STOP - READ THE LABEL BEFORE USE
KEEP OUT OF REACH OF CHILDREN
CAUTION
FOR TRANSPORTATION EMERGENCIES ONLY
CALL CHEMTREC 1-800-424-9300
For MEDICAL and PRODUCT USE INFORMATION
CALL 1-800-356-4647

FIRST AID

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 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 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 OHP, Inc. Emergency Telephone No. 1-800-356-4647. 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.

Net Contents: 5 Pounds (2.27 kg)
ENVIRONMENTAL HAZARDS
This product is highly toxic to aquatic invertebrates. Do not apply directly to water, or to 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. Do not apply this product, by any application method, to linden, basswood or other *Tilia* species.

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.

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 applied by drenching, 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
- Protective eye wear

APPLICATION INFORMATION
**MARATHON 1% Granular Greenhouse and Nursery Insecticide** is for systemic insect control on ornamentals, non-bearing fruit and nut trees, and vegetable transplants in greenhouses, nurseries and interior plantscapes. **MARATHON 1% Granular Greenhouse and Nursery Insecticide** is a systemic product and will be translocated upward within the plant.

To assure optimum effectiveness, the product must be placed by incorporation where the roots of the plant can absorb the active ingredient. Irrigate moderately but thoroughly after application, allowing no leaching and runout from containers for at least three irrigations or 10 days whichever is longer.

### Resistance Management Recommendations
Some insects are known to develop resistance to insecticides after repeated use. As with any insecticide, conform the use of this product to resistance management strategies established for the use area. Consult your Cooperative Extension Service for resistance management strategies and recommended pest management practices for your area.

For resistance management purposes, a foliar application of any chloronicotinyl insecticide following a **MARATHON 1% Granular Greenhouse and Nursery Insecticide** soil application in the same crop is not recommended.

**INCORPORATION:** Incorporation of **MARATHON 1% Granular Greenhouse and Nursery Insecticide** can be achieved by cultivation, irrigation, rainfall, mechanical placement or by using mechanical soil or media mixing equipment.

**WOODY PERENNIALS:** Onset of protection is slower than in herbaceous species. A delay of 2 or more weeks is expected. Longer delays may be expected with larger plants. Make application in advance of expected insect activity.

**BARK MEDIA:** Media with 30% or more bark content when treated with **MARATHON 1% Granular Greenhouse and Nursery Insecticide** may confer a shorter period of protection.

**APPLICATION TO GRASSY AREAS IN NURSERIES**
**MARATHON 1% Granular Greenhouse and Nursery Insecticide** can be used for the control of soil inhabiting pests of grassy areas of nurseries, including Northern and Southern masked chafers, *Cyclocephala borealis*, *C. immaculata*, and/or *C. lurida*; Asiatic garden beetle, *Meladera castanea*; European chafer, *Rhizotrogus majalis*; green June beetle, *Cotinis nitida*; May or June beetle, *Phyllophaga* spp.; Japanese beetle, *Popillia japonica*; Oriental beetle, *Anomala orientalis*, *Euehtheola humilis rugiceps*; billbugs, *Spherophorus* spp.; Annual bluegrass weevil, *Listonotus maculicollis*; black turftgrass ateenius, *Ateleis spreitus*, *Aphodius* spp.; and mole crickets, *Scapteriscus* spp. **MARATHON 1% Granular Greenhouse and Nursery Insecticide** can also be used for suppression of cutworms and chinch bugs. **MARATHON 1% Granular Greenhouse and Nursery Insecticide** can be used as directed on nursery grass in sites such as under or around field or container grown plants, on roadways or other grassy areas in or around nurseries.

The active ingredient in **MARATHON 1% Granular Greenhouse and Nursery Insecticide** has sufficient residual activity so that applications can be made preceding the egg laying activity of the target pests. High levels of control can be achieved when applications are made preceding or during the egg laying period. The need for an application can be based on historical monitoring of the site, previous records or experiences, current season adult trapping or other methods. Optimum control will be achieved when applications are made prior to egg hatch of the target pests, followed by sufficient irrigation or rainfall to move the active ingredient through the thatch.

Do not make applications when grassy areas are waterlogged or the soil is saturated with water. Adequate distribution of the active ingredient cannot be achieved when these conditions exist. The treated grassy area must be in such a condition that the rainfall or irrigation will penetrate vertically in the soil profile.
**Restrictions:**
- Do not use on commercial sod farms.
- Do not apply more than a total of 40 lbs of product (0.4 lbs of active ingredient) per acre per year.

**DIRECTIONS FOR APPLICATIONS TO ORNAMENTALS AND VEGETABLE TRANSPLANTS**

*For systemic insect control on ornamentals, non-bearing fruit and nut trees, and vegetable transplants in greenhouses, nurseries, and interior plant scapes.*

**Restriction For Outdoor Use:** Do not apply this product, by any application method, to linden, basswood, or other *Tilia* species.

<table>
<thead>
<tr>
<th>PEST</th>
<th>USE PATTERN</th>
<th>DOSAGE</th>
<th>APPLICATION DIRECTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Container size</td>
<td>Bulk Application</td>
</tr>
<tr>
<td></td>
<td></td>
<td>inches</td>
<td>Pots/cu. yd. of mix</td>
</tr>
<tr>
<td>Adelgids</td>
<td>Herbaceous Species</td>
<td>2.0 to 3.0</td>
<td>4500 to 3200</td>
</tr>
<tr>
<td>Aphids</td>
<td>Herbaceous Species</td>
<td>3.5 to 5.0</td>
<td>1600 to 1300</td>
</tr>
<tr>
<td>Armored scale</td>
<td>Herbaceous Species</td>
<td>5.5 to 7.0</td>
<td>900 to 400</td>
</tr>
<tr>
<td>(suppression)</td>
<td>Herbaceous Species</td>
<td>8.0 to 10.0</td>
<td>200 to 160</td>
</tr>
<tr>
<td>Japanese beetles</td>
<td>Herbaceous Species</td>
<td>11.0 to 12.0</td>
<td>80 to 60</td>
</tr>
<tr>
<td>(adults)</td>
<td>Woody Perennial Species</td>
<td>2.0 to 3.0</td>
<td>4500 to 3200</td>
</tr>
<tr>
<td>Lacebugs</td>
<td>Woody Perennial Species</td>
<td>3.5 to 5.0</td>
<td>1600 to 1300</td>
</tr>
<tr>
<td>Leaf beetles</td>
<td>Woody Perennial Species</td>
<td>5.5 to 7.0</td>
<td>900 to 400</td>
</tr>
<tr>
<td>(including Elm and Viburnum leaf beetles)</td>
<td>Woody Perennial Species</td>
<td>8.0 to 10.0</td>
<td>200 to 160</td>
</tr>
<tr>
<td>Leafhoppers</td>
<td>Woody Perennial Species</td>
<td>11.0 to 12.0</td>
<td>80 to 60</td>
</tr>
<tr>
<td>(including glassy-winged sharpshooter)</td>
<td>Containerized Greenhouse and Nursery Ornamentals, Vegetable Transplants and Interiorscapes</td>
<td>1 Gallon</td>
<td>260 to 230</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2 Gallon</td>
<td>125 to 100</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 Gallon</td>
<td>70 to 60</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5 Gallon</td>
<td>50 to 30</td>
</tr>
<tr>
<td>Leafminers</td>
<td>Containerized Greenhouse and Nursery Ornamentals, Vegetable Transplants</td>
<td>1 Gallon</td>
<td>260 to 230</td>
</tr>
<tr>
<td>Psyllids</td>
<td>Containerized Greenhouse and Nursery Ornamentals, Vegetable Transplants</td>
<td>2 Gallon</td>
<td>125 to 100</td>
</tr>
<tr>
<td>Root Mealybugs</td>
<td>Containerized Greenhouse and Nursery Ornamentals, Vegetable Transplants</td>
<td>3 Gallon</td>
<td>70 to 60</td>
</tr>
<tr>
<td>Root Weevil Complex (including Black Vine Weevil)</td>
<td>Containerized Greenhouse and Nursery Ornamentals, Vegetable Transplants</td>
<td>5 Gallon</td>
<td>50 to 30</td>
</tr>
<tr>
<td>(including Apopka Weevil, Citrus Root Weevil (larvae only))</td>
<td>Containerized Greenhouse and Nursery Ornamentals, Vegetable Transplants</td>
<td>1 Gallon</td>
<td>260 to 230</td>
</tr>
<tr>
<td>Soft scale</td>
<td>Containerized Greenhouse and Nursery Ornamentals, Vegetable Transplants</td>
<td>2 Gallon</td>
<td>125 to 100</td>
</tr>
<tr>
<td>Thrips (suppression)</td>
<td>Containerized Greenhouse and Nursery Ornamentals, Vegetable Transplants</td>
<td>3 Gallon</td>
<td>70 to 60</td>
</tr>
<tr>
<td>(suppression)</td>
<td>Containerized Greenhouse and Nursery Ornamentals, Vegetable Transplants</td>
<td>5 Gallon</td>
<td>50 to 30</td>
</tr>
<tr>
<td>Whiteflies</td>
<td>Containerized plants grown in flats, on benches, or in beds</td>
<td></td>
<td></td>
</tr>
<tr>
<td>White Grub larvae</td>
<td>Containerized plants grown in flats, on benches, or in beds</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(including Japanese Beetle, Chafers, European Chafer, Oriental Beetle, Asian Garden Beetle)</td>
<td>Containerized plants grown in flats, on benches, or in beds</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1 level tsp of MARATHON 1% Granular Greenhouse and Nursery Insecticide = 4.1 grams 3 teaspoons = 1 tablespoon

1. *Fungus gnat larvae* in the soil will be controlled by incorporation. No adult *Fungus gnat control*. Other foliar insect control is achieved by the uptake of *Marathon 1% Granular Greenhouse and Nursery Insecticide* from a healthy root system translocating the active ingredient up into the plant.

2. *Root Mealybug* control will require a thorough incorporation of containerized media. Coverage is essential for control while minimizing the amount of leachate. Rate: per bulk application.

3. *Citrus Root Weevil*: For use on non-bearing citrus nursery stock.

4. *Thrips* suppression on foliage only. Thrips in buds and flowers will not be suppressed.


6. Non-bearing fruit and nut trees are those trees that will not bear fruit or nuts for one year after application.
For use only on nursery ornamentals

<table>
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<tr>
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<tbody>
<tr>
<td>White Grub larvae (including Japanese Beetle, Masked Chafers, European Chafer, Oriental Beetle, Asiatic Garden Beetle)</td>
<td>Field and Forest Nurseries</td>
<td>Apply as a uniform band on either side of row using a band six (6) inches wider than the actual root ball diameter to be dug. Do not allow bands in adjacent rows to overlap. Use 45 oz. per 1000 ft. of row or 3000 sq. ft. For grub control in areas of turf, apply as a broadcast application using 45 oz. per 3000 sq. ft.</td>
<td>Vegetation in the area to be treated must be mowed to a height of 3 inches or less prior to application. Mowing to the lowest possible height will insure greater consistency of control. Apply May through July. For optimum control, treatment must be followed by rainfall or irrigation.</td>
</tr>
</tbody>
</table>

RESTR ICTIONS

Do not graze treated areas or use clippings from treated areas for feed or forage.

Do not apply to soils which are water-logged, or saturated. This condition will not allow the penetration of water into the root zone of the plants.

Do not over-irrigate or allow excessive runoff to occur following an application of MARATHON 1% Granular Greenhouse and Nursery Insecticide.

Do not exceed a total of 40 lbs of product (0.4 lbs of active ingredient) per acre per year.

Restriction for Outdoor Use: Do not apply this product, by any application method, to linden, basswood or other Tilia species.

Food Crops: Treated areas may be replanted with any crop specified on an imidacloprid label, or with any crop for which a tolerance exists for the active ingredient.

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.

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.

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

Container Handling: Nonrefillable container. Do not re-use or refill this container. Offer for recycling, if available or place in trash or in a sanitary landfill.

Handle and open container in a manner as to prevent spillage. If material is spilled for any reason or cause, carefully contain any spilled material to prevent non-target contamination. Do not walk through spilled material and dispose of as directed for pesticides above. Refer to Precautionary Statements on label for hazards associated with the handling of this material. In spill or leak incidents, keep unauthorized people away. You may contact the OHP, Inc. Emergency telephone number at 1-800-356-4647 or contact Chemtrec at 1-800-424-9300.

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.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, because of manner of use and other factors beyond OHP, Inc.’s control it is impossible for OHP, Inc. to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

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