

59639-114

12/30/2008

1/21



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

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Ms. Julie Schlekau  
Federal Registrations Manager  
Registration & Regulatory Affairs  
Valent U.S.A Corp.  
1101 14<sup>th</sup> Street, N.W., Suite 150  
Washington, DC 20005

DEC 30 2008

Dear Ms. Schlekau,

Subject: Label Amendment  
Esteem Ant Bait  
EPA Reg. No. 59639-114  
Submission dated October 22, 2008

The label amendment above, submitted in connection with registration under the Federal Insecticide, Rodenticide, and Fungicide Act, as amended, is acceptable. A stamped copy of the label is enclosed for your records.

Please contact Kevin Sweeney, at (703) 305-5063 if you have any questions. Thank you for your cooperation in this matter.

Sincerely,

A handwritten signature in black ink, appearing to read "Richard Gebken".

Richard Gebken  
Product Manager 10  
Insecticide Branch  
Registration Division (7505P)

Enclosure



**ACCEPTED**

**DEC 30 2008**

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
Registered under  
EPA Reg. No. 59639-114

|       |           |             |
|-------|-----------|-------------|
| GROUP | <b>7C</b> | INSECTICIDE |
|-------|-----------|-------------|

[MASTER LABEL]

# ESTEEM<sup>®</sup> ANT BAIT

## (Insect Growth Regulator)

|                         |               |
|-------------------------|---------------|
| Active Ingredient       | By Wt.        |
| *Pyriproxyfen .....     | 0.50%         |
| Other Ingredients ..... | <u>99.50%</u> |
| Total .....             | 100.00%       |

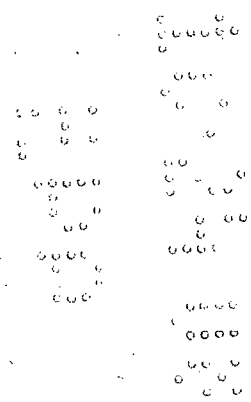
\*2-[1-methyl-2-(4-phenoxyphenoxy) ethoxy] pyridine

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**SEE NEXT PAGE FOR ADDITIONAL PRECAUTIONARY STATEMENTS**

**NET CONTENTS \_\_\_\_\_ POUNDS**



3/21

[Sub Label 1]

ESTEEM ANT BAIT (Insect Growth Regulator)  
For use on Ornamental and Nursery Crops

4/21



GROUP 7C INSECTICIDE

# ESTEEM<sup>®</sup> ANT BAIT (Insect Growth Regulator)

|                         |         |
|-------------------------|---------|
| Active Ingredient       | By Wt.  |
| *Pyriproxyfen .....     | 0.50%   |
| Other Ingredients ..... | 99.50%  |
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\*2-[1-methyl-2-(4-phenoxyphenoxy) ethoxy] pyridine

KEEP OUT OF REACH OF CHILDREN

## CAUTION

SEE NEXT PAGE FOR ADDITIONAL PRECAUTIONARY STATEMENTS

NET CONTENTS \_\_\_\_\_ POUNDS

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS & DOMESTIC ANIMALS**

**CAUTION**

Harmful if absorbed through skin, inhaled or swallowed. Causes moderate eye irritation. Avoid contact with skin, clothing or eyes. Avoid breathing dust.

**FIRST AID**

- If on skin:**
  - 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.
  
- If inhaled:**
  - Move person to fresh air.
  - If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.
  - Call a poison control center or doctor for further 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 in eyes:**
  - 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.

**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 **800-892-0099** for emergency medical treatment information.

**PERSONAL PROTECTIVE EQUIPMENT (PPE):**

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

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

**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.

6/21

**ENVIRONMENTAL HAZARDS:**

This pesticide is 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. Drift and runoff 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.

**READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.**

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.

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 over long-sleeved shirt and long pants, waterproof gloves and socks plus shoes.

**NON-AGRICULTURAL USE REQUIREMENTS**

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

For other uses, do not enter treated areas until any dusts have settled.

7/21

**DISCLAIMER, RISKS OF USING THIS PRODUCT,  
LIMITED WARRANTY  
AND LIMITATION OF LIABILITY**

**IMPORTANT:** Read the entire Label including this Disclaimer, Risks of Using this Product, Limited Warranty, and Limitation of Liability before using this product. If the terms are not acceptable THEN DO NOT USE THE PRODUCT; rather, return the unopened product within 15 days of purchase for a refund of the purchase price.

**RISKS OF USING THIS PRODUCT**

The Buyer and User (referred to collectively herein as "Buyer") of this product should be aware that there are inherent unintended risks associated with the use of this product which are impossible to eliminate. These risks include, but are not limited to, injury to plants and crops to which this product is applied, lack of control of the target pests or weeds, resistance of the target pest or weeds to this product, injury caused by drift, and injury to rotational crops caused by carryover in the soil. Such risks of crop injury, non-performance, resistance or other unintended consequences are unavoidable and may result because of such factors as weather, soil conditions, disease, moisture conditions, irrigation practices, condition of the crop at the time of application, presence of other materials either applied in the tank mix with this product or prior to application of this product, cultural practices or the manner of use or application, (or a combination of such factors) all of which are factors beyond the control of Valent. The Buyer should be aware that these inherent unintended risks may reduce the harvested yield of the crop in all or a portion of the treated acreage, or otherwise affect the crop such that additional care, treatment and expense are required to take the crop to harvest. If the Buyer chooses not to accept these risks, THEN THIS PRODUCT SHOULD NOT BE APPLIED. By applying this product Buyer acknowledges and accepts these inherent unintended risks TO THE FULLEST EXTENT ALLOWED BY LAW, AGREES THAT ALL SUCH RISKS ASSOCIATED WITH THE APPLICATION AND USE ARE ASSUMED BY THE BUYER.

Valent shall not be responsible for losses or damages (including, but not limited to, loss of yield, increased expenses of farming the crop or such incidental, consequential or special damages that may be claimed) resulting from use of this product in any manner not set forth on the label. Buyer assumes all risks associated with the use of this product in any manner or under conditions not specifically directed or approved on the label.

**LIMITED WARRANTY**

Valent warrants only that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the label, under average use conditions, when used strictly in accordance with the label and subject to the Risks of Using This Product as described above. To the extent consistent with applicable law AND AS SET FORTH ABOVE, VALENT MAKES NO OTHER WARRANTIES, EITHER EXPRESSED OR IMPLIED. No agent or representative of Valent or Seller is authorized to make or create any other express or implied warranty.

**LIMITATION OF LIABILITY**

To the fullest extent allowed by law, shall Valent or Seller is not liable for any incidental, consequential, indirect or special damages resulting from the use or handling of this product. The limitation includes, but is not limited to, loss of yield on all or any portion of the treated acreage, increased care, treatment or other expenses required to take the crop to harvest, increased finance charges or altered finance ratings, emotional or mental distress and/or exemplary damages. TO THE FULLEST EXTENT ALLOWED BY LAW, THE EXCLUSIVE REMEDY OF THE BUYER, AND THE EXCLUSIVE MAXIMUM LIABILITY OF VALENT OR SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT SHALL BE THE RETURN OF THE PURCHASE PRICE OF THIS PRODUCT OR, AT THE ELECTION OF VALENT OR SELLER, THE REPLACEMENT OF THE PRODUCT.

**PROMPT NOTICE OF CLAIM**

To the extent consistent with applicable law allowing such requirements, Valent must be provided notice as soon as Buyer has reason to believe it may have a claim, but in no event later than twenty-one days from date of planting, or twenty-one days from the date of application, whichever is latter, so that an immediate inspection of the affected property and growing crops can be made.

To the extent consistent with applicable law, if Buyer does not notify Valent of any claims, in such period, it shall be barred from obtaining any remedy.

**NO AMENDMENTS**

Valent and Seller offer this product, and Buyer accepts it, subject to the foregoing Disclaimer, Risks of Using This Product, Limited Warranty and Limitation of Liability, which may not be modified by any oral or written agreement.

**TANK MIXES**

**NOTICE:** Tank mixing or use of this product with any other product which is not specifically and expressly authorized by the label shall be the exclusive risk of user, applicator and/or application advisor, to the extent allowed by applicable law.

Read and follow the entire label of each product to be used in the tank mix with this product.

### RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management purposes, Esteem<sup>®</sup> Ant Bait is a group 7C insecticide. Any insect population may contain individuals naturally resistant to *Esteem* Ant Bait and other 7C insecticides. The resistant individuals dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by *Esteem* Ant Bait or other 7C group insecticides, although local experts should be consulted for local resistance recommendations. The classification scheme is based on mode of action. It is recognized that resistance of insects and mites to insecticides and acaricides can also result from enhanced metabolism, reduced penetration or behavioral changes that are not linked to any site of action classification but are specific for individual chemicals or chemical groupings. Despite this, alternation of compounds from different chemical classes remains a viable management technique.

To delay insecticide resistance

- Avoid exclusive repeated use of insecticides from the same chemical subgroup.
- Integrate other control methods (chemical, cultural, biological) into insect control programs.

For further information contact your local distributor.

### GENERAL INFORMATION

- **Do not apply this product through any type of irrigation system.**

*Esteem* Ant Bait is an Insect Growth Regulator similar to naturally occurring insect growth hormones which interfere with (stops) their growth or development. *Esteem* Ant Bait breaks the reproductive life cycle of the ants, causing starvation of the colony. *Esteem* Ant Bait is a slow acting, highly effective ant control product. Worker ants pick up the bait granules and take them back to the colony. Workers feed the bait to both the queen and the immature ants thereby preventing worker replacement. Due to degeneration of reproductive organs, the ant queen cannot replace workers. The lack of worker ant replacement results in colony death as the existing worker ants age and die. Within 3 to 4 weeks there is substantial colony mortality and within 8 weeks the majority of the colony population has been eliminated.



**WHERE TO USE**

For best results, follow directions for specific use areas.

- This product may be used in the following areas: Indoor and outdoor container or field grown ornamentals in commercial nurseries (including trees, shrubs, flowers, evergreens, foliage plants and ground covers); ornamental tree farms; conifers and conifer nurseries; sod farms.
- Bearing and non-bearing fruit and nut trees in commercial nurseries and tree farms.
- Residential/domestic sites, defined as areas associated with the household or home life; including, but not limited to, apartment complexes, condominiums and patient care areas of nursing homes, mental institutions, hospitals or convalescent homes.
- Uncultivated, non-agricultural areas, including airports, roadsides, highway rights-of-way, utility rights-of-way, campgrounds and industrial sites.
- Institutional sites defined as areas around properties or facilities providing a service to public or private organizations including, but not limited to, hospitals, nursing homes, schools, universities, colleges, museums, libraries, sport facilities, golf courses and office buildings.

| PESTS   | PRODUCT RATES PER ACRE   | SPECIAL INSTRUCTIONS  |
|---|--|---|
| <p>Ants<br/>                     Bigheaded Ant<br/>                     Imported Fire Ant<br/>                     Native Fire Ant<br/>                     Pavement Ant<br/>                     Red Imported Fire Ant<br/>                     Southern (California) Fire Ant</p> | <p>Broadcast<br/>                     1.0 to 1.5 lbs</p> <p>Individual Mound Treatment<br/>                     1 to 4 level Tbsps</p> | <p><b>Broadcast or Aerial Application:</b> Apply uniformly with ground or aerial equipment calibrated to give the correct dosage. Repeat after 12 to 16 weeks if needed.</p> <p><b>WHEN TO APPLY</b><br/>                     Apply <i>Esteem</i> Ant Bait in the early Spring or Summer at the first sign of ant activity. Applications may be made any time of the day but are more effective when ants are actively foraging, usually when the soil temperature is above 60°F. Avoid application if rain is expected within 4 to 6 hours. Do not water treated area for 24 hours after application. In the event of prolonged rains after initial treatment, reapplication may be necessary.</p> <p>Fall applications of <i>Esteem</i> Ant Bait may also be made and will provide extended control into the next season. Make applications before soil temperature falls below 60°F.</p> <p>A second application of <i>Esteem</i> Ant Bait may be advisable after 12 to 16 weeks in areas of heavy infestations, or when the mounds remain active, or when a reinfestation occurs. In large mounds, some worker ants may persist for a while after the queen is dead. For 7 to 10 days after treatment, do not apply any other ant pesticide. This is to allow sufficient time for the worker ants to seek out the bait and take it back to the mound. After 14 days, it may be desirable to apply a registered ant pesticide to kill remaining foraging ants.</p> <p>In areas with heavy infestations of ants, individual mounds may be treated with a contact insecticide after a broadcast application of <i>Esteem</i> Ant Bait. Wait at least 7 to 10 days after application, and then apply Orthene® Turf Tree &amp; Ornamental Spray to individual mounds according to the label.</p> <p><b>Individual Mound Treatment</b><br/>                     Do not disturb the mound. Do not apply to top of mounds. Apply 1 to 4 level Tbsps. of <i>Esteem</i> Ant Bait per mound, uniformly distributing material 3 to 4 ft. around the mound. Repeat after 12 to 16 weeks if needed.</p> |

10/21

## STORAGE AND DISPOSAL

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

### PESTICIDE STORAGE

Store in a cool dry place.

Keep pesticide in original container.

Keep container closed when not in use.

Do not put concentrate or dilute into food or drink containers.

Not for storage in or around the home.

For help with any spill, leak, fire or exposure involving this material, call day or night 800-892-0099.

### 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

Nonrefillable outer bag. Do not reuse or refill the outer bag. 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.

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*Esteem* is a registered trademark of Valent U.S.A. Corporation  
Orthere is a registered trademark of OMS Investments, Inc.

Manufactured for:

**Valent U.S.A. Corporation**

P.O. Box 8025

Walnut Creek, CA 94596-8025

[www.valentpro.com](http://www.valentpro.com)

Made in U.S.A.

EPA Reg. No. 59639-114

EPA Est. No. \_\_\_\_\_

059639-00114.20081022.EAB.AMEND

11/21

[Sub Label 2]

ESTEEM ANT BAIT (Insect Growth Regulator)  
For use on Agricultural Turf and Food Crops

12/21



GROUP 7C INSECTICIDE

# ESTEEM<sup>®</sup> ANT BAIT (Insect Growth Regulator)

|                         |         |
|-------------------------|---------|
| Active Ingredient       | By Wt.  |
| *Pyriproxyfen .....     | 0.50%   |
| Other Ingredients ..... | 99.50%  |
| Total .....             | 100.00% |

\*2-[1-methyl-2-(4-phenoxyphenoxy) ethoxy] pyridine

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

SEE NEXT PAGE FOR ADDITIONAL PRECAUTIONARY STATEMENTS

NET CONTENTS \_\_\_\_\_ POUNDS

13/21

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS & DOMESTIC ANIMALS**  
**CAUTION**

Harmful if absorbed through skin, inhaled or swallowed. Causes moderate eye irritation. Avoid contact with skin, clothing or eyes. Avoid breathing dust.

**FIRST AID**

- If on skin:**
- 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.
- If inhaled:**
- Move person to fresh air.
  - If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.
  - Call a poison control center or doctor for further 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 in eyes:**
- 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.

**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 **1-800-892-0099** for emergency medical treatment information.

**PERSONAL PROTECTIVE EQUIPMENT (PPE):**

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

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

**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.

14/21

**ENVIRONMENTAL HAZARDS:**

This pesticide is 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. Drift and runoff 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.

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**DISCLAIMER, RISKS OF USING THIS PRODUCT,  
LIMITED WARRANTY  
AND LIMITATION OF LIABILITY**

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**RISKS OF USING THIS PRODUCT**

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**LIMITATION OF LIABILITY**

To the fullest extent allowed by law, Valent or Seller is not liable for any incidental, consequential, indirect or special damages resulting from the use or handling of this product. The limitation includes, but is not limited to, loss of yield on all or any portion of the treated acreage, increased care, treatment or other expenses required to take the crop to harvest, increased finance charges or altered finance ratings, emotional or mental distress and/or exemplary damages. TO THE FULLEST EXTENT ALLOWED BY LAW, THE EXCLUSIVE REMEDY OF THE BUYER, AND THE EXCLUSIVE MAXIMUM LIABILITY OF VALENT OR SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT SHALL BE THE RETURN OF THE PURCHASE PRICE OF THIS PRODUCT OR, AT THE ELECTION OF VALENT OR SELLER, THE REPLACEMENT OF THE PRODUCT.

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**TANK MIXES**

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Read and follow the entire label of each product to be used in the tank mix with this product.

### RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management purposes, Esteem<sup>®</sup> Ant Bait is a group 7C insecticide. Any insect population may contain individuals naturally resistant to *Esteem* Ant Bait and other C insecticides. The resistant individuals dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by *Esteem* Ant Bait or other 7C group insecticides, although local experts should be consulted for local resistance recommendations. The classification scheme is based on mode of action. It is recognized that resistance of insects and mites to insecticides and acaricides can also result from enhanced metabolism, reduced penetration or behavioral changes that are not linked to any site of action classification but are specific for individual chemicals or chemical groupings. Despite this, alternation of compounds from different chemical classes remains a viable management technique.

To delay insecticide resistance

- Avoid exclusive repeated use of insecticides from the same chemical subgroup.
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For further information contact your local distributor.

### GENERAL INFORMATION

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*Esteem* Ant Bait is an Insect Growth Regulator similar to naturally occurring insect growth hormones which interfere with (stops) their growth or development. *Esteem* Ant Bait breaks the reproductive life cycle of the ants, causing starvation of the colony. *Esteem* Ant Bait is a slow acting, highly effective ant control product. Worker ants pick up the bait granules and take them back to the colony. Workers feed the bait to both the ant queen and the immature ants thereby preventing worker replacement. Due to degeneration of reproductive organs, the queen cannot replace workers. The lack of worker ant replacement results in colony death as the existing worker ants age and die. Within 3 to 4 weeks there is substantial colony mortality and within 8 weeks the majority of the colony population has been eliminated.



17/21

### NON CROP AREAS

Agricultural sites, defined as areas associated with the farm, such as: The areas around farm houses, barns, agricultural equipment and farm irrigation equipment.

| PESTS   | PRODUCT RATES PER ACRE | SPECIAL INSTRUCTIONS   |
|---|------------------------|--|
| <p>Ants</p> <ul style="list-style-type: none"> <li>Big-Headed Ant</li> <li>Imported Fire Ant</li> <li>Native Fire Ant</li> <li>Pavement Ant</li> <li>Red Imported Fire Ant</li> <li>Southern (California) Fire Ant</li> </ul> | <p>1.0 to 2.0 lbs</p>  | <p><b>Broadcast or Aerial Application:</b> Apply uniformly with ground or aerial equipment calibrated to give the correct dosage. Repeat after 12 to 16 weeks if needed.</p> <p><b>WHEN TO APPLY</b><br/> Apply <i>Esteem</i> Ant Bait in the early Spring or Summer at the first sign of ant activity. Applications may be made any time of the day but are more effective when ants are actively foraging, usually when the soil temperature is above 60° F. Avoid application if rain is expected within 4 to 6 hours. Do not water treated area for 24 hours after application. In the event of prolonged rains after initial treatment, reapplication may be necessary.</p> <p>A second application of <i>Esteem</i> Ant Bait may be advisable after 12 to 16 weeks in areas of heavy infestations, or when the mounds remain active, or when a reinfestation occurs. In large mounds, some worker ants may persist for a while after the queen is dead. For 7 to 10 days after treatment, do not apply any other ant pesticide. This is to allow sufficient time for the worker ants to seek out the bait and take it back to the mound. After 14 days, it may be desirable to apply a registered ant pesticide to kill remaining foraging ants.</p> <p><b>Individual Mound Treatment:</b> Apply 2 to 4 level Tbsps of <i>Esteem</i> Ant Bait per mound, uniformly distributing material 3 to 4 ft around the mound. Do not disturb the mound. Do not apply to top of mounds. Repeat after 12 to 16 weeks if needed.</p> |

18/21

### FOOD AND FEED CROPS

| CROPS   | PESTS  | PRODUCT RATES PER ACRE | SPECIAL INSTRUCTIONS   |
|---|--|------------------------|--|
| <p><b>For Crop Groups (See Crop Group Descriptions):</b><br/>           Berries<br/>           Brassica Leafy Vegetables<br/>           Bulb Vegetables<br/>           Cereal Grains<br/>           Citrus Fruits<br/>           Cucurbits<br/>           Fruiting Vegetables<br/>           Legume Vegetables (Succulent or Dried)<br/>           Nongrass Animal Feeds<br/>           Pome Fruit<br/>           Root and Tuber Vegetables<br/>           Stone Fruits<br/>           Tree Nuts<br/>           Tropical &amp; Subtropical Fruits</p> <p><b>Individual Crops:</b><br/>           Banana<br/>           Cacao Bean<br/>           Canola<br/>           Coffee<br/>           Cotton<br/>           Cranberry<br/>           Dates<br/>           Figs<br/>           Grape<br/>           Olives<br/>           Pasture Grass<br/>           Paw Paw<br/>           Peanuts<br/>           Pineapple<br/>           Plantain<br/>           Pomegranate<br/>           Rangeland<br/>           Safflower<br/>           Sesame<br/>           Strawberry<br/>           Sugarcane<br/>           Tea<br/>           Ugli Fruit<br/>           White Sapote</p>   | <p>Ants<br/>           Big-Headed Ant<br/>           Imported Fire Ant<br/>           Native Fire Ant<br/>           Pavement Ant<br/>           Red Imported Fire Ant<br/>           Southern (California) Fire Ant</p> | <p>1.5 to 2.0 lbs</p>  | <p><b>Broadcast or Aerial Application:</b> Apply uniformly with ground or aerial equipment calibrated to give the correct dosage. Repeat after 12 to 16 weeks if needed.</p> <p><b>WHEN TO APPLY</b><br/>           Apply <i>Esteem</i> Ant Bait in the early Spring or Summer at the first sign of ant activity. Applications may be made any time of the day but are more effective when ants are actively foraging, usually when the soil temperature is above 60° F. Avoid application if rain is expected within 4 to 6 hours. Do not water treated area for 24 hours after application. In the event of prolonged rains after initial treatment, reapplication may be necessary.</p> <p>A second application of <i>Esteem</i> Ant Bait may be advisable after 12 to 16 weeks in areas of heavy infestations, or when the mounds remain active, or when a reinfestation occurs. In large mounds, some worker ants may persist for a while after the queen is dead. For 7 to 10 days after treatment, do not apply any other ant pesticide. This is to allow sufficient time for the worker ants to seek out the bait and take it back to the mound. After 14 days, it may be desirable to apply a registered ant pesticide to kill remaining foraging ants.</p> <p><b>Bearing Almond Timing:</b> In bearing almond orchards apply at 6 to 8 weeks prior to harvest to protect fallen nuts. Repeat after 12 to 16 weeks if needed.</p> <p><b>Individual Mound Treatment:</b> Apply 2 to 4 level Tbsps of <i>Esteem</i> Ant Bait per mound, uniformly distributing material 3 to 4 ft around the mound. Do not disturb the mound. Do not apply to top of mounds. Repeat after 12 to 16 weeks if needed.</p> |
| <ul style="list-style-type: none"> <li>• For all crops except Pasture Grass and Rangeland do not apply within 24 hours of harvest.</li> <li>• For Pasture Grass and Rangeland the Pre-Harvest Interval (PHI) is zero (0) days.</li> <li>• For Pasture Grass and Rangeland: Do not plant any crop other than those with registered pyriproxyfen uses in treated areas sooner than 30 days after the last application.</li> <li>• Regardless of formulation, the maximum amount of pyriproxyfen that may be applied per acre per season is as follows:<br/>             For Cacao Bean, Canola, Cereal Grains, Coffee, Dates, Nongrass Animal Feeds, Peanuts, Safflower, Sesame, Sugarcane, Tea, do not exceed 0.040 lb pyriproxyfen per acre per season.<br/>             For Fig, do not exceed 0.043 lb pyriproxyfen per acre per season.<br/>             For Cotton, do not exceed 0.067 lb pyriproxyfen per acre per season.<br/>             For Root and Tuber Vegetables, do not exceed 0.109 lb Pyriproxyfen per acre per season.<br/>             For Banana, Brassica Leafy Vegetables, Bulb Vegetables, Citrus, Cucurbits, Fruiting Vegetables, Legume Vegetables (Succulent and Dried), Pasture Grass, Pineapple, Plantain, Pomegranate, Rangeland, Strawberry, Ugli Fruit, White Sapote, do not exceed 0.134 lb pyriproxyfen per acre per season.<br/>             For Berries, Cranberry, Grapes, Olives, Pome Fruits, Tree Nuts, Tropical &amp; Subtropical Fruits, do not exceed 0.218 lb pyriproxyfen per acre per season.<br/>             For Paw Paw, Stone Fruits, do not exceed 0.327 lb pyriproxyfen per acre per season.</li> </ul> |  |                        |  |

**CROP GROUP DESCRIPTIONS**

**Berries:** Bingleberry, Blackberry, Blueberry, Boysenberry, Currant, Dewberry, Elderberry, Gooseberry, Huckleberry, Juneberry, Lingonberry, Loganberry, Lowberry, Marionberry, Olalliberry, Raspberry (black and red), Salal, Youngberry

**Brassica Leafy Vegetables:** Broccoli, Broccoli Raab (rapini), Brussels Sprouts, Cabbage, Cauliflower, Cavalo Broccolo, Chinese Broccoli (gailon), Chinese Cabbage (bok choy and napa), Chinese Mustard (gai choy), Collards, Kale, Kohlrabi, Mizuna, Mustard Greens, Mustard Spinach, Rape Greens

**Bulb Vegetables:** Dry Bulb Onion, Garlic, Great Headed Garlic, Green Onion, Leek, Shallot, Welsh Onion

**Cereal Grains:** Barley, Corn Buckwheat, Pearl Millet, Proso Millet, Oats, Popcorn, Rice, Rye, Sorghum, Teosinte, Triticale, Wheat, Wild Rice

**Citrus Fruits:** Calamondin, Citrus Citron, Chironja, Grapefruit, Kumquat, Lemon, Lime, Mandarin (Tangerine), Orange, Sour and Sweet; Pummelo, Satsuma Mandarin, Tangelo, Tangor

**Cucurbits:** Balsam Apple, Balsam Pear, Bitter Melon, Cantaloupe, Chayote, Chinese Cucumber, Chinese Waxgourd, Citron Melon, Cucumber, Edible Gourd, Gherkin, *Momordica* spp., Muskmelon, Pumpkin, Summer Squash, Watermelon, Winter Squash

**Fruiting Vegetables:** Eggplant, Ground Cherry, Okra, Pepino, Pepper, Tomatillo, Tomato

**Legume Vegetables (Succulent or Dried):** 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; Broad Bean (Fava); Chickpea (Garbanzo); Guar; Jackbean; Lablab Bean; Lentil; Pea (*Pisum* spp.) includes Dwarf Pea, Edible-podded Pea, English Pea, Field Pea, Garden Pea, Green Pea, Snow Pea, Sugar Snap Pea; Pigeon Pea; Soybean, Sword Bean

**Nongrass Animal Feeds:** Alfalfa, Clover, Crown Vetch, Kudzu, Lespedeza, Lupin, Milk Vetch, Sainfoin, Trefoil, Velvet Bean, Vetch

**Pome Fruits:** Apple, Crabapple, Loquat, Mayhaw, Oriental Pear, Pear, Quince

**Root and Tuber Vegetables:** Arracacha, Arrowroot, Artichoke (Chinese and Jerusalem), Bean Yam, Beet (garden and sugar), Black Salsify, Carrot, Cassava (bitter and sweet), Celeriac, Chaoyote (root), Chicory, Chufa, Dasheen (taro), Edible Burdock, Edible Canna, Ginger, Ginseng, Horseradish, Leren, Oriental Radish, Parsnip, Potato, Radish, Rutabaga, Salsify, Spanish Salsify, Skirret, Sweet Potato, Tanier, True Yam, Turmeric, Turnip, Turnip-rooted Chervil, Turnip-rooted Parsley

**Stone Fruits:** Apricot, Cherry, Sweet & Tart, Chickasaw Plum, Damson Plum, Fresh Prune, Japanese Plum, Nectarine, Peach, Plum, Plumcot, Prune

**Tree Nuts:** Almond, Beechnut, Brazil Nut, Butternut, Cashew, Chestnut, Chinquapin, Filbert (Hazelnut), Hickory Nut, Macadamia Nut, Pecan, Pistachio, Walnut

**Tropical & Subtropical Fruits:** Acerola, Atemoya, Avocado, Biriba, Black Sapote, Canistel, Cherimoya, Custard Apple, Feijoa, Guava, Ilama, Jaboticaba, Longan, Lychee, Mamey Sapote, Mango, Passionfruit, Papaya, Pulasan, Rambutan, Sapodilla, Soursop, Spanish Lime, Star Apple, Starfruit, Sugar Apple, Wax Jambu

20/21

### TURFGRASS AND SOD FARMS

| CROPS                   | PESTS   | PRODUCT RATES PER ACRE | SPECIAL INSTRUCTIONS  |
|-------------------------|---|------------------------|---|
| Turfgrass and Sod Farms | Ants<br>Big-Headed Ant<br>Imported Fire Ant<br>Native Fire Ant<br>Pavement Ant<br>Red Imported Fire Ant<br>Southern (California) Fire Ant | 1.5 to 2.0 lbs         | <p><b>Broadcast or Aerial Application:</b><br/>           Apply uniformly with ground or aerial equipment calibrated to give the correct dosage. Repeat after 12 to 16 weeks if needed.</p> <p><b>WHEN TO APPLY</b><br/>           Apply <i>Esteem</i> Ant Bait in the early Spring or Summer at the first sign of ant activity. Applications may be made any time of the day but are more effective when ants are actively foraging, usually when the soil temperature is above 60° F. Avoid application if rain is expected within 4 to 6 hours. Do not water treated area for 24 hours after application. In the event of prolonged rains after initial treatment, reapplication may be necessary.</p> <p>A second application of <i>Esteem</i> Ant Bait may be advisable after 12 to 16 weeks in areas of heavy infestations, or when the mounds remain active, or when a reinfestation occurs. In large mounds, some worker ants may persist for a while after the queen is dead. For 7 to 10 days after treatment, do not apply any other ant pesticide. This is to allow sufficient time for the worker ants to seek out the bait and take it back to the mound. After 14 days, it may be desirable to apply a registered ant pesticide to kill remaining foraging ants.</p> <p><b>Individual Mound Treatment:</b> Apply 2 to 4 level Tbsps of <i>Esteem</i> Ant Bait per mound, uniformly distributing material 3 to 4 ft around the mound. Do not disturb the mound. Do not apply to top of mounds. Repeat after 12 to 16 weeks if needed.</p> |

## STORAGE AND DISPOSAL

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

### PESTICIDE STORAGE

Store in a cool dry place.

Keep pesticide in original container.

Keep container closed when not in use.

Do not put concentrate or dilute into food or drink containers.

Not for storage in or around the home.

For help with any spill, leak, fire or exposure involving this material, call day or night 800-892-0099.

### 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

Nonrefillable outer bag. Do not reuse or refill the outer bag. 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.

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Manufactured for:

**Valent U.S.A. Corporation**

P.O. Box 8025

Walnut Creek, CA 94596-8025

[www.valent.com](http://www.valent.com)

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