



United States  
Environmental Protection Agency  
Washington, DC 20460

|                                     |              |
|-------------------------------------|--------------|
| <input type="checkbox"/>            | Registration |
| <input type="checkbox"/>            | Amendment    |
| <input checked="" type="checkbox"/> | Other        |

OPP Identifier Number  
246782

Application for Pesticide - Section I

|   |  |   |
|---|--|---|
| 1. Company/Product Number<br>279-3168   | 2. EPA Product Manager<br>G.T. LaRocca   | 3. Proposed Classification<br><input type="checkbox"/> None <input type="checkbox"/> Restricted |
| 4. Company/Product (Name)<br>TALSTAR PL GRANULAR INSECTICIDE  | PM#<br>13  |   |
| 5. Name and Address of Applicant (Include ZIP Code)<br>FMC Corporation<br>1735 Market Street<br>Philadelphia, PA 19103<br><input type="checkbox"/> Check if this is a new address | 6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to:<br>EPA Reg. No. _____<br>Product Name _____ |   |

Section - II

|  |  |
|--|--|
| <input type="checkbox"/> Amendment - Explain below.                            | <input type="checkbox"/> Final printed labels in response to Agency letter dated _____ |
| <input type="checkbox"/> Resubmission in response to Agency letter dated _____ | <input type="checkbox"/> "Me Too" Application.   |
| <input checked="" type="checkbox"/> Notification - Explain below.              | <input type="checkbox"/> Other - Explain below.  |

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

NOTIFICATION OF "ADDITION OF PESTS" AS PER PR Notice 95-2  
OCT 2 1996

Section - III

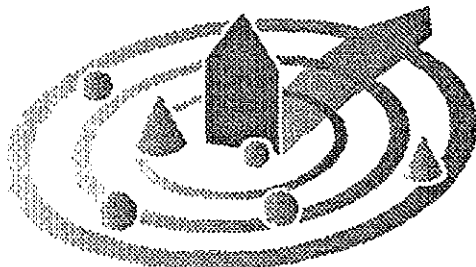
|   |   |  |                   |   |                                  |
|---|---|--|-------------------|---|----------------------------------|
| 1. Material This Product Will Be Packaged In:   |   |  |                   | 2. Type of Container  |                                  |
| Child-Resistant Packaging<br><input type="checkbox"/> Yes*<br><input type="checkbox"/> No   | Unit Packaging<br><input type="checkbox"/> Yes<br><input type="checkbox"/> No | Water Soluble Packaging<br><input type="checkbox"/> Yes<br><input type="checkbox"/> No |                   | <input type="checkbox"/> Metal  | <input type="checkbox"/> Plastic |
| * Certification must be submitted   |   | If "Yes" Unit Packaging wgt.   | No. per container | <input type="checkbox"/> Glass  | <input type="checkbox"/> Paper   |
|   |   | If "Yes" Package wgt   | No. per container | <input type="checkbox"/> Other (Specify) _____  |                                  |
| 3. Location of Net Contents Information<br><input type="checkbox"/> Label <input type="checkbox"/> Container  |   | 4. Size(s) Retail Container  |                   | 5. Location of Label Directions<br><input type="checkbox"/> On Label<br><input type="checkbox"/> On Labeling accompanying product |                                  |
| 6. Manner in Which Label is Affixed to Product<br><input type="checkbox"/> Lithograph<br><input type="checkbox"/> Paper glued<br><input type="checkbox"/> Stenciled |   |  |                   | <input type="checkbox"/> Other _____  |                                  |

Section - IV

|   |   |   |
|---|---|---|
| 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)   |   |   |
| Name<br>Michael C. Zucker   | Title<br>Registration + Label Specialist    | Telephone No. (include Area Code)<br>(609) 951-3073 |
| Certification<br>I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law. |   | 6. Date Application Received<br>(Stamped)           |
| 2. Signature<br>Michael C. Zucker   | 3. Title<br>Registration + Label Specialist |   |
| 4. Typed Name<br>Michael C. Zucker  | 5. Date<br>10/4/96                          |   |

# Talstar®

PL Granular  
Insecticide



Only for sale to, use, and storage by commercial applicators for use to control Ants (including Imported Fire Ants), Mole Crickets and other Insect Pests on lawns in landscaped areas and perimeters around residential, institutional, public, commercial and industrial buildings, parks, recreational areas and athletic fields.

EPA Reg. No. 279-3168

EPA Est. 279-

**Active Ingredient:**

|  |        |
|--|--------|
| Bifenthrin: (2 methyl [1,1'-biphenyl]-3-yl) methyl-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropane carboxylate* ..... | 0.2%   |
| Inert Ingredients .....  | 99.8%  |
|  | 100.0% |

\*Cis isomers 97% minimum, trans isomers 3% maximum.  
U.S. Patent No. 4,238,505

## KEEP OUT OF REACH OF CHILDREN CAUTION

See other panels for additional precautionary information.

### STATEMENT OF PRACTICAL TREATMENT

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritation occurs and persists.

**Note to Physician:**

This product is a pyrethroid. If large amounts have been ingested, milk, cream and other digestible fats and oils may increase absorption and so should be avoided.

For Emergency Assistance Call: (800) 331-3148.

# FMC

FMC Corporation  
Agricultural Products Group  
Philadelphia PA 19103

10/96

## PRECAUTIONARY STATEMENTS Hazards to Humans (and Domestic Animals)

**Caution**

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

## Environmental Hazards

This pesticide is extremely toxic to fish and 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 apply when weather conditions favor drift from treated areas. Drift and run-off from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters or rinsate.

## DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Not for use on plants being grown for sale of other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climate modification and being grown in interior plantscapes, ornamental gardens or parks, or lawns or grounds.

Do not broadcast apply more than 0.4 lbs. a.i. per Acre per Season.

Not for use on golf courses, sod farms, nurseries, commercial greenhouses or grass grown for seed.

## STORAGE AND DISPOSAL

**Prohibitions**

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

**Pesticide Storage**

Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use close tightly.

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. Call FMC: (800) 331-3148.

To confine spill: Cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

**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**

Paper and plastic 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.

## LAWN AND PERIMETER APPLICATIONS

**Perimeter Application:** Apply to ground area 6 to 10 feet wide around and adjacent to the structure.

**Lawn Application:** Broadcast Talstar® PL granular insecticide with suitable application equipment to ensure uniform coverage over the treatment area.

| Application Rates for Talstar PL Granular Insecticide |                     |                                  |  |
|---|---------------------|----------------------------------|--|
| Pest  | lbs. a. i. per acre | lbs. per 1000 sq. ft. Talstar PL | Comments   |
| Ants (including Imported Fire Ants**)                 | 0.2                 | 2.3                              | Use higher rates for extended residual control.<br><br>**Aids in Control.  |
|   | - to -              | - to -                           |  |
| Mole Crickets   | 0.4                 | 4.6                              | For optimum control of Mole Crickets apply during peak egg hatch and irrigate with a minimum of 0.2 inches of water. |
|   | - to -              | - to -                           |  |
| Annual Bluegrass Weevil ( <i>Hyperodes</i> ) (Adult)  | 0.2                 | 2.3                              | ← Added pests  |
| Armyworms   | - to -              | - to -                           |  |
| Billbugs (Adult)                                      | 0.4                 | 4.6                              |  |
| Black Turfgrass Ataenius (Adult)                      |                     |                                  |  |
| Chinch Bugs   |                     |                                  |  |
| Cutworms  |                     |                                  |  |
| Leafhoppers   |                     |                                  |  |
| Mealybugs   |                     |                                  |  |
| Millipedes  |                     |                                  |  |
| Sod Webworm   |                     |                                  |  |
| Sowbugs   |                     |                                  |  |

## Talstar PL Granular Insecticide

### Recommended Spreader Settings for Broadcast Applications

| Equipment                            | Ground Speed (MPH) | Spreader Setting    |            |                     |            |
|--------------------------------------|--------------------|---------------------|------------|---------------------|------------|
|                                      |                    | 100 Pounds per Acre |            | 200 Pounds per Acre |            |
|                                      |                    | Once Over           | Twice Over | Once Over           | Twice Over |
| <b>Hand-Pushed</b>                   |                    |                     |            |                     |            |
| LESCO Rotary                         | 3                  | B + 1/4             | A + 1/2    | C + 1/2             | B + 1/4    |
| Scotts R-8A-1 Rotary                 | 3                  | G                   | E          | Not Rec.            | G          |
| Gandy Model 42H2C                    | 3                  | 8                   | 4-1/2      | 13                  | 8          |
| <b>Equipment Drawn (PTO=540 RPM)</b> |                    |                     |            |                     |            |
| Gandy (8 foot)                       | 4.5                | 17                  | 12-1/2     | 26                  | 17         |
| Lely 2.3202.000.1                    | 4.5                | 2                   | 1          | 3-1/2               | 2          |
| Lely Model L-400                     | 4.5                | Not Rec.            | Not Rec.   | 2                   | Not Rec.   |
| Vicon PS402                          | 4.5                | 10                  | 7          | 16                  | 10         |
| Vicon PS1002T                        | 4.5                | 13                  | 9          | 21                  | 13         |

**Note:** These recommended settings should be used as starting points when calibrating a spreader to achieve the desired application rate of Talstar PL Granular. After calibration, the technician should regularly observe the amount of Talstar PL Granular that is applied to a known area and make further setting adjustments, as necessary, to maintain the appropriate application rate. Spreaders should be calibrated periodically to ensure that equipment wear or other factors have not altered the flow rate of Talstar PL Granular. Calibration instructions are included in the Owner's Manual that was provided by the equipment manufacturer at the time of purchase.

### Dealers Should Sell in Original Packages Only.

**Terms of Sale or Use:** On purchase of this product buyer and user agree to the following conditions:

**Warranty:** FMC makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Except as so warranted, the product is sold as is. Buyer and user assume all risk of use and/or handling and/or storage of this material when such use and/or handling and/or storage is contrary to label instructions.

**Directions and Recommendations:** Follow directions carefully. Timing, method of application and weather conditions, mixture with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the seller and are assumed by the buyer at his own risk.

**Use of Product:** FMC's recommendations for the use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice.

**Damages:** Buyer's or user's exclusive remedy for damages for breach of warranty or negligence shall be limited to direct damages not exceeding the purchase price paid and shall not include incidental or consequential damages.

## INDUSTRIAL NON-AGRICULTURAL APPLICATIONS

(Including Industrial Sites, Parks, Ball Fields and Cemeteries)

**Broadcast Spot Applications:** For the control of actively foraging ants (including Imported Fire Ants) broadcast uniformly 2.25 to 4.5 lbs. Talstar PL granular insecticide per 1000 sq. ft. (0.2 to 0.4 lbs. a.i./Acre). See comments section under Lawn Applications for additional rate recommendations.

**Pad Mounted Electrical Sites:** To reduce or prevent ant mound building activity on electrical pads, uniformly distribute 1.0 to 1.5 Tablespoons (0.06 to 0.09 lbs.) of Talstar PL granular insecticide per 4 sq. ft. of mounting pad. Where existing transformers are completely or partially filled with soil excavated by resident ants, remove any excess fill and level the remaining soil prior to application. Food utensils such as tablespoons must not be used for food purposes after use in measuring pesticides.

**Note:** Electrical transformers appear to be more attractive to ants during the cooler months. For best results treat in the Fall or early Spring.

Talstar and **FMC**—FMC Trademarks

(1686-6/17/96)