228-488 ( 2/18/2014 ( 1/20

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**
**WASHINGTON, D.C. 20460**

OFFICE OF
CHEMICAL SAFETY AND
POLLUTION PREVENTION

Nufarm Americas, Inc.
11901 S. Austin Avenue
Alsip, IL 60803

Subject: Amended label adding pollinator protection language
Product Name: Nuprid 1.6F Insecticide
EPA Reg. No. 228-488
Submission dated January 29, 2014

FEB 18 2014

Dear Ms. Tackema:

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 Dr. Jennifer Urbanski at 703-347-0156 or urbanski.jennifer@epa.gov.

Regards,

Venus Eagle, Product Manager (01)
Insecticide-Rodenticide Branch
Registration Division (7505P)

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GROUP 4A INSECTICIDE

# NUPRID® 1.6F

## INSECTICIDE

FOR CONTROL OF CERTAIN INSECTS INFESTING LISTED CROPS

**ACTIVE INGREDIENT:**

| | |
|---|---|
| Imidacloprid, 1 [(6-Chloro-3-pyridinyl)methyl]-*N*-nitro-2-imidazolidinimine | 17.4% |
| **OTHER INGREDIENTS:** | 82.6% |
| **TOTAL:** | 100.0% |

Contains 1.6 pounds of imidacloprid per gallon

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION – PRECAUCION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

**SEE INSIDE BOOKLET FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS**

**For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300**
**For Medical Emergencies Only, Call (877) 325-1840**

**Manufactured For**
**Nufarm Americas Inc.**
**11901 South Austin Avenue**
**Alsip, IL 60803**

Nufarm

**EPA REG. NO. 228-488**
**EPA EST. NO.**

**SHAKE WELL BEFORE USING**

**NET CONTENTS** _____ **GALS. (** _____ **Liters)**

ACCEPTED
FEB 18 2014
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under:

EPA. Reg. No: 228-488

000228-00488.20140211.AMEND

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## PRECAUTIONARY STATEMENTS
## HAZARDS TO HUMANS AND DOMESTIC ANIMALS
# CAUTION - PRECAUCION

Harmful if absorbed through skin. Harmful if inhaled. Harmful if swallowed. Avoid contact with skin, eyes, or clothing. Wear long-sleeved shirt and long pants, socks, shoes and chemical-resistant gloves. Avoid breathing spray mist.

| FIRST AID | |
|---|---|
| **IF ON SKIN OR CLOTHING** | • Take off contaminated clothing.<br>• Rinse skin immediately with plenty of water for 15 to 20 minutes.<br>• Call a poison control center or doctor for treatment advice. |
| **IF INHALED** | • Move the person to fresh air.<br>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to- mouth if possible.<br>• Call a poison control center or doctor for further treatment advice. |
| **IF SWALLOWED** | • Call a poison control center or doctor immediately for treatment advice.<br>• Have person sip a glass of water if able to swallow.<br>• **DO NOT** induce vomiting unless told to do so by the poison control center or doctor.<br>• **DO NOT** give anything by mouth to an unconscious person. |
| **HOT LINE NUMBER** | |
| Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information. | |
| **NOTE TO PHYSICIAN** | |
| No specific antidote is available. Treat the patient symptomatically. | |

## PERSONAL PROTECTIVE EQUIPMENT (PPE)

**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 or enclosed cabs 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

**Users Should:**

- Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.
- Remove and wash contaminated clothing before reuse.

## 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/plants or weeds. **DO NOT** apply this product or allow it to drift to blooming crops/plants or weeds if bees are foraging 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 groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

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# 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. Pesticide incidents should also be reported to the National Pesticide Information Center at: www.npic.orst.edu or directly to EPA at: beekill@epa.gov

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## 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 responsibility of avoiding spray drift is with the applicator. The applicator is responsible for considering weather-related factors and the interaction of application equipment when making application decisions.

**Mixing and Loading Requirements**

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

**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**

The droplet size is an important factor and can influence drift. Small droplets (<150 – 200 microns) drift to a greater extent than large droplets. Applications typically should be made to deliver the largest droplet range that provides adequate control and coverage. Formation of very small droplets may be minimized by appropriate nozzle selection.

**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.

**Restrictions During Temperature Inversions**

**DO NOT** make aerial or ground applications during temperature inversions. Drift potential is high during temperature inversions. Temperature inversions typically restrict vertical air mixing, which then could cause small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions typically 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.

**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 using this product on erodible soils, employ Best Management Practices for minimizing runoff.

**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.

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This product contains a Group 4A insecticide. Insect biotypes with acquired or inherent resistance to Group 4A may eventually dominate the insect population if Group 4A insecticides are used repeatedly as the predominant method of control for targeted species.

The active ingredient in this product belongs to the neonicotinoid chemical class. Insect pests resistant to other chemical classes have not shown cross-resistance to this product. To maintain susceptibility to this class of chemistry in insect species with high resistance development potential, it is recommended that for each crop season: 1) only a single, soil application of this product be made; 2) foliar applications of products from this same class not be made following a long residual, soil application of this product, or other neonicotinoid products.

Foliar applications of this product 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.

Examples of other Group 4A, neonicotinoid products used as foliar treatments include: Actara, Assail, Calypso, Centric, Clutch, Couraze, Gallant, Impulse, Intruder, Leverage, Passada, Provado, Trimax, Trimax Pro and Venom.

Examples of other Group 4A, neonicotinoid products used as soil treatments include: Admire, Admire Pro, Advise, Alias, Couraze, Cruiser, Gaucho, Macho, Macho Max, Platinum, Venom and Widow.

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://www.irac-online.org/.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any 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.

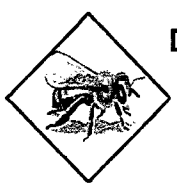
**See individual crops for specific pollinator protection application restrictions. If none exist under the specific crop, for foliar applications, follow these application directions for crops that are contracted to have pollination services or for food/feed crops and commercially grown ornamentals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

**Note to Reviewer:** the two statements in brackets below may be used as they relate to *Tilia* species:

[**DO NOT** apply this product, by any application method, to linden, basswood or other *Tilia* species in the State of Oregon,]

[**DO NOT** apply this product, by any application method, to linden, basswood or other *Tilia* species.]

## 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

## APPLICATION INSTRUCTIONS

Apply 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 this product on leaves and fruit may result in loss of insect control or delay in onset of activity. Apply this product with properly calibrated ground or aerial application equipment. Minimum recommended spray volumes, unless otherwise specified on crop specific application instructions sections, are 1 0 gallons/Acre by ground applications and 5 gallons/Acre through aerial equipment. This product may also be applied by overhead chemigation (see additional CHEMIGATION DIRECTIONS FOR USE section below) if allowed in crop specific application instruction section.

Use of this product on crops grown for production of true seed intended for private or commercial planting is not permitted unless allowed under state specific 24 (c) labeling. Additional information on this product uses for these crops and other questions may be obtained from the Cooperative Extension Service, PCAs, or local Nufarm representatives.

Pre-mix with water or other appropriate diluent prior to application. Keep this product and water suspension agitated to avoid settling.

**DO NOT** apply more than 0.5 lbs active ingredient per acre, per year, regardless of formulation or method of application, unless specified within a crop-specific, Application Instructions section for a given crop.

**Mixing Instructions**

To prepare the application mixture, add a portion of the required amount of water to the tank and then with agitation add this product. Complete filling tank with balance of water needed. Maintain sufficient agitation during both mixing and application. This product may also be used with other pesticides and/or fertilizer solutions. **Please see Compatibility Note below**. When tank mixtures of this product 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 first, then this product and other flowable (suspension concentrate) products 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 Note**

Test compatibility of the intended mixture before adding this product 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 Nufarm representative.

## CHEMIGATION - DIRECTIONS FOR USE

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

**Types of Irrigation Systems**

**For Foliar Application**

Chemigation applications of this product may be made to crops through overhead sprinkler chemigation systems if specified in crop-specific instruction sections. **DO NOT** apply this product through any other type of irrigation system.

**Water Volume**

Make chemigation applications of this product as concentrated as possible. Retention of this product on target site of insect infestation is necessary for optimum activity. **DO NOT** chemigated this product in water volumes exceeding 0.10 inch/Acre.

**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 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.

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**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 the 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:**<br>All crops on this label plus the following crops not on this label: barley, canola, corn (field, pop & sweet), rapeseed, sorghum, sugar beet and wheat. |
| **30-DAY PLANT-BACK:**<br>Cereals (including buckwheat, millet, oats, rice, rye, and triticale), soybeans and safflower |
| **10-MONTH PLANT-BACK:**<br>Onion and bulb vegetables |
| **12-MONTH PLANT-BACK:** All Other Crops |
| * Cover crops for soil building or erosion control may be planted anytime, but do not graze or harvest for food or feed. |

## FIELD CROPS
## APPLICATION RATES

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

### COTTON

| **Pests Controlled** | **Rate<br>fluid ounces/Acre** |
|---|---|
| Aphids<br>Cotton Fleahoppers<br>Plant bugs (excludes Lygus hesperus)<br>Banded-winged whitefly<br>Green stink bug<br>Southern green stink bug<br>Bollworm/Budworm (ovicidal effect) | 2.5 to 5.0 |
| **Pests Suppressed** | |
| Lygus bugs (Lygus hesperus)<br>Whiteflies (other than bandedwinged whitefly) | 3.8 to 5.0 |
| **Restrictions:**<br>Pre-Harvest Interval (PHI): **14 days**<br>Minimum interval between applications: **7 days**<br>Maximum amount allowed per year: **25.0 fluid ounces/Acre** (0.31 lb. AI/A) **DO** | |

**NOT** graze treated fields after any application of this product.

**Applications:**
This product may be applied through properly calibrated ground, aerial or chemigation application equipment.

| Tank Mix Specifications | | |
|---|---|---|
| **Pests Controlled (In addition to pests listed above)** | **This Product Rate fluid ounces/Acre** | **Bidrin® 8* Rate fluid ounces/Acre** |
| **For early season control of:** Thrips | 2.5 to 3.8 | 1.6 to 3.2 |
| **For mid to late season control of:** Plant bugs<br>Stink bugs (including Brown stink bug) Grasshoppers<br>Saltmarsh caterpillar<br>Cotton leafperforator | 2.5 to 3.8 | 4.0 to 8.0 |

**Restrictions (In addition to Restrictions listed above):**
*Refer to the Bidrin® 8 product label for specific use instructions; follow all restrictions and precautions that appear on the label.

## POTATO

| Pests Controlled | Rate fluid ounces/Acre |
|---|---|
| Aphids<br>Colorado potato beetle<br>Flea beetles<br>Fleahoppers<br>Psyllids | 3.8 |

**Restrictions:**
Pre-Harvest Interval (PHI): **7 days**
Minimum interval between applications: **7 days**
Maximum amount allowed per year: **16.0 fluid ounces/Acre** (0.2 lb. AI/A)

## SOYBEANS [1/]

| Pests Controlled | Rate fluid ounces/Acre |
|---|---|
| Aphids<br>Bean leaf beetle<br>Cucumber beetles/Rootworm adults<br>Japanese beetle (adults)<br>Leafhoppers<br>Whiteflies | 3.75 |

**Restrictions:**
Pre-Harvest Interval (PHI): **21 days**
Minimum interval between applications: **7 days**
Maximum amount allowed per year: **11.25 fluid ounces/Acre** (0.14 lb. AI/A)

[1/] Use not permitted in California unless otherwise directed by state specific 24 (c) labeling.

## TOBACCO

| Pests Controlled | Rate fluid ounces/Acre |
|---|---|
| Aphids | 2.0 to 4.0 |
| Flea beetles<br>Japanese beetle | 4.0 |

**Restrictions:**
Pre-Harvest Interval (PHI): **14 days**
Minimum interval between applications: **7 days**

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| Maximum amount allowed per year: **22.4 fluid ounces/Acre** (0.28 lb. AI/A) |
|---|

## VEGETABLE and SMALL FRUIT CROPS
## APPLICATION INSTRUCTIONS

Apply specified rate per acre as a broadcast or directed foliar spray as pest populations begin to build. Thorough uniform coverage is necessary to achieve optimal control. A spray adjuvant may be used to improve coverage. This product may not knock down established and heavy insect populations. Two applications may be required to achieve control. Scout fields and retreat if needed. This product may be tank mixed with other insecticides for knockdown of pests or for improved control of other pests. Crops contained with certain Crop Groups recognized by USEPA are subject to change. Please refer to USEPA website (www.epa.gov) for latest Crop Groups.

### FRUITING VEGETABLES [1/]

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

| Pests Controlled | Rate fluid ounces/Acre |
|---|---|
| Aphids<br>Colorado potato beetle<br>Leafhoppers<br>Whiteflies | 3.8 to 6.2 |
| Pepper weevil | 6.2 |
| **Restrictions:**<br>Pre-Harvest Interval (PHI): **0 days**<br>Minimum interval between applications: **5 days**<br>Maximum amount allowed per crop season: **19.2 fluid ounces/Acre** (0.24 lb. AI/A)<br>**Applications:**<br>For pepper weevil, apply specified dosage of this product by ground equipment only, timing applications prior to a damaging pest population becoming established. Good coverage of foliage and fruit is necessary for optimal control. Applications of this product must be incorporated into a full-season program, where alternations of effective products from multiple classes of chemistry and different modes of actions are utilized in a blocked or windowed approach. For additional information, please contact your Nufarm representative, Extension Specialist or crop advisor. Higher rate should be used when targeting adult whiteflies. | |

[1/] Not for use on crops grown for seed unless allowed by state specific 24 (c) labeling.

### GLOBE ARTICHOKE

| Pests Controlled | Rate fluid ounces/Acre |
|---|---|
| Aphids<br>Leafhoppers | 4.0 to 10.0 |
| **Restrictions:**<br>Pre-Harvest Interval (PHI): **7 days**<br>Minimum interval between applications: **14 days**<br>Maximum amount allowed per year: **40.0 fluid ounces/Acre** (0.50 lb. AI/A) | |

### HERBS

**Crops of Crop Subgroup 19A:** Angelica, Balm (lemon balm), Basil (fresh and dried), Borage, Burnet, Camomile, Catnip, Chervil (dried), Chinese chive, Chive, Clary, Coriander (cilantro or Chinese parsley leaves), Costmary, Culantro (leaf), Curry (loaf), 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<br>Flea Beetles<br>Leafhoppers<br>Whiteflies | 3.5 |
| **Restrictions:** | |

12/20

Pre-Harvest Interval (PHI): **7 days**
Minimum interval between applications: **5 days**
Maximum amount allowed per crop season: **10.5 fluid ounces/Acre** (0.13 lb. AI/Acre)

**Applications:**
This product may be applied 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. The addition of an organosilicone-based spray adjuvant at a rate not to exceed the adjuvant manufacturer's recommended use rate may improve coverage and control.

**Notes:**
Not all crops and/or varieties listed above have been tested for phytotoxic effects. Without specific knowledge about a particular crop and variety, Nufarm strongly recommends that only small areas or numbers of plants of each be treated and evaluated prior to commercial use.

## HEAD and STEM BRASSICA VEGETABLES and LEAF BRASSICA GREENS [1/]

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

## LEAFY GREEN VEGETABLES [1/]

**Crops of Crop Subgroup 4A plus Watercress:** Amaranth (leafy amaranth, Chinese spinach, tampala), Arugula (roquette), 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<br>Fluid ounces/Acre |
|---|---|
| Aphids<br>Flea beetles<br>Leafhoppers<br>Whiteflies | 3.8 |

**Restrictions:**
Pre-Harvest Interval (PHI): **7 days**
Minimum interval between applications: **5 days**
Maximum amount allowed per crop season: **19.2 fluid ounces/Acre** (0.23 lb. AI/A)

**Applications:**
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 application. Applications must be made to fully leafed-up canopies only.

[1/] Not for use on crops grown for seed unless allowed by state specific 24 (c) labeling.

## LEGUME VEGETABLES [1/]

**Crops of Crop Group 6 Except soybean, dry:** Edible Podded and Succulent Shelled Pea and Bean and Dried Shelled Pea and Bean, Bean (Lupinus spp., includes grain lupin, sweet lupin, white lupin, and white sweet lupin), Bean (Phaseolus spp., includes field bean, kidney bean, lima bean, navy bean, pinto bean, runner bean, snap bean, tepary bean, wax bean), Bean (vigna spp., includes adzuki bean, asparagus bean, blackeyed pea, catjang, Chinese longbean cowpea, Crowder pea, moth bean, mung bean, rice bean, Southern pea, urd bean, yardlong bean), Pea (Pisum spp. includes dwarf pea, edible 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<br>fluid ounces/Acre |
|---|---|
| Aphids<br>Leafhoppers<br>Whiteflies | 3.5 |
| **Restrictions:** | |

| |
|---|
| Pre-Harvest Interval (PHI): **7 days**<br>Minimum interval between applications: **7 days**<br>Maximum amount allowed per crop season: **10.5 fluid ounces/Acre** (0.13 lb. AI/A) |

[1/] Not for use on crops grown for seed unless allowed by state specific 24 (c) labeling.

## ROOT, TUBEROUS and CORM VEGETABLES [1/]

**Crops of Crop Group 1 (Except for sugarbeet):** Arracacha, Arrowroot, Artichoke (Chinese and Jerusalem), Beet (garden)[2/], Brudock (edible)[2/], Canna (edible, Queensland arrowroot), Carrot[2/], Cassava (bitter & sweet)[2/], Celeriac[2/], Chayote (root), Chervil (turnip-rooted)[2/], Chicory[2/], Chufa, Dasheen (taro)[2/], Ginger, Ginseng, Horseradish, Leren, Parsley (turnip-rooted), Parsnip[2/], Radish[2/], Oriental radish (daikon)[2/], Rutabaga[2/], Salsify (black)[2/], Salsify (oyster plant), Salsify (Spanish), Skirret, Sweet potato, Tanier (cocoyam)[2/], Turmeric, Turnip[2/], Yam bean (jicama, manoic pea), Yam (true)[2/]

**For applications on potato see Field Crops section for Potato - Foliar**

| Pests Controlled | Rate<br>fluid ounces/Acre |
|---|---|
| Aphids<br>Flea beetles<br>Leafhoppers<br>Whiteflies | 3.5 |
| **Restrictions:**<br>Pre-Harvest Interval (PHI): **7 days**<br>Minimum interval between applications: **5 days**<br>Maximum amount allowed per crop season: **3.5 fluid ounces/Acre** (0.044 lb AI/A) on radish; **10.5 fluid ounces/Acre** (0.13 lb. AI/A) on other crops<br>Maximum applications of this product per crop season: **1** on radish; **3** on other crops. | |

[1/] Not for use on crops grown for seed unless allowed by state specific 24 (c) labeling.
[2/]Tops or greens from these crops may be utilized for food or feed.

## STRAWBERRY

| Pests Controlled | Rate<br>fluid ounces/Acre |
|---|---|
| Aphids<br>Spittlebugs<br>Whiteflies | 3.8 |
| **Restrictions:**<br>Pre-Harvest Interval (PHI): **7 days**<br>Minimum interval between applications: **5 days**<br>Maximum amount allowed per crop season: **11.4 fluid ounces/Acre** (0.14 lb. AI/A)<br>**DO NOT** apply during bloom or within 10 days prior to bloom or when bees are foraging. | |

## TREE, BUSH and VINE CROPS APPLICATION INSTRUCTIONS

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

## BANANA and PLANTAIN

| Pests Controlled | Rate<br>Fluid ounces/Acre |
|---|---|
| Aphids<br>Leafhoppers | 8.0 |

| Thrips | |
|---|---|

**Restrictions:**
Pre-Harvest Interval (PHI): **0 day**
Minimum interval between applications: **14 days**
Maximum amount allowed per year: **40.0 fluid ounces/Acre** (0.5 lb. AI/A)

**Applications:**
Apply specified dosage of this product as a broadcast or directed spray to infested area insuring thorough coverage. This product may be applied through properly calibrated ground or aerial application equipment. Aerial application of this product may result in slower activity and reduced control relative to results from ground application.

Addition of an organosilicone adjuvant at a rate not to exceed 2.0 fluid ounces/100 gallons finished spray solution may improve coverage and pest control.

## BUSHBERRY

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

| Pests Controlled | Rate<br>fluid ounces/Acre |
|---|---|
| Aphids Leafhoppers/Sharpshooters | 3.0 to 4.0 |
| Blueberry maggot<br>Japanese beetles (adults)<br>Thrips (foliage-feeding thrips only) | 6.0 to 8.0 |

**Restrictions:**
Pre-Harvest Interval (PHI): **3 days**
Minimum interval between applications: **7 days**
Maximum amount allowed per year: **40.0 fluid ounces/Acre** (0.5 lb. AI/A)
Maximum number of applications of this product per crop season: **5**
Maximum application volume (water): 20.0 GPA - ground; 5.0 GPA - aerial
**DO NOT** apply pre-bloom or during bloom or when bees are foraging.

## CITRUS

**Crops of Crop Group 10:** 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 listed.

| Pests Controlled | Rate<br>fluid ounces/100 gallons | Rate<br>fluid ounces/Acre |
|---|---|---|
| Aphids<br>Asian citrus psyllid<br>Black fly<br>Leafhoppers/Sharpshooters<br>Leafminers<br>Mealy bugs<br>Scales<br>Whiteflies | 3.5 to 5.0<br>(for dilute applications) | 10.0 to 20.0<br>(depending on tree size, target pest and infestation pressure) |
| **Pests Suppressed** | | |
| Thrips (foliage-feeding thrips only) | 3.5 to 5.0 | 10.0 to 20.0 |

**Restrictions:**
Pre-Harvest Interval (PHI): **0 days**
Minimum interval between applications: **10 days**
Maximum amount allowed per year: **40.0 fluid ounces/Acre** (0.5 lb. AI/A)
**DO NOT** apply during bloom or within 10 days prior to bloom or when bees are foraging.

**Applications:**
Apply specific dosage of this product as a broadcast or directed spray to infested area ensuring thorough coverage. This product may be applied through properly calibrated ground or aerial equipment. Aerial application of this product may result in slower activity and reduced control to results from ground application.
Scales - time applications to the crawler stage. Treat each generation.

Where concentrated applications are appropriate, increase the spray solution concentration to apply an equivalent rate per acre to that applied in the diluted application. The 20.0 fluid ounce/Acre rate is based on full sized trees. This rate may be reduced proportionally for smaller trees.

## COFFEE

| Pests Controlled | Rate fluid ounces/Acre |
|---|---|
| Aphids<br>Leafhoppers<br>Whiteflies | 8.0 |
| **Pests Suppressed** | |
| Scales | 8.0 |

**Restrictions:**
Pre-Harvest Interval (PHI): **7 days**
Minimum interval between applications: **7 days**
Maximum amount allowed per crop season: **40.0 fluid ounces/Acre** (0.5 lb. AI/A)
**DO NOT** apply pre-bloom or during bloom or when bees are foraging.

**Applications:**
Apply specified dosage of this product as a broadcast or directed spray to infested area insuring thorough coverage. This product may be applied through properly calibrated ground or aerial application equipment. Aerial application of this product may result in slower activity and reduced control relative to results from ground application.

## GRAPE

American bunch grape, Muscadine grape and Viniferous grape

| Pests Controlled | Rate fluid ounces/Acre |
|---|---|
| Leafhoppers/Sharpshooters<br>Mealybugs | 3.0 to 4.0 |
| Grapeleaf skeletonizer | 3.8 to 4.0 |

**Restrictions:**
Pre-Harvest Interval (PHI): **0 days**
Minimum interval between applications: **14 days**
Maximum amount allowed per year: **8.0 fluid ounces/Acre** (0.1 lb. AI/A)

**Applications:**
Apply specific dosage of this product as a broadcast or directed spray to infested area ensuring thorough coverage. This product may be applied through properly calibrated ground or aerial equipment.
For application on grapes, use ground application.

## HOPS

| Pests Controlled | Rate Fluid ounces/Acre |
|---|---|
| Aphids | 8.0 |

**Restrictions:**
Pre-Harvest Interval (PHI): **28 days**
Minimum interval between applications: **21 days**
Maximum amount allowed per year: **24.0 fluid ounces/Acre** (0.3 lb. AI/A)

## POME FRUIT

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

| Pests Controlled | Rate fluid ounces/100 gallons | Rate fluid ounces/Acre |
|---|---|---|
| Leafhoppers | 1.0 to 2.0 | 4.0 to 8.0 |

| | | |
|---|---|---|
| Aphids (except woolly apple aphid)<br>Apple maggot<br>Leafminers<br>San Jose scale | 2.0 | 8.0 |
| FOR PEARS ONLY<br>Mealybugs<br>Pear psylla | 5.0 | 20.0 |

**Restrictions:**
Pre-Harvest Interval (PHI): **7 days**
Minimum interval between applications: **10 days**
Maximum of this product allowed per year: **40.0 fluid ounces/Acre** (0.50 lb. AI/A)
**DO NOT** apply pre-bloom or during bloom or when bees are foraging.
**Applications**
Applications targeting apple maggot should be combined with manufacturer's recommended rate of a sticker.

## POMEGRANATE

| Pests Controlled | Rate<br>fluid ounces/Acre |
|---|---|
| Aphids<br>Leafhoppers/Sharpshooters<br>Whiteflies | 8.0 |
| **Pests Suppressed** | |
| Scales | 8.0 |

**Restrictions:**
Pre-Harvest Interval (PHI): **7 days**
Minimum interval between applications: **7 days**
Maximum amount 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:** Apricot, Cherry (including sweet and tart), Nectarine, Peach, Plum (including Chickasaw, Damson and Japanese), Plumcot, Prune (fresh and dried)

| Pests Controlled | Rate<br>fluid ounces/100 gallons | Rate<br>fluid ounces/Acre |
|---|---|---|
| Aphids<br>Green June beetle<br>Japanese beetle<br>Leafhoppers/Sharpshooters<br>Plant bugs<br>Rose chafer<br>San Jose scale | 2.0 | 4.0 to 8.0 |
| Cherry fruit fly | 2.0 | 6.0 to 8.0 |
| **Pests Suppressed** | | |
| Plum curculio<br>Stink bugs | 2.0 | 8.0 |

**Restrictions for Apricot, Nectarine, Peach:**
Pre-Harvest Interval (PHI): **0 days**
Minimum interval between applications: **7 days**
Maximum amount allowed per year: **24.0 fluid ounces/Acre** (0.30 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.
**Restrictions for Cherries, Plums, Plumcot, Prune:**
Pre-Harvest Interval (PHI): **7 days**
Minimum interval between applications: **10 days**
Maximum amount allowed per year: **40.0 fluid ounces/Acre** (0.50 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

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

| Pests Controlled | Rate fluid ounces/Acre |
|---|---|
| Aphids (except Black pecan aphid)<br>Leafhoppers/Sharpshooters<br>*Phylloxera* spp. (leaf infestations)<br>Spittlebugs<br>Whiteflies | 3.5 to 7.0 |
| Black pecan aphid<br>Mealybugs<br>San Jose scale | 8.0 |

**Restrictions:**
**DO NOT** use in Almonds.
Pre-Harvest Interval (PHI): **7 days**
Minimum interval between applications: **6 days**
Maximum amount allowed per year: **28.8 fluid ounces/Acre** (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.

**Applications:**
Time applications for the control of San Jose scale 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

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

| Pests Controlled | Rate fluid ounces/Acre |
|---|---|
| Aphids<br>Leafhoppers/Sharpshooters<br>Mealybugs<br>Thrips (foliage-feeding thrips only)<br>Whiteflies | 8.0 |
| **Pests Suppressed** | |
| Scales | 8.0 |

**Restrictions:**
Pre-Harvest Interval (PHI): **7 days**
Minimum interval between applications: **10 days**
Maximum amount allowed per year: **40.0 fluid ounces/Acre** (0.50 lb. AI/A)
**DO NOT** apply pre-bloom or during bloom or when bees are foraging.

## OTHER CROPS

## APPLICATION INSTRUCTIONS

Apply specified rate per acre as a broadcast or directed foliar spray as pest populations begin to build. Thorough uniform coverage is necessary to achieve optimal control. A spray adjuvant may be used to improve coverage. This product may not knock down established and heavy insect populations. Two applications may be required to achieve control. Scout fields and retreat if needed. This product may be tank mixed with other insecticides for knock down of pests or for improved control of other pests.

## CHRISTMAS TREE

| Pests Controlled | Rate<br>Fluid ounces / Acre |
|---|---|
| Aphids<br>Adelgids<br>Sawflies | 4.0 to 8.0 |

**Restrictions:**
Minimum interval between applications: **7 days**
Maximum amount allowed per year: **40.0 fluid ounces/Acre** (0.50 lb. AI/A)

**Applications:**
Apply specific dosage of this product as a broadcast or directed spray to infested area ensuring thorough coverage. This product may be applied through properly calibrated ground or aerial equipment. Aerial application of this product may result in slower activity and reduced control relative to results from ground application.

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 – FOLIAR [1/]

(Includes members of the genus Populus grown for pulp or timber)

| Pests Controlled | Rate<br>fluid ounces/Acre |
|---|---|
| Aphids<br>Leaf beetles | 4.0 to 8.0 |

**Restrictions:**
Minimum interval between applications: **10 days**
Maximum amount allowed per year: **40.0 fluid ounces/Acre** (0.50 lb. AI/A) **DO NOT** apply pre-bloom or during bloom or when bees are foraging.

[1/] Use not permitted in California unless otherwise directed by state specific 24 (c) labeling.

## 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.

**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 [HANDLING]:**

**[Nonrefillable Containers 5 Gallons or Less]**

**Nonrefillable container. DO NOT** reuse or refill this container. Offer for recycling if available. 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 1/4 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. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers are also disposable by incineration, or, if allowed by State and local authorities, by burning. If burned stay out of smoke.

**[Nonrefillable containers larger than 5 gallons]**

**Nonrefillable container. DO NOT** reuse or refill this container. Offer for recycling if available. Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

**Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

**[Refillable containers larger than 5 gallons]**

**Refillable container.** Refill this container with pesticide only. **DO NOT** reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10% full with water and, if possible, spray all sides while adding water. If practical, agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

**[Refillable containers for return to Nufarm]**

**Refillable container.** Refill this container with pesticide only. **DO NOT** reuse this container for any other purpose. Close all openings and replace all caps. Contact Nufarm's Customer Service Department at 1-800-345-3330 to arrange for return of the empty refillable container.

## WARRANTY DISCLAIMER

**The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE.** UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR

SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

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**If you do not agree with or do not accept any of directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.**

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