



Esteem[®]

ANT BAIT

(Insect Growth Regulator)

Active Ingredient	By Wt.
*Pyriproxyfen	0.50%
Other Ingredients	99.50%
Total	100.0%
*2-[1-methyl-2-(4-phenoxyphenoxy) ethoxy] pyridine	

EPA Reg. No. 59639-114 EPA Est. 2217-KS-2

KEEP OUT OF REACH OF CHILDREN CAUTION

SEE BELOW FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

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.

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FIRST AID (continued)

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.

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.

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 unin-

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tended 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 (continued)

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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.

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.

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.

FOOD AND FEED CROPS

CROPS	PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
<p>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</p> <p>Bushberries: Blueberry Currant Elderberry Gooseberry Huckleberry Juneberry Lingonberry Salal</p> <p>Citrus</p> <p>Cotton</p> <p>Cucurbits: 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>Figs</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>Broadcast or Aerial Application: Apply uniformly with ground or aerial equipment calibrated to give the correct dosage. Repeat after 12 to 16 weeks if needed.</p> <p>WHEN TO APPLY <i>Esteem</i> 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 <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>Individual Mound Treatment: 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>

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FOOD AND FEED CROPS (continued)

CROPS	PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
<p>Fruiting Vegetables: Eggplant Ground Cherry Okra Pepino Pepper Tomatillo Tomato</p> <p>Grape</p> <p>Legume Vegetables (Except Soybean)</p> <p>Olives</p> <p>Onion (Dry Bulb Only)</p> <p>Pasture Grass</p> <p>Pome Fruits: Apple Crabapple Loquat Mayhaw Oriental Pear Pear Quince</p> <p>Rangeland</p> <p>Strawberry</p> <p>Stone Fruits: Apricot Cherry, Sweet & Tart Chickasaw Plum Damson Plum Fresh Prune Japanese Plum Nectarine Peach Plum Plumcot Prune</p> <p>Tree Nuts: 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>Broadcast or Aerial Application: Apply uniformly with ground or aerial equipment calibrated to give the correct dosage. Repeat after 12 to 16 weeks if needed.</p> <p>WHEN TO APPLY <i>Esteem</i> 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 <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>Bearing Almond Timing: 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>Individual Mound Treatment: 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>

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FOOD AND FEED CROPS (continued)

CROPS	PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
<p>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</p> <p>Ugli Fruit White Sapote</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>Broadcast or Aerial Application: Apply uniformly with ground or aerial equipment calibrated to give the correct dosage. Repeat after 12 to 16 weeks if needed.</p> <p>WHEN TO APPLY <i>Esteem</i> 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 <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>Individual Mound Treatment: 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>

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FOOD AND FEED CROPS (continued)

- Do not apply within 24 hours of harvest.
- 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.
- 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.
 - For fruiting vegetables, do not exceed 0.134 lb. pyriproxyfen per acre per season.
 - For grapes, do not exceed 0.22 lb. pyriproxyfen per acre per season.
 - For legume vegetables (except soybean), 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 onions (dry bulb only), do not exceed 0.11 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 strawberry, do not exceed 0.134 lb. pyriproxyfen per acre per season.
 - For tree nuts, do not exceed 0.218 lb. pyriproxyfen per acre per season.
 - For tropical & subtropical fruits, do not exceed 0.218 lb. pyriproxyfen per acre per season.
 - For ugli fruit, do not exceed 0.134 lb. pyriproxyfen per acre per season.
 - For white sapote, do not exceed 0.134 lb. pyriproxyfen per acre per season.

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.

Esteem is a registered trademark of Valent U.S.A. Corporation

Products That Work, From People Who Care is a trademark of Valent U.S.A. Corporation

Manufactured for

Valent U.S.A. Corporation

P.O. Box 8025

Walnut Creek CA 94596-8025

Form 1609-A Made in U.S.A.

EPA Reg. No. 59639-114

EPA Est. 2217-KS-2

Information contained in this booklet is accurate at the time of printing. Since product testing is a continuous process, please read and follow the directions on the product label for the most current directions and precautionary statements.

Always check with your state to verify state registration status or call 800-6-VALENT (682-5368).



For state registration and/or supplemental labels, please call or visit us online.

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Read and follow the label instructions before using.

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