Bayer CropScience

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%
Contains 1.6 pounds of imidacloprid per gallon.	100.0%

Shake well before using.

EPA Reg. No. 264-763 **EPA Est. No. 3125-MO-001**

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

If swallowed	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If in eyes	• 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. • Call a poison control center or doctor for treatment advice.
If on skin or clothing	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
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.	
Note To Physician: No specific antidote is available. Treat the patient symptomatically.	

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 visiting 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.

DIRECTIONS FOR USE

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

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.

Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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: Triple rinse (or equivalent). Then offer for recycling 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.

Do not apply this product through any type of irrigation system unless it is specified in the “Recommended Application” section.

MIXING INSTRUCTIONS: To prepare the spray, add a portion of the required amount of water to the spray tank and with agitation add Provado® 1.6 Flowable. Complete filling tank with balance of water needed. Maintain sufficient agitation during both mixing and application.

Provado® 1.6 Flowable may also be used with other pesticides and/or fertilizer solutions as recommended under specific crop use directions (see NOTE below). When tank mixtures of Provado® 1.6 Flowable and other pesticides are involved, prepare the tank mixture as recommended above. When pesticide mixtures are needed, add wettable powders first, Provado® 1.6 Flowable, or other flowables second, and emulsifiable concentrates last. Ensure good agitation as each component is added. Do not add the second component in the mixture until the tank contains at least 1/2 of desired amount of water. 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.

NOTE: Test compatibility of the intended tank mixture before adding Provado® 1.6 Flowable 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 redisperse indicates an incompatible mixture that should not be used. For further information, contact your local Bayer CropScience representative.

RESISTANCE: 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. Consult your agricultural advisor for resistance management strategies and recommended pest management practices for your 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.

RECOMMENDED APPLICATIONS

CROP	PEST	RATE PER APPLICATION	
Pome Fruits Apple Crabapple Loquat	**Postbloom Applications:** Aphids (except Wooly apple aphid) Leafminer San Jose scale	2 fl oz per 100 gal	8 fl oz per acre[1]
Mayhaw Pear (oriental) Quince	**Postbloom Applications:** Leafhoppers	1 to 2 fl oz per 100 gal	4 to 8 fl oz per acre[1]

Apply specified dosage as a dilute or concentrate foliar spray as needed after pollination is complete.

For control of rosy apple aphid, apply prior to leafrolling caused by rosy apple aphid.

For first generation leafminer control, make first application as soon as pollination is complete and bees are removed from the orchard. Greatest leafminer control will result from the earliest possible application. For second and succeeding generations of leafminer, optimal control is obtained from applications made early in the adult flight against egg and early instar larvae. A second application may be required 10 days later if severe pressure continues or if generations are overlapping. A single application may result in suppression only. Provado® will not control late stage larvae.

For San Jose Scale, time applications to the crawler stage. Treat each generation.

Apply low rate for low to moderate populations of white apple leafhoppers and high rate for high populations or for other leafhopper species. For late season (preharvest) control of leafhopper species, apply Provado® while most leafhoppers are in the nymphal stage.

Do not apply more than 8 fluid ounces per acre in a single application.

See NOTE below.

Pear	**Postbloom Applications:** Aphid Mealybug Pear psylla San Jose scale	5 fl oz per 100 gal	20 fl oz per acre[1]

Apply specified dosage as a dilute or concentrate foliar spray as needed after pollination is complete.

For optimal control of mealybug use maximum gallonage for tree size applied with ground application equipment. Insure good spray coverage of the trunk and scaffolding limbs or other resting sites of the mealybug.

For San Jose Scale, time applications to the crawler stage. Treat each generation.

Do not apply more than 20 fluid ounces per acre in a single application.

See NOTE below.

NOTE: Allow 10 or more days between applications. Allow at least 7 days between last application and harvest.

Aerial application of Provado® may result in slower activity and reduced control relative to results from ground application. Do not apply during bloom or when bees are present in the orchard. Do not apply more than a total of 40 fluid ounces per acre per year.

1 The amount of Provado® required per acre will depend on tree size and volume of foliage present. The rate per acre is based on a standard of 400 gallons of dilute spray solution per acre for large trees. For example, to calculate the rate for aphid control on smaller trees, multiply 2 fluid ounces times the number of 100 gallons of spray solution required to thoroughly wet, just prior to the point of runoff, one acre of the trees being treated. For concentrate sprays, apply the same amount of product per acre as would be applied in a dilute spray based on tree size and foliage volume.

RECOMMENDED APPLICATIONS		
CROP	**PEST**	**RATE PER APPLICATION**
Cotton	Aphids Fleahopper	2.0 to 3.75 fl oz/A (3.75 fl oz/A west of the Rocky Mountains)
	Apply specified dosage per acre as pests begin to build. Two applications at a 7 to 10 day interval may be required to achieve control. Scout fields and retreat if needed. Apply the lower rate (2.0 fl oz/A) of Provado® in a band by ground equipment during early season when thorough coverage of the plant canopy can be achieved. The lower rate may also be used by air or ground when tank mixing with other effective products (such as Baythroid® or Monitor®) registered for control of the target pest(s).	
	Plant bugs (East of the Rocky Mountains)	2.0 to 3.75 fl oz/A (2.0 fl oz/A for tank mix only)
	Apply specified dosage per acre as pests begin to build. Two applications at a 7 to 10 day interval may be required to achieve control. Scout fields and retreat if needed. Apply the lower rate (2.0 fl oz/A) of Provado® by ground or air only as a tank mix with other effective products (such as Baythroid® or Monitor®) registered for control of the target pest(s).	
	Suppression: Lygus bugs (West of the Rocky Mountains) Whiteflies (including sweet potato/ silverleaf whitefly)	3.75 fl oz/A
	For Lygus, make applications when adults migrate into the cotton field. Provado® is most effective on small instar nymphs (1st to 3rd instar). For Whitefly, begin applications when whitefly adults appear prior to development of nymphs. Make application on a 7-day interval as long as pest pressure continues. For resistance management purposes, switch to a pesticide of alternative chemistry to continue control after a maximum of 5 applications.	
NOTE: Thorough coverage with direct contact of the spray material to the target pests is required for optimum control. For aphids and whiteflies, addition of an organosilicone-based spray adjuvant at a rate not to exceed the adjuvant manufacturer's recommended use rate may improve control. For applications targeted for plant bug control, do not use an organosilicone-based spray adjuvant. Applications made with less than 5 gallons per acre may result in slower activity and/or less overall control from a single application than an application made with higher gallonages. Allow 7 days between applications and 14 days between last application and harvest. Regardless of formulation or method of application, apply no more than 0.5 lb active ingredient of Admire® or Provado® per acre per season, including seed treatment, soil and foliar uses. Do not apply more than a total of 6 field applications per season. Do not graze treated fields after any application of Provado®.		

RECOMMENDED APPLICATIONS		
CROP	**PEST**	**RATE PER APPLICATION**
Potato	Aphids Colorado potato beetle Flea beetles Potato leafhopper Psyllids	3.75 fl oz/A
NOTE: For optimal control, good coverage of the foliage is needed. For aphid, leafhopper, psyllid and fleabeetle control make applications by ground equipment only. For Colorado potato beetle control applications may be made by ground or by air. For aphids, leafhoppers, psyllid, and fleabeetle apply specified dosages as pests begin to build. Two applications at a 7-day interval may be required to achieve control. Scout fields and retreat if needed. Allow at least 7 days between foliar applications. Allow at least 7 days between last application and harvest. A total of 15 fl oz (0.2 lb active ingredient) of Provado® 1.6 Flowable per acre per season may be applied as a foliar spray. For resistance management purposes, a Provado® foliar application following a soil application of Admire® in the same crop is not recommended. **NOTE:** Regardless of formulation or type of application (soil or foliar), do not apply more than a total of 0.31 lb active ingredient of Admire® or Provado® per acre per season.		

RECOMMENDED APPLICATIONS

VEGETABLES – Root, Tuberous and Corm Vegetables [1/2/]

CROP	PEST	RATE PER APPLICATION
Arracacha Arrowroot Artichoke (Chinese and Jerusalem) Beet (garden)[3/] Burdock (edible)[3/] Canna (edible) Carrot[3/] Casava (bitter and sweet)[3/] Celeriac[3/] Chayote (root) Chervil (turnip-rooted)[3/] Chicory[3/] Chufa Dasheen (taro)[3/] Ginger Ginseng Horseradish Leren Parsley (turnip-rooted) Parsnip[3/] Radish[3/] Oriental radish (diakon)[3/] Rutabaga[3/] Salsify Salsify (black)[3/] Salsify (Spanish) Skirret Sweetpotato[3/] Tanier[3/] Tumeric Turnip[3/] Yam bean Yam (true)[3/].	Aphids Flea beetles Leafhoppers Whiteflies (including sweetpotato and silverleaf whitefly)	3.5 fl oz/acre

NOTES AND RESTRICTIONS:

Pre-Harvest Interval (PHI): **7 days**.

Maximum Provado® allowed per 5 day interval: **3.5 fluid ounces/Acre** (0.044 lbs AI/A).

Maximum Provado® allowed per crop season: **3.5 fluid ounces/Acre** (on Radish); **10.5 fluid ounces/Acre** (on other crops).

Maximum Provado® applications per crop season: **1** (on Radish); **3** (on other crops).

Minimum application volume (water): 10.0 GPA – ground, 5.0 GPA – aerial application.

Maximum imidacloprid allowed per crop season: 0.50 lbs AI/Acre, from any formulation, on any row spacing.

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 visiting the treatment area.

APPLICATIONS:

Apply specified rate per acre as foliar spray with ground or aerial equipment as pest populations begin to build. Thorough, uniform coverage is necessary to achieve optimal control. A spray adjuvant may be used to improve coverage. Provado® will not knockdown established heavy aphid or whitefly populations. Provado® may be tank mixed with other insecticides as recommended for knockdown of pests or for improved control of other pests.

For resistance management purposes, a Provado® foliar application following a soil application of Admire® in the same crop is not recommended.

[1/] Use not permitted in California unless otherwise directed by supplemental labeling.

[2/] Not for use on crops grown for seed unless allowed by state-specific supplemental labeling.

[3/] Tops or greens from these crops may be utilized for food or feed.

NOTE: Regardless of the type of application (soil or foliar) or type of formulation, do not apply more than 0.5 lb ai of Admire® or Provado® per acre per year.

RECOMMENDED APPLICATIONS

VEGETABLES -Legumes
(Direct-seed or Transplant) (Except those grown for seed)

CROP	PEST	RATE PER APPLICATION
Edible Podded Beans (Including runner bean, snap bean, wax bean, asparagus bean, Chinese longbean, moth bean, yardlong bean, jackbean) Edible Podded Peas * (Including dwarf pea, edible-podded pea, snow pea, sugar snap pea, jackbean, pigeon pea, soybean (immature seed) and sword bean) Succulent Shelled Beans (Including lima bean (green), broad bean (succulent), blackeyed pea, cowpea, and southern pea) Succulent Shelled Peas * (Including english pea, garden pea, green pea and pigeon pea) Dried Shelled Beans * Dried cultivars of bean (grain, sweet, white, white sweet lupin, field bean, kidney bean, dry lima bean, navy bean, pinto bean, tepary bean, adzuki bean, blackeyed pea, catjang, cowpea, crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean). Dried Shelled Peas * Dried cultivars of pea (dwarf pea, edible-podded pea, english pea, field pea, garden pea, green pea, snow pea, sugar snap pea). Other Beans and Peas * Broad bean (dry), Chicpea (dry), Guar (dry), Lablab bean (dry), Lentil (dry), Pigeon pea (dry).	Aphids Leafhoppers Whiteflies (Including Sweetpotato and Silverleaf whitefly)	**Foliar Application** 3.5 fl oz per acre

FOLIAR APPLICATION

Apply specified dosage as a foliar spray by ground or air application. Apply in sufficient carrier volume to ensure good coverage of the foliage for optimal control. A spray adjuvant may be used to improve coverage.

Aphid Control:. For best results, time application before a damaging population becomes established.

Silverleaf Whitefly Control: Apply specified rate on a 7-day schedule at the first appearance of the whitefly in the crop. Continue applications until whiteflies are no longer infesting the crop.

Provado® 1.6 Flowable will not knock down heavy aphid or whitefly populations. This product may be tank mixed with other pesticides as recommended for control of other pests or for improved control of whitefly. Allow at least 7 days between last application and harvest. Allow at least 7 days between foliar applications.

Do not apply more than a total of 10.5 fluid ounces of Provado® 1.6 Flowable per year as foliar sprays.

For resistance management purposes, a Provado® foliar application following a soil application of other neonicotinoid compounds in the same crop is not recommended.

* Use on peas (edible-podded and succulent) and dried shelled peas and beans not permitted in California unless otherwise directed by supplemental labeling.

NOTE: Regardless of formulation or type of application (soil or foliar), do not apply more than a total of 0.5 lb active ingredient of Admire® or Provado® per acre per season.

RECOMMENDED APPLICATIONS

VEGETABLES - Fruiting Vegetables
(Direct-seed or Transplant) (Except those grown for seed)

CROP	PEST	RATE PER APPLICATION
Eggplant Pepper (Includes Bell, Chili, Cooking, Pimentos and Sweet) Tomato Ground cherry Okra * Pepinos Tomatillo	Aphids Leafhoppers Whiteflies (Including Sweetpotato or Silverleaf whitefly) Colorado potato beetle	**Foliar Application** 3.75 fl oz per acre

FOLIAR APPLICATION

Aphid or Colorado Potato Beetle Control: Apply specified dosage as needed for control. Good coverage of the foliage is necessary for optimal control. A spray adjuvant may be used to improve coverage. For best results, time application before a damaging population becomes established.

Silverleaf Whitefly Control: Apply specified rate on a 5 to 7 day schedule at the first appearance of the whitefly in the crop. Good coverage of the foliage is necessary for optimal control. A spray adjuvant may be used to improve coverage. Continue applications until whiteflies are no longer infesting the crop.

Provado® 1.6 Flowable will not knock down heavy aphid or whitefly populations. This product may be tank mixed with other pesticides as recommended for control of other pests or for improved control of whitefly. Foliar applications may be applied up to and including day of harvest. Allow at least 5 days between foliar applications.

Do not apply more than a total of 18.75 fluid ounces of Provado® 1.6 Flowable per year as foliar sprays (See NOTE).

For resistance management purposes, a Provado® foliar application following a soil application of Admire® in the same crop is not recommended.

NOTE: Regardless of formulation or type of application (soil or foliar), do not apply more than a total of 0.5 lb active ingredient of Admire® or Provado® per acre per season.

* Use not permitted in California unless otherwise directed by supplemental labeling.

RECOMMENDED APPLICATIONS

CROP	PEST	RATE PER APPLICATION
Artichoke, globe *	Artichoke aphid Green peach aphid Leafhoppers	**Foliar Application** 4 - 10 fl oz per acre

FOLIAR APPLICATION

Apply specified dosage as needed for control. Good coverage of the foliage is necessary for optimal control. A spray adjuvant may be used to improve coverage. For best results, time application before a damaging population becomes established.

Allow at least 7 days between last application and harvest.

Allow at least 14 days between foliar applications.

Do not apply more than a total of 40 fl oz/A (0.5 lb ai/A) of Provado® 1.6 Flowable per year as foliar sprays (See NOTE).

For resistance management purposes, a Provado® foliar application following a soil application of Admire® in the same crop is not recommended.

NOTE: Regardless of formulation or type of application (soil or foliar), do not apply more than a total of 0.5 lb active ingredient of Admire® or Provado® per acre per season.

* Use not permitted in California unless otherwise directed by supplemental labeling.

RECOMMENDED APPLICATIONS

VEGETABLES - Cole Crops
(Direct-seed or Transplant) (Except those grown for seed)

CROP	PEST	RATE PER APPLICATION
Broccoli Broccoli, Chinese (*gai lon*) Broccoli raab, (*rapini*) Brussels sprouts Cabbage Cabbage, Chinese mustard (*gai choy*) Cabbage, Chinese (*bok choy, napa*) Cauliflower Collards Kale Kohlrabi Mustard greens Rape greens Turnip tops (leaves)	Aphids Flea beetles Whiteflies (Including Sweetpotato or Silverleaf whitefly)	**Foliar Application** 3.75 fl oz per acre

FOLIAR APPLICATION

Aphid Control: Apply specified dosage as needed for control. Good coverage of the foliage is necessary for optimal control. A spray adjuvant may be used to improve coverage. For best results, time application before a damaging population becomes established.

Silverleaf Whitefly Control: Apply specified rate on a 5 to 7 day schedule at the first appearance of the whitefly in the crop. Good coverage of the foliage is necessary for optimal control. A spray adjuvant may be used to improve coverage. Continue applications until whiteflies are no longer infesting the crop.

Provado® 1.6 Flowable will not knock down heavy aphid or whitefly populations. This product may be tank mixed with other pesticides as recommended for control of other pests or for improved control of whitefly. Allow at least 7 days between last application and harvest. Allow at least 5 days between foliar applications.

Do not apply more than a total of 18.75 fluid ounces of Provado® 1.6 Flowable per year as foliar sprays (See NOTE).

For resistance management purposes, a Provado® foliar application following a soil application of Admire® in the same crop is not recommended.

NOTE: Regardless of formulation or type of application (soil or foliar), do not apply more than a total of 0.5 lb active ingredient of Admire® or Provado® per acre per season.

RECOMMENDED APPLICATIONS

VEGETABLES - Leafy Vegetables (Direct-seed or Transplant) (Except those grown for seed)

CROP	PEST	RATE PER APPLICATION
Amaranth Arugula Chervil Chrysanthemum, Edible-leaved Chrysanthemum, garland Cilantro Corn salad Cress, garden Cress, upland Dandelion Dock (sorrel) Endive (escarole) Lettuce (Head and Leaf) Orach Parsley Purslane, garden Purslane, winter Raddicchio (red chicory) Spinach Spinach, New Zealand Spinach, vine Watercress *	Aphids Flea beetles Whiteflies (Including Sweetpotato or Silverleaf whitefly)	**Foliar Application** 3.75 fl oz per acre

FOLIAR APPLICATION

Aphid Control: Apply specified dosage as needed for control. Good coverage of the foliage is necessary for optimal control. A spray adjuvant may be used to improve coverage. For best results, time application before a damaging population becomes established.

Silverleaf Whitefly Control: Apply specified rate on a 5 to 7 day schedule at the first appearance of the whitefly in the crop. Good coverage of the foliage is necessary for optimal control. A spray adjuvant may be used to improve coverage. Continue applications until whiteflies are no longer infesting the crop.

Provado® 1.6 Flowable will not knock down heavy aphid or whitefly populations. This product may be tank mixed with other pesticides as recommended for control of other pests or for improved control of whitefly. Allow at least 7 days between last application and harvest. Allow at least 5 days between foliar applications.

Do not apply more than a total of 18.75 fluid ounces of Provado® 1.6 Flowable per year as foliar sprays (See NOTE).

For resistance management purposes, a Provado® foliar application following a soil application of Admire® in the same crop is not recommended.

NOTE: Regardless of formulation or type of application (soil or foliar), do not apply more than a total of 0.5 lb active ingredient of Admire® or Provado® per acre per season.

* Use not permitted in California unless otherwise directed by supplemental labeling.

RECOMMENDED APPLICATIONS			
CROP	**PEST**	**RATE PER APPLICATION**	
Citrus (including grapefruit, lemon, orange, calamondin, citron, chironja, tangelo, tangor, kumquat, lime, mandarin, tangerine, pummelo, and satsuma mandarin)	Aphids Black fly Leafminers Mealy bugs Scales Whiteflies Leafhopper (including Sharpshooters) **Suppression:** Thrips	3.5 to 5.0 fl oz per 100 gal (for dilute application)	10 to 20 fl oz per acre (depending on tree size, target pest and infestation pressure)

Make foliar applications as pests begin to build before populations become extreme. Two applications at a 10 - 14 day interval may be required to achieve control. Scout groves and retreat if needed.

Thorough uniform coverage of foliage is necessary for optimal control.

Where "concentrate" applications are appropriate, increase the concentration to apply an equivalent rate per acre to that applied in the "dilute" application.

The 20 fl oz/acre rate is based on full size trees. This rate may be reduced proportionally for smaller trees.

For best results on scales, make applications to each generation crawler stages.

Do not apply during bloom nor within 10 days prior to bloom.

Do not exceed 20 fluid ounces per acre in a single application. Do not apply more than a total of 40 fluid ounces per acre per year.

Allow 10 or more days between applications. Applications may be made up to and including day of harvest.

Addition of an organosilicone-based spray adjuvant at a rate not to exceed the adjuvant manufacturer's recommended use rate may improve coverage.

NOTE: Do not apply more than 40 fl. oz/acre (0.5 lb a.i.) per year.

TREE, VINE AND FRUIT CROPS

RECOMMENDED APPLICATIONS		
BUSH BERRIES *		
CROP	**PEST**	**RATE PER APPLICATION**
Currant Elderberry Gooseberry Huckleberry Juneberry Lingonberry Salal	Aphids Leafhoppers (including Glassywinged sharpshooters)	**Foliar Application** 3 – 4 fl oz per acre
	Thrips Japanese beetle (adults)	6 – 8 fl oz per acre

FOLIAR APPLICATION

Do not apply prior to bloom or during bloom.

Aphid Control and Japanese beetle (adult) control - Apply specified dosage of Provado® in one of the following methods:

- As a ground application in a minimum of 20 gal of water per acre.
- As an aerial application in a minimum of 5 gal of water per acre.

Applications must achieve thorough coverage for optimum control.

Initially, Provado® will provide lethal activity against Japanese beetle adults. As Provado® is absorbed into the foliage, lethal activity will diminish but sub-lethal effects, including "knockdown", will persist for 7-10 days.

Under conditions of heavy beetle pressure, re-infestation, or adverse environmental conditions, reapplication of Provado® 1.6 may be needed. Allow at least 7 days between Provado® treatments. No more than 5 applications of Provado® may be made per season.

Allow 3 days between last application and harvest.

* Use not permitted in California unless otherwise directed by supplemental labeling.

NOTE: Regardless of formulation or application type (foliar or soil), do not apply more than a total of 0.5 lb active ingredient per acre Provado® or Admire® or a combination of Provado® or Admire® per season. Do not apply more than a total of 40 fl oz/acre (0.5 lb ai/acre) per season of Provado® (foliar application).

RECOMMENDED APPLICATIONS

STONE FRUIT *

CROP	PEST	Rate fluid ounces/100 gallons	Rate fluid ounces/Acre
Apricot Nectarine Peach (For other stone fruit crops, see below)	Aphids Green June beetle Japanese beetle Potato leafhopper Rose chafer San Jose scale Tarnished plant bug White apple leafhopper	2.0	4.0 – 8.0
	Pests Suppressed Plum curculio Stink bugs	2.0	8.0

NOTES AND RESTRICTIONS:

Pre-Harvest Interval (PHI): **0 days**

Maximum Provado® allowed per 7-day interval: **8.0 fluid ounces/Acre** (0.10 lbs AI/A).

Maximum Provado® allowed per crop season: **24.0 fluid ounces/Acre** (0.30 lbs AI/A).

Minimum application volume (water): 50 GPA – ground application, 25 GPA – aerial application.

Maximum concentrate rate is based on canopy size requiring 400 gallons per acre, if sprayed to drip.

For concentrate spray application based on tree row-volume/density, do not apply less than 4.0 fluid ounces/A.

APPLICATIONS:

Apply specified rate per acre as foliar spray with ground or aerial equipment after pollination is complete and bees are no longer present in the orchard. Thorough, uniform coverage of fruit and foliage is necessary to achieve optimal control.

Applications targeting San Jose Scale should be timed to the crawler stage. Treat each generation.

The amount of Provado® required per acre will depend on tree size and volume of foliage present. The rate per acre is based on a standard of 400 gallons of dilute spray solution per acre for large trees. For example, to calculate the rate for aphid control on smaller trees, multiply 2 fluid ounces times the number of 100 gallons of spray solution required to thoroughly wet, just prior to the point of runoff, one acre of the trees being treated. For concentrate sprays, apply the same amount of product per acre as would be applied in a dilute spray based on tree size and foliage volume.

* Use not permitted in California unless otherwise directed by supplemental labeling.

RECOMMENDED APPLICATIONS

STONE FRUIT (Continued)*

CROP	PEST	Rate fluid ounces/100 gallons	Rate fluid ounces/Acre
Cherry (sweet and tart) Plum (including Chickasaw, Damson and Japanese) Plumcot Prune (For other stone fruit crops, see above)	Aphids Green June beetle Japanese beetle Potato leafhopper Rose chafer San Jose scale Tarnished plant bug Western cherry fruit fly White apple leafhopper	2.0	4.0 – 8.0
	Pests Suppressed Plum curculio Stink bugs	2.0	8.0

NOTES AND RESTRICTIONS:

Pre-Harvest Interval (PHI): **7 days**

Maximum Provado® allowed per 10-day interval: **8.0 fluid ounces/Acre** (0.10 lbs AI/A).

Maximum Provado® allowed per crop season: **40.0 fluid ounces/Acre** (0.50 lbs AI/A).

Minimum application volume (water): 50 GPA – ground application, 25 GPA – aerial application.

Maximum concentrate rate is based on canopy size requiring 400 gallons per acre, if sprayed to drip.

For concentrate spray application based on tree row-volume/density, do not apply less than 4.0 fluid ounces/A.

APPLICATIONS:

Apply specified rate per acre as foliar spray with ground or aerial equipment after pollination is complete and bees are no longer present in the orchard. Thorough, uniform coverage of fruit and foliage is necessary to achieve optimal control.

Applications targeting San Jose Scale should be timed to the crawler stage. Treat each generation.

Applications targeting fruit fly should begin at adult emergence and continue on a 10 day spray interval through the egg hatch period. Proper application timing and full-labeled rates are critical for optimum performance on this pest.

The amount of Provado® required per acre will depend on tree size and volume of foliage present. The rate per acre is based on a standard of 400 gallons of dilute spray solution per acre for large trees. For example, to calculate the rate for aphid control on smaller trees, multiply 2 fluid ounces times the number of 100 gallons of spray solution required to thoroughly wet, just prior to the point of runoff, one acre of the trees being treated. For concentrate sprays, apply the same amount of product per acre as would be applied in a dilute spray based on tree size and foliage volume.

* Use not permitted in California unless otherwise directed by supplemental labeling.

RECOMMENDED APPLICATIONS

TROPICAL FRUIT *

CROP	PEST	Rate/Acre
Acerola Avocado Canistel Feijoa Jaboticaba	Aphids Leafhoppers Whiteflys (including silverleaf, greenhouse, citrus)	8.0 fluid ounces
Guava Longan Lychee Mamey Sapote Mango Papaya Passionfruit Persimmon Pulasan Rambutan Sapodilla Sapote (Black) Spanish lime Star Apple Starfruit Wax jambu	**PESTS SUPPRESSED** Scales	8.0 fluid ounces

NOTES AND RESTRICTIONS:

Pre-Harvest Interval (PHI): **7 days**

Maximum Provado® allowed per application: **8.0 fluid ounces/Acre** (0.10 lbs AI/A).

Maximum Provado® allowed per season: **40.0 fluid ounces/Acre** (0.50 lbs AI (imidacloprid) /A, regardless of formulation).

Minimum spray interval: **10 days**.

Maximum number of applications per season: **5**.

FOLIAR APPLICATION:

Apply specified dosage of Provado® 1.6 Flowable as a dilute or concentrate foliar spray as needed after pollination is complete. Applications may be made by ground or aerial application equipment. For early-season pests, make first application as soon as pollination is complete and bees (if present) are removed from the treatment area. Begin applications as pest populations begin to build and prior to heavy infestation. Provado® alone may not be adequate for control of existing heavy pest populations. Provado® may be tank mixed with other pesticides as recommended for control of other pests or for improved control of whitefly. Good coverage of the foliage and fruit is necessary for optimal pest control. A spray adjuvant may be used to improve coverage. For late season (pre-harvest) control of leafhoppers, apply Provado® while most leafhoppers are in the nymphal stage.

* Use not permitted in California unless otherwise directed by supplemental labeling.

RECOMMENDED APPLICATIONS

CROP	PEST	Rate/Acre
Strawberry (annual and perennial crops)	Aphids Whiteflys (including sweetpotato or silverleaf whitefly) Spittle bugs	3.75 fl oz per acre

FOLIAR APPLICATION

Do not apply prior to or, during bloom, nor when bees are actively foraging.

Aphid Control: Apply specified dosage as needed for control. Good coverage of the foliage is necessary for optimal control. A spray adjuvant may be used to improve coverage. For best results, time application before a damaging population becomes established.

Silverleaf Whitefly Control: Apply specified rate on a 6-7 day schedule at the first appearance of the whitefly in the crop. Good coverage of the foliage is necessary for optimal control. A spray adjuvant may be used to improve coverage. Continue applications until whiteflies are no longer infesting the crop.

Provado® 1.6 Flowable will not knock down heavy aphid or whitefly populations. This product may be tank mixed with other pesticides as recommended for control of other pests or for improved control of whitefly. Allow at least 7 days between last application and harvest. Allow at least 5 days between foliar applications.

Do not apply more than a total of 11.25 fluid ounces of Provado® 1.6 Flowable per year as foliar sprays.

For resistance management purposes, a Provado® foliar application following a soil application of Admire® in the same crop is not recommended.

* Use not permitted in California unless otherwise directed by supplemental labeling.

NOTE: Regardless of formulation or type of application (soil or foliar), do not apply more than a total of 0.5 lb active ingredient of Admire® or Provado® per acre per season.

RECOMMENDED APPLICATIONS

CROP	PEST	RATE PER APPLICATION
Mango	Thrips	**Foliar Application** 6.6 fl oz per acre

FOLIAR APPLICATION

Apply specified dosage as a dilute or concentrate foliar spray as needed.

Thorough uniform coverage of foliage is necessary for optimal control. Do not apply during bloom or when bees are present in the orchard. Do not apply more than 6.6 fl oz per acre in a single application. Allow 7 or more days between applications.

Do not apply more than a total of 40 fl oz per acre per year. Allow at least 30 days between last application and harvest.

RECOMMENDED APPLICATIONS

CROP	PEST	RATE PER APPLICATION
Christmas Trees	Aphids Adelgids Sawflies	**Foliar Application** 4 to 8 fl oz per acre

FOLIAR APPLICATION

Apply specified dosage as a foliar spray in sufficient carrier to ensure adequate coverage. Thorough, uniform coverage of the foliage is necessary for optimal control. Addition of a spray adjuvant at a rate not to exceed the adjuvant manufacturer's recommended use rate may improve coverage.

For aphids and sawflies, make application as pests begin to build. Two applications at a 7 to 10 day interval may be required to achieve control.

For gall-forming adelgids, time applications to coincide with full bud-swell or first budbreak of earliest bud-breaking trees. Once galls form spraying will be ineffective.

Allow at least 7 days between applications. Do not apply more than 40 fl oz (0.5 lb AI) of Provado® per acre per year.

RECOMMENDED APPLICATIONS		
CROP	**PEST**	**RATE PER APPLICATION**
Hops	Aphids	**Foliar Application** 8 fl oz per acre

Apply specified dosage as a foliar spray by ground or air application in sufficient carrier to ensure good coverage. Thorough uniform coverage of the crop foliage is necessary for optimal control. Addition of an organosilicone-based spray adjuvant at a rate not to exceed the adjuvant manufacturer's recommended use rate may improve coverage.

Allow a minimum of 21 days between applications. Allow at least 28 days between last application and harvest.

Do not apply more than 8 fl oz per acre in a single application. Do not apply more than 24 fl oz per acre per crop season.

RECOMMENDED APPLICATIONS		
CROP	**PEST**	**RATE PER APPLICATION**
Pecan**	Yellow Pecan Aphid Black Margined Aphid Pecan Leaf Phylloxera Pecan Spittlebug Pecan Stem Phylloxera	3.5 to 7.0 fl oz per acre
	Black Pecan Aphid	7 to 14 fl oz per acre

Make foliar applications as pests begin to build before populations become extreme. Two applications at a 10 to 14 day interval may be required to achieve control. Scout orchards and retreat if needed.

Thorough uniform coverage of foliage is necessary for optimal control. Addition of an organosilicone-based spray adjuvant at a rate not to exceed the adjuvant manufacturer's recommended use rate may improve coverage.

Do not apply more than a total of 28 fluid ounces of Provado® per acre per year.

Allow 10 or more days between applications.

For resistance management purposes, a Provado® foliar application following a soil application of Admire® in the same year is not recommended.

** Use not permitted in California unless otherwise directed by supplemental labeling.

NOTE: Regardless of formulation or type of application (soil or foliar), do not apply more than a total of 0.5 lb active ingredient of Admire® or Provado® per acre per season.

RECOMMENDED APPLICATIONS		
CROP	**PEST**	**RATE PER APPLICATION**
Tobacco	Aphids	**Foliar Application** 2 to 4 fl oz per acre
	Fleabeetles Japanese Beetles	4 fl oz per acre

FOLIAR APPLICATION

Apply specified dosage as a broadcast or directed spray to infested area. For optimal control good coverage of the foliage is needed.

Addition of an organosilicone-based spray adjuvant at a rate not to exceed the adjuvant manufacturer's recommended use rate may improve coverage.

Allow at least 7 days between applications. Allow at least 14 days between last application and harvest.

A total of 22 fluid ounces (0.28 lb active ingredient) per acre per year may be applied as a foliar spray.

NOTE: Regardless of formulation or type of application (soil or foliar), do not apply more than a total of 0.5 lb active ingredient of Admire® or Provado® per acre per season.

OBSERVE THE FOLLOWING PRECAUTIONS WHEN SPRAYING 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 determines 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.

Buffer Zone Requirements: **For soil or 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.

Recommendations 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 Recommendations 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.

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 Soil Conservation Service for recommendations in your use area.

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 should be observed.

ROTATIONAL PLANT-BACK INTERVALS*			
IMMEDIATE PLANT-BACK (all crops on this label plus the following crops not on this label)			
Barley Canola Cardoon Chinese celery	Corn (field, sweet & pop *) Celtuce Cranberry * Cucurbits	Florence fennel Leafy petioles * Mustard Seed * Rape seed	Rhubarb Sorghum Sugarbeets Swiss chard Wheat
30-DAY PLANT-BACK			
Cereals (including buckwheat, millet, oats, rice, rye, and triticale)	Soybeans	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.			

* Popcorn, Cranberry, Leafy petioles and Mustard Seed may not be rotated to treated areas in California unless otherwise directed by supplemental labeling.

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

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