



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
 Registration Division (H7505C)  
 401 "M" St., S.W.  
 Washington, D.C. 20460

EPA Reg.  
 Number:  
 34704-962

Date of Issuance:  
 OCT 30 2006

Term of Issuance: Conditional

Name of Pesticide Product:  
 LPI Imidacloprid 1.0G

## NOTICE OF PESTICIDE:

Registration  
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Ms. Kelly Herrick  
 Loveland Products, Inc.  
 P. O. Box 1286  
 Greeley, CO 80632-1286

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A). Once a pesticide is registered, however, it is not regarded as permanently acceptable. Registration does not eliminate the need for continual reassessment of pesticides. If the Agency determines that, at any time, additional data are required to maintain in effect an existing registration, the Agency will require submission of such data under FIFRA section (3)(c)(2)(B).

1. Revise the EPA Registration Number to read, "EPA Reg. No. 34704-962".

Signature of Approving Official:

Dani Daniel  
 Insecticide-Rodenticide Branch  
 Registration Division (7505P)

Date:

OCT 30 2006

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2. Submit to the Agency the required one year storage stability (830.6317) study for the proposed product under warehouse conditions. The corrosion characteristics (830.6320) study may be carried out concurrently. It is recommended that observations be made at 0, 3, 6, 9, and 12 months. Submit these studies within eighteen months of the date of this letter.

3. Submit two copies of your final printed label before you release the product for shipment. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitute acceptance of these conditions.

4. Make the following changes to the "Warranty Statement":

- Paragraph 3 rewrite the second sentence beginning with "To the extent allowed" to read as "To the extent consistent with applicable law"...

- Rewrite the beginning of the fifth paragraph as follow: "To the extent consistent with applicable law..."

5. On page 7 of your label under the section "Agricultural Use Requirements", use the Agency's glove requirement for PPE. The glove requirement is as follows:

Chemical resistant gloves made of any waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinylchloride (PVC) or vitron.

A stamped copy of the label is enclosed for your records. If you have any questions regarding this notice, please contact me at (703) 305-5409.

Enclosure:

3 8 9

# LPI IMIDACLOPRID 1.0 G

A systemic insecticide for use on ornamental plants in greenhouses, nurseries and interior plantscapes.

**ACTIVE INGREDIENT:**

Imidacloprid: 1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine ..... 1.0%

**OTHER INGREDIENTS:** ..... 99.0%

**TOTAL:** ..... 100.0%

Contains imidacloprid, the active ingredient used in Marathon®.

## KEEP OUT OF REACH OF CHILDREN CAUTION

| FIRST AID                      |   |
|--------------------------------|---|
| <b>If in eyes:</b>             | Hold eye open and rinse slowly and gently with water for 15-20 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.   |
| <b>If swallowed:</b>           | 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 the poison control center or doctor. Do not give anything by mouth to an unconscious person. |
| <b>If on skin or clothing:</b> | Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.   |

Have the product container 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. **FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-800-301-7976.**

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed or absorbed through skin. Causes eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling.

EPA Reg. No. 34704-

EPA Est. No.

NET CONTENTS:

ACCEPTED  
with COMMENTS  
In EPA Letter Dated:

OCT 30 2006

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No.

34704-962

Manufactured for:



P.O. Box 1286  
Greeley, CO 80632

**PERSONAL PROTECTIVE EQUIPMENT (PPE):**

**Applicators and other handlers must wear:** Long-sleeved shirt and long pants, waterproof gloves and shoes plus socks.

Follow manufacturer's instructions for cleaning/maintaining 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**

**Users 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**

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 wash waters.

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, waterproof gloves and shoes plus socks.

### GENERAL INFORMATION

LPI IMIDACLOPRID 1.0 G will control insects on ornamental plants grown in nurseries and greenhouses. LPI IMIDACLOPRID 1.0 G is a systemic insecticide that is translocated upward within the plant. For best results, LPI IMIDACLOPRID 1.0 G must be applied where the roots of the target plants can absorb the active ingredient. After application, irrigate moderately but thoroughly being sure to avoid leaching and runoff from the container for at least three irrigations or 10 days whichever is longer.

#### Use Precautions:

- Do NOT graze treated areas or use clippings from treated areas for feed or forage.
- Do NOT apply to soils which are waterlogged, or saturated. This condition will not allow penetration of water into the root zone of the plants.
- Do NOT over-irrigate or allow excessive runoff to occur following an application of LPI IMIDACLOPRID 1.0 G.
- Do NOT apply more than 40 lbs. of LPI IMIDACLOPRID 1.0 G per acre per year.
- On plants with a production cycle of less than one year, application is not to exceed a frequency of more than once each 16 weeks for a particular plant. On stock plants and woody crops with a production cycle of greater than one year, application may not exceed once a year.

**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 which the active ingredient have been established, a 12-month plant-back interval should be observed.

**Insect 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 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 LPI IMIDACLOPRID 1.0 G soil application in the same crop is not recommended.

**Woody Perennials:** Protection in woody perennials is slower than in herbaceous species and a delay of 2 or more weeks should be expected, with longer delays for larger plants. Because of this, applications to woody perennials should be made well in advance of expected insect activity.

**Incorporation:** Incorporation of LPI IMIDACLOPRID 1.0 G can be achieved by cultivation, irrigation, rainfall, mechanical placement, or by using mechanical soil or media mixing equipment.

**Bark Media:** LPI IMIDACLOPRID 1.0 G treatments to media with 30 - 50% or more bark content may confer a shorter period of protection.

**APPLICATION TO GRASSY AREAS IN NURSERIES**

**NOTE: LPI IMIDACLOPRID 1.0 G may NOT be used on commercial sod farms.**

LPI IMIDACLOPRID 1.0 G will control soil-inhabiting pests in grassy areas in or around nurseries such as under or around field or container grown plants, on roadways or other grassy areas. 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. Applications may be made preceding the egg laying activity of the target pests and high levels of control may be achieved when applications are made proceeding or during the egg laying period. For best results, make applications prior to egg hatch of the target pests, followed by sufficient irrigation or rainfall to move the active ingredient through the thatch.

**Pests Controlled:**

- |  |  |   |
|--|--|---|
| Annual bluegrass weevil ( <i>Hyperodes</i> spp.)   | Asiatic garden beetle ( <i>Maladera castanea</i> ) | Billbugs ( <i>Spherophorus</i> spp.)          |
| European chafer ( <i>Rhizotroqus majalis</i> )   | Green June beetle ( <i>Cotinis nitida</i> )        | Japanese beetle ( <i>Popillia japonica</i> )  |
| May or June beetle ( <i>Phyllophaga</i> spp.)  | Mole Crickets ( <i>Scapteriscus</i> spp.)          | Oriental beetle ( <i>Anomala orientalis</i> ) |
| Black turfgrass ataenius ( <i>Ataenius spretulus</i> and <i>Aphodius</i> spp.)   |  |   |
| Northern and Southern masked chafers ( <i>Cyclocephala borealis</i> , <i>C. immaculata</i> , and/or <i>C. lurida</i> ) |  |   |

**Pests Supressed:**

- |          |                  |
|----------|------------------|
| Cutworms | Hairy Chinchbugs |
|----------|------------------|

**Grassy Area Use Precautions:**

- Applications must NOT exceed a total of 40 lbs. (0.4 lb of active ingredient) per acre per year.
- Applications should NOT be made when grassy areas are waterlogged or the soil is saturated with water because 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.

## APPLICATION TO ORNAMENTALS GROWN IN FLATS, BENCHES, BEDS AND CONTAINERS

LPI IMIDACLOPRID 1.0 G will suppress or control the following insect pests when applied to ornamentals grown in flats, benches, beds and containers in greenhouses and nurseries.

- |  |  |                                   |
|--|--|-----------------------------------|
| Adelgids   | Aphids   | Armored scale (suppression)       |
| Fungus gnats (larvae only) <sup>1</sup>            | Japanese beetles (adults)  | Lacebugs                          |
| Leafminers   | Mealybugs  | Psyllids                          |
| Root Weevil  | Soft scale   | Thrips (suppression) <sup>3</sup> |
| Whiteflies   | Leaf beetles (including Elm and Viburnum leaf beetles)                               |                                   |
| Leafhoppers (including glassy-winged sharpshooter) | Complex (such as Black Vine Weevil, Apopka Weevil, Citrus Root Weevil <sup>2</sup> ) |                                   |

<sup>1</sup> 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 LPI IMIDACLOPRID 1.0 G from a healthy root system translocating the active ingredient up into the plant.

<sup>2</sup> Citrus Root Weevil: For use on non-bearing citrus nursery stock.

<sup>3</sup> Thrips suppression on foliage only. Thrips in buds and flowers will not be suppressed.

| HERBACEOUS AND WOODY PERENNIAL SPECIES  |                         |                     |                         |                                |             |  |
|---|-------------------------|---------------------|-------------------------|--------------------------------|-------------|--|
| USE PATTERN   | Container Size (inches) | APPLICATION RATE    |                         |                                |             | APPLICATION INSTRUCTIONS   |
|   |                         | Bulk Application    |                         | Topical Application            |             |  |
|   |                         | Pots/cu. yd. of mix | Bulk Rate lbs./cu. Yard | Topical Rate (level teaspoons) | Grams / Pot |  |
| Herbaceous Species<br>(one or two plants per pot)                                     | 2.0 to 3.0              | 4500 to 3200        | 7.0 to 3.5              | 1/8 to 1/4                     | 0.5 to 1.0  | <b>Bulk Rate Application:</b> Mix the required amount of LPI IMIDACLOPRID 1.0 G per cubic yard of medium. Mix thoroughly before filling pots and transplanting.<br><br><b>Topical Application:</b> May be made at transplanting, repotting, or on established containerized plants. Irrigate moderately after application into the root zone. Do not allow significant leaching and runoff for at least 3 irrigations or 10 days, whichever is longer. |
|   | 3.5 to 5.0              | 1600 to 1300        | 3.9 to 3.0              | 1/4 to 1/3                     | 1.0 to 1.4  |  |
|   | 5.5 to 7.0              | 900 to 400          | 1.8 to 1.2              | 1/3 to 1/2                     | 1.4 to 2.0  |  |
|   | 8.0 to 10.0             | 200 to 160          | 10.0 to 0.8             | 1/2 to 2/3                     | 2.0 to 2.7  |  |
|   | 11.0 to 12.0            | 80 to 60            | 0.8 to 0.5              | 2/3 to 1                       | 2.7 to 4.1  |  |
| Woody Perennial Species<br>or<br>Herbaceous Species<br>(Three or more plants per pot) | 2.0 to 3.0              | 4500 to 3200        | 9.0 to 7.0              | 1/4 to 1/3                     | 1 to 1.3    |  |
|   | 3.5 to 5.0              | 1600 to 1300        | 6.0 to 4.0              | 1/3 to 1/2                     | 1.3 to 2.0  |  |
|   | 5.5 to 7.0              | 900 to 400          | 2.5 to 2.0              | 1/2 to 2/3                     | 2.0 to 2.7  |  |
|   | 8.0 to 10.0             | 200 to 160          | 1.5 to 1.0              | 2/3 to 1                       | 2.7 to 4.1  |  |
|   | 11.0 to 12.0            | 80 to 60            | 1.0 to 0.8              | to 1 1/2                       | 4.1 to 6.1  |  |

| CONTAINERIZED PLANTS     |                     |                         |                                |             |   |
|--------------------------|---------------------|-------------------------|--------------------------------|-------------|---|
| Container Size (Gallons) | APPLICATION RATE    |                         |                                |             | APPLICATION INSTRUCTIONS  |
|                          | Bulk Application    |                         | Topical Application            |             |   |
|                          | Pots/cu. yd. of mix | Bulk Rate lbs./cu. Yard | Topical Rate (level teaspoons) | Grams / Pot |   |
| 1                        | 260 to 230          | 5.0 to 2.5              | 1 1/4 to 2 1/2                 | 5 to 10     | For optimum control, make applications prior to egg hatch of the target pest. Irrigate moderately after application to move the active ingredient into the root zone. |
| 2                        | 125 to 100          | 4.4 to 2.2              | 2 1/2 to 5.0                   | 10 to 20    |   |
| 3                        | 70 to 60            | 3.3 to 1.7              | 3 2/3 to 7 1/3                 | 15 to 30    |   |
| 5                        | 50 to 30            | 2.0 to 1.0              | 4 1/2 to 9.0                   | 18.5 to 37  |   |

| ORNAMENTAL PLANTS GROWN IN FLATS, BENCHES OR BEDS |  |
|---|--|
| Application Rate                                  | Application Instructions   |
| Apply 15 ounces per 1000 sq. ft.                  | Apply as a broadcast treatment and incorporate into the soil or media before planting. On established plants, irrigate moderately after application to move the active ingredient into the root zone. Minimize leaching and runoff for at least 3 irrigations or 10 days, whichever is longer. |

1 level tsp. of LPI IMIDACLOPRID 1.0 G = 4.1 grams    3 teaspoons = 1 tablespoon

| FOR CONTROL OF WHITE GRUB LARVAE <sup>†</sup> ON ORNAMENTALS IN FIELD AND FOREST NURSERIES   |  |
|--|--|
| APPLICATION RATE   | APPLICATION INSTRUCTIONS   |
| <p>Use 45 oz. per 1000 sq. ft. of row or 3000 sq. ft.</p> <p>For grub control in areas of turf, apply as a broadcast application using 45 oz. per 3000 sq. ft.</p> | <p>Vegetation in the area to be treated should be mowed to a height of 3 inches or less prior to application. Mowing to the lowest possible height will ensure greater consistency of control.</p> <p>Apply May through July. For optimum control, treatment should be followed by rainfall or irrigation. 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.</p> |
| <p><sup>†</sup> White grub larvae include Japanese beetle, Masked Chafers, European Chafer, Oriental beetle, and Asiatic Garden beetle</p>                         |  |

**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 the product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:**

**[Paper Bags]:** Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**[Plastic Container]:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

For help with any spill, leak, fire or exposure involving this material, call day or night CHEMTREC 1-800-424-9300.



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**CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY**

**BEFORE BUYING OR USING THIS PRODUCT**, read the entire Directions for Use and the following Conditions of Sale and Limitation of Warranty and Liability. By buying or using this product, the buyer or user accepts the following Conditions of Sale and Limitation of Warranty and Liability, which no employee or agent of LOVELAND PRODUCTS, INC. or the seller is authorized to vary in any way

Follow the Directions for Use of this product carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop or other plant injury, ineffectiveness, or other unintended consequences may result from such risks as weather or crop conditions, mixture with other chemicals not specifically identified in this product's label, or use of this product contrary to the label instructions, all of which are beyond the control of LOVELAND PRODUCTS, INC. and the seller. The buyer or user of this product assumes all such inherent risks.

Subject to the foregoing inherent risks, LOVELAND PRODUCTS, INC. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use when the product is used in strict accordance with such Directions for Use under normal conditions of use. EXCEPT AS WARRANTED IN THIS LABEL, THIS PRODUCT IS SOLD AS IS TO THE EXTENT ALLOWED BY APPLICABLE LAW. LOVELAND PRODUCTS, INC. MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ELIGIBILITY OF THIS PRODUCT FOR ANY PARTICULAR TRADE USAGE.

IN THE UNLIKELY EVENT THAT BUYER OR USER BELIEVES THAT LOVELAND PRODUCTS, INC. HAS BREACHED A WARRANTY CONTAINED IN THIS LABEL, BUYER OR USER MUST SEND, TO THE EXTENT REQUIRED BY APPLICABLE LAW, WRITTEN NOTICE OF SUCH CLAIM TO THE FOLLOWING ADDRESS: LOVELAND PRODUCTS, INC., ATTENTION: LAW DEPARTMENT, 7251 WEST 4TH STREET, GREELEY, CO 80634.

TO THE EXTENT ALLOWED BY APPLICABLE LAW, THE BUYER'S OR USER'S EXCLUSIVE REMEDY FOR ANY INJURY, LOSS, OR DAMAGE RESULTING FROM THE HANDLING OR USE OF THIS PRODUCT, INCLUDING BUT NOT LIMITED TO CLAIMS OF BREACH OF WARRANTY OR CONTRACT, NEGLIGENCE, STRICT LIABILITY, OR OTHER TORTS, SHALL BE LIMITED TO ONE OF THE FOLLOWING, AT THE ELECTION OF LOVELAND PRODUCTS, INC. OR THE SELLER: DIRECT DAMAGES NOT EXCEEDING THE PURCHASE PRICE OF THE PRODUCT OR REPLACEMENT OF THE PRODUCT. TO THE EXTENT ALLOWED BY APPLICABLE LAW, LOVELAND PRODUCTS, INC. AND THE SELLER SHALL NOT BE LIABLE TO THE BUYER OR USER OF THIS PRODUCT FOR ANY CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES, OR DAMAGES IN THE NATURE OF A PENALTY.

Marathon<sup>®</sup> is a trademark of Olympic Horticultural Products.