticides for knockdown of pests or for improved control of other pests.

### FRUITING VEGETABLES<sup>1/</sup>

**Crops of Crop Group 8 Plus Okra, including:** Eggplant, Ground cherry, Okra, Pepper (including bell, chili, cooking, pimento and sweet), Tomato, Pepinos, Tomatillo

Pests Controlled	Rate fluid ounces/Acre
Aphids Colorado potato beetle Leafhoppers Whiteflies	3.8 – 6.2
Pepper weevil	6.2
<b>Restrictions</b> Pre-Harvest Interval (PHI): <b>0 day</b> Minimum interval between applications: <b>5 days</b> Maximum PROVADO® 1.6 FLOWABLE INSECTICIDE allowed per crop season: <b>19.2 fluid ounces/Acre (0.24 lb AI/A)</b> <sup>1/</sup> Not for use on crops grown for seed unless allowed by state-specific 24(c) labeling.	
<b>Applications</b> For pepper weevil, apply specified dosage of PROVADO® 1.6 FLOWABLE INSECTICIDE by ground equipment only, timing applications prior to a damaging population becoming established. Good coverage of foliage and fruit is necessary for optimum control. Applications of PROVADO® 1.6 FLOWABLE INSECTICIDE must be incorporated into a full-season program, where alternations of effective products from multiple classes of chemistry and different modes of action are utilized in a blocked or windowed approach. For additional information, please contact your Bayer representative, Extension Specialist or crop advisor.	
When targeting adult whiteflies, use highest rate within the specified rate range.	

### GLOBE ARTICHOKE

Pests Controlled	Rate fluid ounces/Acre
Aphids Leafhoppers	4.0 – 10.0
<b>Restrictions</b> Pre-Harvest Interval (PHI): <b>7 days</b> Minimum interval between applications: <b>14 days</b> Maximum PROVADO® 1.6 FLOWABLE INSECTICIDE allowed per year: <b>40.0 fluid ounces/Acre (0.5 lb AI/A)</b>	

## HERBS

**Crops of Crop Subgroup 19A including:** Angelica, Balm (lemon balm), Basil (fresh and dried), Borage, Bumet, Camomile, Catnip, Chervil (dried), Chinese chive, Chive, Clary, Coriander (cilantro or Chinese parsley leaves), Costmary, Culantro (leaf), Curry (leaf), Dillweed, Horehound, Hyssop, Lavender, Lemongrass, Lovage (leaf), Marigold, Marjoram, Nasturtium, Parsley (dried), Pennyroyal, Rosemary, Rue, Sage, Savory (summer and winter), Sweet bay (bay leaf), Tansy, Tarragon, Thyme, Wintergreen, Woodruff, Wormwood.

Pests Controlled	Rate fluid ounces/Acre
Aphids Flea beetles Leafhoppers Whiteflies	3.5
<b>Restrictions</b> Pre-Harvest Interval (PHI): <b>7 days</b> Minimum interval between applications: <b>5 days</b> Maximum PROVADO® 1.6 FLOWABLE INSECTICIDE allowed per crop season: <b>10.5 fluid ounces/Acre</b> (0.13 lb AI/Acre) <b>Applications</b> Apply PROVADO® 1.6 FLOWABLE INSECTICIDE through properly calibrated ground and aerial application equipment. Thorough coverage with direct contact of the spray material to the target pests is required for optimum control. <b>Note</b> Not all crops and/or varieties listed above have been tested for phytotoxic effects. Without specific knowledge about a particular crop and variety, Bayer CropScience strongly recommends that only small areas or numbers of plants of each be treated and evaluated prior to commercial use.	

## BRASSICA (COLE) LEAFY VEGETABLES<sup>1/</sup>

**Crops of Crop Group 5 including:** Broccoli, Broccoli raab (*rapini*), Brussels sprouts, Cabbage, Cauliflower, Cavalo broccoli, Chinese (*gai lan*) broccoli, Chinese (*bok choy*) cabbage, Chinese (*napa*) cabbage, Chinese mustard (*gai choy*) cabbage, Collards, Kale, Kohlrabi, Mizuna, Mustard greens, Mustard spinach, Rape greens

Pests Controlled	Rate fluid ounces/Acre
Aphids Flea beetles Leafhoppers Whiteflies	3.8
<b>Restrictions</b> Pre-Harvest Interval (PHI): <b>7 days</b> Minimum interval between applications: <b>5 days</b> Maximum PROVADO® 1.6 FLOWABLE INSECTICIDE allowed per crop season: <b>19.0 fluid ounces/Acre</b> (0.24 lb AI/A) <sup>1/</sup> Not for use on crops grown for seed unless allowed by state-specific 24(c) labeling.	

**LEAFY GREENS VEGETABLES<sup>1/</sup>**

**Crops of Crop Subgroup 4A Plus Watercress including:** Amaranth (leafy amaranth, Chinese spinach, tampala), Arugula (rocket), Chervil, Chrysanthemum (edible leaved and garland), Corn salad, Cress (garden), Cress (upland, yellow rocket, winter cress), Dandelion, Dock (sorrel), Endive (escarole), Lettuce (head and leaf), Orach, Parsley, Purslane (garden and winter), Radicchio (red chicory), Spinach (including New Zealand and vine (Malabar spinach, Indian spinach)), Watercress (commercial production only). Applications must not be made to native cress growing in streams or other bodies of water, Watercress (upland)

Pests Controlled	Rate fluid ounces/Acre
Aphids Flea beetles Leafhoppers Whiteflies	3.8
<b>Restrictions</b> Pre-Harvest Interval (PHI): 7 days Minimum interval between applications: 5 days Maximum PROVADO® 1.6 FLOWABLE INSECTICIDE allowed per crop season: 19.0 fluid ounces/Acre (0.24 lb AI/A) For applications made to watercress, production fields must be drained of water at least 24 hours prior to application and water must not be reapplied to the field for a minimum of 24 hours following the application. Applications must be made to fully leafed-up canopies only. <sup>1/</sup> Not for use on crops grown for seed unless allowed by state-specific 24(c) labeling.	

**LEGUME VEGETABLES<sup>1/</sup>**

**Crops of Crop Group 6 (except soybean, dry) including:**

**Edible Podded and Succulent Shelled Pea and Bean and Dried Shelled Pea and Bean**

**Bean** (*Lupinus* spp., including grain lupin, sweet lupin, white lupin, and white sweet lupin)

**Bean** (*Phaseolus* spp., including field bean, kidney bean, lima bean, navy bean, pinto bean, runner bean, snap bean, tepary bean, wax bean)

**Bean** (*Vigna* spp., including adzuki bean, asparagus bean, blackeye pea, catjang, Chinese longbean, cowpea, Crowder pea, moth bean, mung bean, rice bean, Southern pea, urd bean, yardlong bean)

**Pea** (*Pisum* spp. including dwarf pea, edible-pod pea, English pea, field pea, garden pea, green pea, snow pea, sugar snap pea)

**Other Beans and Peas** (Broad bean (fava), Chickpea (garbanzo bean), Guar, Jackbean, Lablab bean (hyacinth bean), Lentil, Pigeon pea, soybean (immature seed), Sword bean)

Pests Controlled	Rate fluid ounces/Acre
Aphids Leafhoppers Whiteflies	3.5
<b>Restrictions</b> Pre-Harvest Interval (PHI): 7 days Minimum interval between applications: 7 days Maximum PROVADO® 1.6 FLOWABLE INSECTICIDE allowed per crop season: 10.5 fluid ounces/Acre (0.13 lb AI/A) <sup>1/</sup> Not for use on crops grown for seed unless allowed by state-specific 24(c) labeling.	

# **ROOT, TUBEROUS and CORM VEGETABLES<sup>1/</sup>**

**Crops of Crop Group 1C (except sugarbeet) plus Kava** including: Arracacha, Arrowroot, Artichoke (Chinese and Jerusalem), Beet (garden)<sup>2/</sup>, Burdock (edible)<sup>2/</sup>, Canna (edible, Queensland arrowroot), Carrot<sup>2/</sup>, Cassava (bitter & sweet)<sup>2/</sup>, Celeriac<sup>2/</sup>, Chayote (root), Chervil (turnip-rooted)<sup>2/</sup>, Chicory<sup>2/</sup>, Chufa, Dasheen (taro)<sup>2/</sup>, Ginger, Ginseng, Horseradish, Kava<sup>2/ 3/</sup>, Leren, Parsley (turnip-rooted), Parsnip<sup>2/</sup>, Radish<sup>2/</sup>, Oriental radish (diakon)<sup>2/</sup>, Rutabaga<sup>2/</sup>, Salsify (black)<sup>2/</sup>, Salsify (oyster plant), Salsify (Spanish), Skirret, Sweetpotato<sup>2/</sup>, Tanier (cocoyam)<sup>2/</sup>, Tumeric, Turnip<sup>2/</sup>, Yam bean (jicama, manioc pea), Yam (true)<sup>2/</sup>.

Pests Controlled	Rate fluid ounces/Acre
Aphids Flea beetles Leafhoppers Whiteflies	3.5
<b>Restrictions</b> Pre-Harvest Interval (PHI): <b>7 days</b> Minimum interval between applications: <b>5 days</b> Maximum PROVADO® 1.6 FLOWABLE INSECTICIDE allowed per crop season: <b>3.5 fluid ounces/Acre</b> (0.044 lb AI/A) on Radish; <b>10.5 fluid ounces/Acre</b> (0.13 lb AI/A) on other crops. Maximum PROVADO® 1.6 FLOWABLE INSECTICIDE applications per crop season: <b>1</b> on Radish; <b>3</b> on other crops. <sup>1/</sup> Not for use on crops grown for seed unless allowed by state-specific 24(c) labeling. <sup>2/</sup> Tops or greens from these crops may be utilized for food or feed. <sup>3/</sup> Use not permitted in California unless otherwise directed by state-specific 24(c) Labeling.	

## **STRAWBERRY**

Pests Controlled	Rate fluid ounces/Acre
Aphids Spittlebugs Whiteflies	3.8
<b>Restrictions</b> Pre-Harvest Interval (PHI): <b>7 days</b> Minimum interval between applications: <b>5 days</b> Maximum PROVADO® 1.6 FLOWABLE INSECTICIDE allowed per crop season: <b>11.4 fluid ounces/Acre</b> (0.14 lb AI/A) Do not apply during bloom or within 10 days prior to bloom or when bees are foraging.	



## TREE, BUSH and VINE CROPS

### Applications - PROVADO® 1.6 FLOWABLE INSECTICIDE

Apply specified rate per acre as a broadcast or directed foliar spray to infested area as pest populations begin to build. Thorough uniform coverage is necessary to achieve optimum control. A spray adjuvant may be used to improve coverage. PROVADO® 1.6 FLOWABLE INSECTICIDE may not knockdown established and heavy insect populations. Two applications may be required to achieve control. Scout fields and retreat if needed. PROVADO® 1.6 FLOWABLE INSECTICIDE may be tank mixed with other insecticides as specified for knockdown of pests or for improved control of other pests. Aerial application of PROVADO® 1.6 FLOWABLE INSECTICIDE may result in slower activity and reduced control relative to results from ground application. For tree and vine crops, specified application rates are based on full-size, mature trees or vines.

### BANANA and PLANTAIN

Pests Controlled	Rate fluid ounces/Acre
Aphids Leafhoppers Thrips	8.0
<b>Restrictions</b> Pre-Harvest Interval (PHI): 0 day Minimum interval between applications: 14 days Maximum PROVADO® 1.6 FLOWABLE INSECTICIDE allowed per year: 40.0 fluid ounces/Acre (0.5 lb AI/A)	
<b>Applications</b> Apply specified dosage of PROVADO® 1.6 FLOWABLE INSECTICIDE as a broadcast or directed spray to infested area insuring thorough coverage. Apply PROVADO® 1.6 FLOWABLE INSECTICIDE through properly calibrated ground or aerial application equipment.	

### BUSHBERRY

**Crops of Crop Subgroup 13B including:** Blueberry, Currant, Elderberry, Gooseberry, Huckleberry, Juneberry, Lingonberry, Salal

Pests Controlled	Rate fluid ounces/Acre
Aphids Leafhoppers/Sharpshooters	3.0 – 4.0
Blueberry maggot Japanese beetle (adults) Thrips (foliage feeding thrips only)	6.0 – 8.0
<b>Restrictions</b> Pre-Harvest Interval (PHI): 3 days Minimum interval between applications: 7 days Maximum PROVADO® 1.6 FLOWABLE INSECTICIDE allowed per year: 40.0 fluid ounces/Acre (0.5 lb AI/A) Maximum number of PROVADO® 1.6 FLOWABLE INSECTICIDE applications per year: 5 Minimum application volume (water): 20.0 GPA – ground; 5.0 GPA – aerial. Do not apply pre-bloom or during bloom or when bees are foraging.	

**CANEBERRY<sup>1/</sup>**

Crops of the Caneberry, Crop Subgroup 13A including:

**Blackberry** (*Rubus* spp. - including Andean Blackberry, Arctic blackberry, Bingleberry, Black satin berry, Boysenberry, Brombeere, California blackberry, Chesterberry, Cherokee blackberry, Cheyene blackberry, Common blackberry, Coryberry, Darrowberry, Dewberry, Dirksen thornless berry, Evergreen blackberry, Himalayaberry, Hullberry, Lavacaberry, Loganberry, Lowberry, Lucretiaberry, Mammoth blackberry, Marionberry, Moras, Mures deronce, Nectarberry, Northern dewberry, Olallieberry, Oregon evergreen berry, Phenomenalberry, Rangeberry, Ravenberry, Rossberry, Shawnee blackberry, Southern dewberry, Tayberry, Youngberry, Zarzamora, and varieties and/or hybrids of these)

**Raspberry** (*Rubus* spp. - including Bababerry, Black raspberry, Blackcap, Caneberry, Framboise, Frambueso, Himbeere, Keriberry, Mayberry, Red raspberry, Thimbleberry, Tulameen, Yellow raspberry, and varieties and/or hybrids of these, and Wild raspberry)

Pests Controlled	Rate fluid ounces/Acre
Aphids Leafhoppers Thrips	8.0
<b>Restrictions</b> Pre-Harvest Interval (PHI): <b>3 day</b> Minimum interval between applications: <b>7 days</b> Maximum PROVADO® 1.6 FLOWABLE INSECTICIDE allowed per year: <b>24.0 fluid ounces/Acre</b> (0.3 lb AI/A) Do not apply pre-bloom or during bloom or when bees are foraging.	
<sup>1/</sup> Use not permitted in California unless otherwise directed by state-specific 24(c) labeling.	

**CITRUS**

Crops of Crop Group 10 including: Calamondin, Citrus citron, Citrus hybrids (includes chironja, tangelo and tangor), Grapefruit, Kumquat, Lemon, Lime, Mandarin (tangerine), Pummelo, Orange (sweet and sour), Satsuma mandarin, and other cultivars and/or hybrids of these

Pests Controlled	Rate fluid ounces/Acre
Aphids Asian citrus psyllid Blackfly Leafhoppers/Sharpshooters Leafminers Mealybugs Scales Whiteflies	10.0 – 20.0 (depending on tree size, target pest and infestation pressure)
<b>Pest Suppressed</b>	
Thrips (foliage feeding thrips only)	10.0 – 20.0
<b>Restrictions</b> Pre-Harvest Interval (PHI): <b>0 day</b> Minimum interval between applications: <b>10 days</b> Maximum PROVADO® 1.6 FLOWABLE INSECTICIDE allowed per year: <b>40.0 fluid ounces/Acre</b> (0.5 lb AI/A) Do not apply during bloom or within 10 days prior to bloom or when bees are foraging.	
<b>Applications</b> Scales – time applications to the crawler stage. Treat each generation.	

## COFFEE

Pests Controlled	Rate fluid ounces/Acre
Aphids Leafhoppers Whiteflies	8.0
Pest Suppressed	
Scales	8.0
<b>Restrictions:</b> Pre-Harvest Interval (PHI): 7 days Minimum interval between applications: 7 days Maximum PROVADO® 1.6 FLOWABLE INSECTICIDE allowed per year: 40.0 fluid ounces/Acre (0.5 lb AI/A) Do not apply pre-bloom or during bloom or when bees are foraging. <b>Applications:</b> Apply specified dosage of PROVADO® 1.6 FLOWABLE INSECTICIDE as a broadcast or directed spray to infested area insuring thorough coverage. Apply PROVADO® 1.6 FLOWABLE INSECTICIDE through properly calibrated ground or aerial application equipment.	

## GRAPE

Including: American bunch grape, Muscadine grape and Vinifera grape.

Pests Controlled	Rate fluid ounces/Acre
Leafhoppers/Sharpshooters Mealybugs	3.0 – 4.0
Grapeleaf skeletonizer	3.8 – 4.0
<b>Restrictions</b> Pre-Harvest Interval (PHI): 0 day Minimum interval between applications: 14 days Maximum PROVADO® 1.6 FLOWABLE INSECTICIDE allowed per year: 8.0 fluid ounces/Acre (0.1 lb AI/A) Apply PROVADO® 1.6 FLOWABLE INSECTICIDE by ground application only.	

## HOPS

Pest Controlled	Rate fluid ounces/Acre
Aphids	8.0
<b>Restrictions</b> Pre-Harvest Interval (PHI): 28 days Minimum interval between applications: 21 days Maximum PROVADO® 1.6 FLOWABLE INSECTICIDE allowed per year: 24.0 fluid ounces/Acre (0.3 lb AI/A)	

## POME FRUIT

Crops of Crop Group 11 including: Apple, Crabapple, Loquat, Mayhaw, Pear (including Oriental pear), Quince

Pests Controlled	Rate fluid ounces/Acre
Leafhoppers	4.0 – 8.0
Aphids (except woolly apple aphid) Apple maggot Leafminers San Jose scale	8.0
<b>FOR PEAR, ONLY</b> Mealybugs Pear psylla	20.0
<b>Restrictions</b> Pre-Harvest Interval (PHI): 7 days Minimum interval between applications: 10 days Maximum PROVADO® 1.6 FLOWABLE INSECTICIDE allowed per year: 40.0 fluid ounces/Acre (0.5 lb AI/A) Do not apply pre-bloom or during bloom or when bees are foraging. <b>Applications</b> Applications targeting apple maggot should be combined with manufacturer's specified rate of a sticker.	

**POMEGRANATE**

<b>Pests Controlled</b>	<b>Rate fluid ounces/Acre</b>
Aphids Leafhoppers/Sharpshooters Whiteflies	8.0
<b>Pest Suppressed</b>	
Scales	8.0
<b>Restrictions:</b> Pre-Harvest Interval (PHI): 7 days Minimum interval between applications: 7 days Maximum PROVADO® 1.6 FLOWABLE INSECTICIDE allowed per year: 24.0 fluid ounces/Acre (0.3 lb AI/A) Do not apply pre-bloom or during bloom or when bees are foraging.	

**STONE FRUIT**

**Crops of Crop Group 12 including:** Apricot, Cherry (including sweet and tart), Nectarine, Peach, Plum (including Chickasaw, Damson and Japanese), Plumcot, Prune (fresh and dried)

<b>Pests Controlled</b>	<b>Rate fluid ounces/Acre</b>
Aphids Green June beetle Japanese beetle Leafhoppers/Sharpshooters Plant bugs Rose chafer San Jose scale	4.0 – 8.0
Cherry fruit fly	6.0 - 8.0
<b>Pests Suppressed</b>	
Plum curculio Stink bugs	8.0
<b>Restrictions for Apricot, Nectarine, Peach:</b> Pre-Harvest Interval (PHI): 0 day Minimum interval between applications: 7 days Maximum PROVADO® 1.6 FLOWABLE INSECTICIDE allowed per year: 24.0 fluid ounces/Acre (0.3 lb AI/A) Minimum application volume (water): 50 GPA – ground application; 25 GPA – aerial application. Do not apply pre-bloom or during bloom or when bees are foraging. <b>Restrictions for Cherries, Plums, Plumcot, Prune:</b> Pre-Harvest Interval (PHI): 7 days Minimum interval between applications: 10 days Maximum PROVADO® 1.6 FLOWABLE INSECTICIDE allowed per year: 40.0 fluid ounces/Acre (0.5 lb AI/A) Minimum application volume (water): 50 GPA – ground application; 25 GPA – aerial application Do not apply pre-bloom or during bloom or when bees are foraging.	

**TREE NUTS - except almond**

**Crops of Crop Group 14 except Almond including:** Beechnut, Brazil nut, Butternut, Cashew, Chestnut, Chinquapin, Filbert, Hickory nut, Macadamia nut, Pecan, Pistachio, Walnut [black and English]

<b>Pests Controlled</b>	<b>Rate fluid ounces/Acre</b>
Aphids (except Black pecan aphid) Leafhoppers/Sharpshooters Phylloxera sp. (leaf infestations) Spittlebugs Whiteflies	3.5 – 7.0
Black pecan aphid Mealybugs San Jose scale	8.0
<b>Restrictions</b> Pre-Harvest Interval (PHI): <b>7 days</b> Minimum interval between applications: <b>6 days</b> Maximum PROVADO® 1.6 FLOWABLE INSECTICIDE allowed per year: <b>28.8 fluid ounces/Acre</b> (0.36 lb AI/A) Minimum application volume (water): 50 GPA – ground application, 25 GPA – aerial application Do not apply pre-bloom or during bloom or when bees are foraging. <b>Applications</b> Applications for control of San Jose scale should be timed according to crawler stage, treating each successive generation. Two applications on a 10 to 14-day interval may be required to achieve control.	

**TROPICAL FRUIT**

Including: Acerola, Atemoya, Avocado, Birida, Black sapote, Canistel, Cherimoya, Custard Apple, Feijoa, Jaboticaba, Guava, Llama, Longan, Lychee, Mamey sapote, Mango, Papaya, Passionfruit, Persimmon, Pulasan, Rambutan, Sapodilla, Soursop, Spanish lime, Star apple, Starfruit, Sugar apple, Wax jambu

<b>Pests Controlled</b>	<b>Rate fluid ounces/Acre</b>
Aphids Leafhoppers/Sharpshooters Mealybugs Thrips (foliage feeding thrips only) Whiteflies	8.0
<b>Pest Suppressed</b>	
Scales	8.0
<b>Restrictions</b> Pre-Harvest Interval (PHI): <b>7 days</b> Minimum interval between applications: <b>10 days</b> Maximum PROVADO® 1.6 FLOWABLE INSECTICIDE allowed per year: <b>40.0 fluid ounces/Acre</b> (0.5 lb AI/A) Do not apply pre-bloom or during bloom or when bees are foraging.	

## OTHER CROPS

### Applications - PROVADO® 1.6 FLOWABLE INSECTICIDE

Apply specified rate per acre as a broadcast or directed foliar spray to infested area as pest populations begin to build. Thorough uniform coverage is necessary to achieve optimum control. A spray adjuvant may be used to improve coverage. PROVADO® 1.6 FLOWABLE INSECTICIDE may not knockdown established and heavy insect populations. Two applications may be required to achieve control. Scout fields and retreat if needed. PROVADO® 1.6 FLOWABLE INSECTICIDE may be tank mixed with other insecticides for knockdown of pests or for improved control of other pests.

#### CHRISTMAS TREE

Pests Controlled	Rate fluid ounces/Acre
Aphids Adelgids Sawflies	4.0 - 8.0
<b>Restrictions</b> Minimum interval between applications: <b>7 days</b> Maximum PROVADO® 1.6 FLOWABLE INSECTICIDE allowed per year: <b>40.0 fluid ounces/Acre</b> (0.5 lb AI/A)	
<b>Applications</b> Gall-forming adelgids – time applications to coincide with full bud-swell or first bud-break of earliest bud-breaking trees. Once galls form spraying will be ineffective.	

#### POPLAR/COTTONWOOD<sup>1/</sup>

Including: Members of the genus *Populus* grown for pulp or timber

Pests Controlled	Rate fluid ounces/Acre
Aphids Leaf beetles	4.0 - 8.0
<b>Restrictions</b> Minimum interval between applications: <b>10 days</b> Maximum PROVADO® 1.6 FLOWABLE INSECTICIDE allowed per year: <b>40.0 fluid ounces/Acre</b> (0.5 lb AI/A) Do not apply pre-bloom or during bloom or when bees are foraging.	
<sup>1/</sup> Use not permitted in California unless otherwise directed by state-specific 24(c) labeling.	

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### NET CONTENTS: 1 GALLON

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PRODUCED FOR



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