

59639-114

02/09/2006

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

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Mr. Thomas Schreier, Project Manager  
Registration & Regulatory Affairs  
Valent U.S.A Corp.  
1600 Riviera Avenue Suite 200  
Walnut Creek, CA 94596-8025

**FEB - 9 2006**

Dear Mr. Schreier,

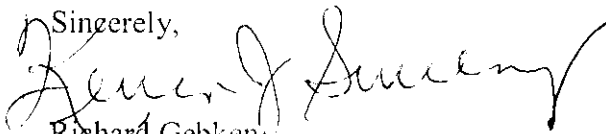
Subject: Label amendment to add residential sites on agricultural lands  
Esteem Ant Bait  
EPA Reg. No. 59639-114  
Submission for label amendment: November 17, 2005  
Original submission date for notification of label amendment: August 12, 2005

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, is acceptable provided you:

1. Submit efficacy data to support the claim that the product controls fire ants by August 1, 2006. Please refer to OPPTS Guideline 810.3100 and PR Notice 86-5 for additional guidance.
2. Submit five copies of the revised finished labeling before the product is released for shipment.

A stamped copy is enclosed for your records. If you have any questions, please contact Kevin Sweeney, at (703) 305-5063. Thank you for your cooperation in this matter.

Sincerely,

*for*   
Richard Gebken  
Product Manager 10  
Insecticide Branch  
Registration Division (7505C)

Enclosure

2/24



GROUP 7D INSECTICIDE

[MASTER LABEL]

# 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**

ACCEPTED  
with COMMENTS  
In EPA Letter Dated  
**FEB - 9 2006**  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.  
59639-114

3/24

[Sub Label 1]

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

4/24

GROUP 7D INSECTICIDE

# 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**

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**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.

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**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.

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**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 AND 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. EXCEPT 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**

In no event shall Valent or Seller be 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. 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**

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.

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.

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

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### **RESISTANCE MANAGEMENT RECOMMENDATIONS**

For resistance management purposes, ESTEEM Ant Bait is a group 7D insecticide. Any insect population may contain individuals naturally resistant to ESTEEM Ant Bait and other 7D 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 7D 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.



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## **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.

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**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            Bigheaded Ant            Pavement Ant            Red Imported Fire Ant            Southern (California) Fire Ant</p>	<p>Broadcast            1.0 to 1.5 lbs.</p> <p>Individual Mound Treatment            3 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>            ESTEEM Ant Bait should be applied 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 ESTEEM 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 ESTEEM 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 ESTEEM 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>            Do not disturb the mound. Do not apply to top of mounds. Apply 1 to 4 level Tbsps. of ESTEEM Ant Bait per mound, uniformly distributing material 3 to 4 ft. around the mound. Repeat after 12 to 16 weeks if needed.</p>

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## STORAGE AND DISPOSAL

### PROHIBITIONS

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 1-800-892-0099.

### 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

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® - Reg. TM of Valent U.S.A. Corporation

ORTHENE® - Reg. TM 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. \_\_\_\_\_

play

[Sub Label 2]

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

13/24

GROUP 7D INSECTICIDE

# 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**

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**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.

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**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.

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**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 AND 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. EXCEPT 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**

In no event shall Valent or Seller be 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. 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**

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.

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.**

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



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### **RESISTANCE MANAGEMENT RECOMMENDATIONS**

For resistance management purposes, ESTEEM Ant Bait is a group 7D insecticide. Any insect population may contain individuals naturally resistant to ESTEEM Ant Bait and other 7D 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 7D 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.

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## 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 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.

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## 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
Ants Big-Headed Ant Pavement Ant Red Imported Fire Ant Southern (California) Fire Ant	1.0 to 2.0 lbs.	<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>            ESTEEM Ant Bait should be applied 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 ESTEEM 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 ESTEEM 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>• Do not allow livestock to graze treated areas.</li> </ul>		

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## FOOD CROPS

CROPS	PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
<p><b>Brassica Leafy Vegetables:</b>            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</p> <p><b>Bushberries:</b>            Blueberry            Currant            Elderberry            Gooseberry            Huckleberry            Juneberry            Lingonberry            Salal</p> <p><b>Citrus</b></p> <p><b>Cotton</b></p> <p><b>Cucurbits:</b>            Balsam Apple            Balsam Pear            Bitter Melon            Cantaloupe            Chayote            Chinese Cucumber            Chinese Waxgourd            Citron Melon            Cucumber            Edible Gourd            Gherkin  <i>Momordica</i> spp.            Muskmelon            Pumpkin            Summer Squash            Watermelon            Winter Squash</p> <p><b>Figs</b></p>	<p>Ants            Big-Headed Ant            Pavement Ant            Red Imported Fire Ant            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>            ESTEEM Ant Bait should be applied 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 ESTEEM 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 ESTEEM 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>• Do not allow livestock to graze treated areas.</li> <li>• Do not apply within 24 hours of harvest.</li> <li>• Regardless of formulation, the maximum amount of pyriproxyfen that may be applied per acre per season is as follows:                For Brassica Leafy Vegetables, do not exceed 0.134 lb. pyriproxyfen per acre per season.                For Bushberries, do not exceed 0.218 lb. pyriproxyfen per acre per season.                For Citrus, do not exceed 0.134 lb. pyriproxyfen per acre per season.                For Cotton, do not exceed 0.067 lb. pyriproxyfen per acre per season.                For Cucurbits, do not exceed 0.134 lb. pyriproxyfen per acre per season.                For Fig, do not exceed 0.043 lb. pyriproxyfen per acre per season.</li> </ul>			

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CROPS	PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
<p><b>Fruiting Vegetables:</b> Eggplant Ground Cherry Okra Pepino Pepper Tomatillo Tomato</p> <p><b>Olives</b></p> <p><b>Pome Fruits:</b> Apple Crabapple Loquat Mayhaw Oriental Pear Pear Quince</p> <p><b>Stone Fruits:</b> Apricot Cherry, Sweet &amp; Tart Chickasaw Plum Damson Plum Fresh Prune Japanese Plum Nectarine Peach Plum Plumcot Prune</p> <p><b>Tree Nuts:</b> Almond Beechnut Brazil Butternut Cashew Chestnut Chinquapin Filbert (Hazelnut) Hickory Macadamia Pecan Pistachio Walnut</p>	<p>Ants Big-Headed Ant Pavement Ant Red Imported Fire Ant 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> ESTEEM Ant Bait should be applied 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 ESTEEM 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 ESTEEM 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>• Do not allow livestock to graze treated areas.</li> <li>• Do not apply within 24 hours of harvest.</li> <li>• Regardless of formulation, the maximum amount of pyriproxyfen that may be applied per acre per season is as follows: For Fruiting Vegetables, do not exceed 0.134 lb. pyriproxyfen per acre per season. For Olives, do not exceed 0.218 lb. pyriproxyfen per acre per season. For Pome Fruits, do not exceed 0.218 lb. pyriproxyfen per acre per season. For Stone Fruits, do not exceed 0.327 lb. pyriproxyfen per acre per season. For Tree Nuts, do not exceed 0.218 lb. pyriproxyfen per acre per season.</li> </ul>			

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CROPS	PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
<p><b>Tropical &amp; Subtropical Fruits:</b>  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</p>	<p>Ants  Big-Headed Ant  Pavement Ant  Red Imported Fire Ant  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>  ESTEEM Ant Bait should be applied 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 ESTEEM 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 ESTEEM 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>• Do not allow livestock to graze treated areas.</li> <li>• Do not apply within 24 hours of harvest.</li> <li>• Regardless of formulation, the maximum amount of pyriproxyfen that may be applied per acre per season is as follows:  For Tropical &amp; Subtropical Fruits, do not exceed 0.218 lb. pyriproxyfen per acre per season.</li> </ul>			

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### TURFGRASS

CROP	PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
Sod Farms	Ants Bigheaded Ant Pavement Ant Red Imported Fire Ant Southern (California) Fire Ant	Broadcast 1.0 to 1.5 lbs.  Individual Mound Treatment 3 to 4 level Tbsps.	<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>            ESTEEM Ant Bait should be applied 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 ESTEEM 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 ESTEEM 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 ESTEEM 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>            Do not disturb the mound. Do not apply to top of mounds. Apply 1 to 4 level Tbsps. of ESTEEM Ant Bait per mound, uniformly distributing material 3 to 4 ft. around the mound. Repeat after 12 to 16 weeks if needed.</p>
<ul style="list-style-type: none"> <li>• Do not allow livestock to graze treated areas.</li> <li>• Do not apply within 24 hours of harvest.</li> </ul>			

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## STORAGE AND DISPOSAL

### PROHIBITIONS

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 1-800-892-0099.

### 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

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:

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