

59639-114

12/13/2012

1/24



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON D C 20460

OFFICE OF
CHEMICAL SAFETY AND
POLLUTION PREVENTION

Dr Robert Hamilton
Registration & Regulatory Affairs
Valent U S A Corporation
1600 Riviera Avenue Suite 200
Walnut Creek CA 94596 8025

DEC 13 2012

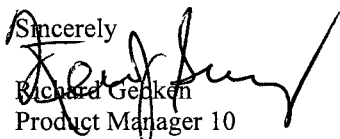
Dear Dr Hamilton

Subject New Uses – (R200) add additional food uses bundled six or more
Knack Insect Growth Regulator
EPA Reg No 59639 95
Distance Insect Growth Regulator
EPA Reg No 59639 96
Esteem Ant Bait
EPA Reg No 59639 114
Esteem 35WP
EPA Reg No 59639 115
Pyriproxyfen 0 86 EC Ag
EPA Reg No 59639 160
Pyriproxyfen 0 86 EC VPP
EPA Reg No 59639 163
Submissions dated November 28 2011

Following review of the residue data submitted in support of the IR 4 petition [(PP# 1E7950) (77 FR 73951 73956) (FRL 9365 6)] EPA established pyriproxyfen tolerances for Bulb Vegetable Group 3 07 Fruiting Vegetable Group 8 10 Citrus Fruit Group 10 10 Pome Fruit Group 11 10 Caneberry Subgroup 13 07A Bushberry Subgroup 13 07B Low Growing Berry except Strawberry Subgroup 13 07H and Herb Subgroup 19A Therefore the labeling referred to above submitted in connection with registration under the Federal Insecticide Fungicide and Rodenticide Act is acceptable

Submit two (2) copies of your final printed labeling for each product before releasing the product for shipment If these conditions are not complied with the registration(s) will be subject to cancellation in accordance with FIFRA section 6(e) Your release for shipment of the product bearing amended labeling constitutes acceptance of these conditions

A stamped copy of each label is enclosed for your records If you any questions or require more information please contact Kevin Sweeney at (703) 305-5063 Thank you for your cooperation in this matter

Sincerely

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

Enclosure



GROUP **7C** INSECTICIDE

[MASTER LABEL]

[Bracketed information is optional text]

ESTEEM[®] ANT BAIT (Insect Growth Regulator)

Active Ingredient	By Wt
Pyriproxyfen*	0 50%
Other Ingredients	99 50%
Total	<u>100 00%</u>

*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
 DEC 13 2012
 Under the Federal Insecticide
 Fungicide and Rodenticide Act
 as amended for the pesticide
 Registered under
 EPA Reg No 59639-114

[Sub Label 1]

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

4/24



GROUP 7C INSECTICIDE

ESTEEM[®] ANT BAIT (Insect Growth Regulator)

Active Ingredient	By Wt
Pyrproxifen*	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

**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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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 by a poison control center or doctor • Do not give anything by mouth to an unconscious person
If in eyes	<p>Hold eye open and rinse slowly and gently with water for 15-20 minutes</p> <ul style="list-style-type: none"> • Remove contact lenses if present, after the first 5 minutes, then continue rinsing eye • Call a poison control center or doctor for treatment advice
<p>HOT LINE NUMBER</p> <p>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</p>	

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 (WPS), 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 (REI). The requirements in this box only apply to uses of this product that are covered by the WPS.

Do not enter or allow worker entry into treated areas during the REI of 12 hours.

PPE required for early entry to treated areas that is permitted under the WPS 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.

**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*[®] 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^[1]

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

[¹Not for use in] [California] [New York]

PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
<p>Ants Bigheaded Ant Imported Fire Ant Native Fire 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 1 to 4 level Tbsp</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 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 & Ornamental Spray to individual mounds according to the label</p> <p>Individual Mound Treatment Do not disturb the mound Do not apply to top of mounds Apply 1 to 4 level Tbsp 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>

11/24

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 HANDLING

Nonrefillable outer bag Do not reuse or refill the outer bag Completely empty bag into application equipment Offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration

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Esteem is a registered trademark of Valent U S A Corporation

Orthene 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

Made in U S A

EPA Reg No 59639-114

EPA Est No _____

059639-00114 20121210 EAB AMEND IR4 herb
20101227/20111103

12/24

[Sub Label 2]

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

13/24



GROUP **7C** INSECTICIDE

[Bracketed information is optional text]

ESTEEM[®] 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

**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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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 by a poison control center or doctor • Do not give anything by mouth to an unconscious person
If in eyes	<ul style="list-style-type: none"> • 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	
<p>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</p>	

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

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PPE required for early entry to treated areas that is permitted under the WPS 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 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

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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, 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

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® 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.

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18/24

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 Big Headed Ant Imported Fire Ant Native Fire Ant Pavement Ant Red Imported Fire Ant Southern (California) Fire Ant</p>	<p>1 0 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 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>Individual Mound Treatment Apply 2 to 4 level Tbsp 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>

19/24

FOOD AND FEED CROPS

CROPS	PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
<p>For Crop Groups (See Crop Group Descriptions)</p> <p>Berry (Low Growing Except Strawberry)^[1]</p> <p>Brassica (Cole) Leafy Vegetables</p> <p>Bulb Vegetables^[2]</p> <p>Bushberry</p> <p>Caneberry^[1]</p> <p>Cereal Grains^[1]</p> <p>Citrus Fruits</p> <p>Cucurbits</p> <p>Foliage of Legume Vegetables^[1]</p> <p>Fruiting Vegetables</p> <p>Herb^[1]</p> <p>Leafy Vegetables (Except Brassica Vegetables)^[1]</p> <p>Leaves of Root and Tuber Vegetables^[1]</p> <p>Legume Vegetables (Succulent or Dried)^[3]</p> <p>Nongrass Animal Feeds^[1]</p> <p>Pome Fruit</p> <p>Root and Tuber Vegetables^[1]</p> <p>Small Fruit Vine Climbing Crops (Except Grape)^[1]</p> <p>Stone Fruit</p> <p>Tree Nuts</p> <p>Tropical & Subtropical Fruits</p> <p>Individual Crops</p> <p>Artichoke (Globe)^[1]</p> <p>Asparagus^[1]</p> <p>Banana^[1]</p> <p>Cacao Bean</p> <p>Canola seed only</p> <p>Coffee</p> <p>Cotton</p> <p>Dates^[1]</p> <p>Figs</p> <p>Grape</p> <p>Olives</p> <p>Pasture Grass</p> <p>Paw Paw^[1]</p> <p>Peanuts^[1]</p> <p>Pineapple^[1]</p> <p>Plantain^[1]</p> <p>Pomegranate^[1]</p> <p>Rangeland^[1]</p> <p>Safflower seed only^[1]</p> <p>Sesame seed only^[1]</p> <p>Strawberry</p> <p>Sugarcane^[1]</p> <p>Tea^[1]</p> <p>Watercress^[1]</p> <p>White Sapote</p>	<p>Ants</p> <p>Big Headed Ant</p> <p>Imported Fire Ant</p> <p>Native Fire Ant</p> <p>Pavement Ant</p> <p>Red Imported Fire Ant</p> <p>Southern (California) Fire Ant</p>	<p>1 5 to 2 0 lbs</p>	<p>Broadcast or Aerial Application</p> <p>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</p> <p>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>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</p> <p>Apply 2 to 4 level Tbsp 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>

^[1]Not for use in [California] [New York]

^[2][See Crop Group Description for bulb vegetables Not for Use in] [California] [New York]

^[3][Not for use on soybeans in] [California] [New York]

continued

FOOD AND FEED CROPS - continued

- For all crops except Pasture Grass and Rangeland do not apply within 24 hours of harvest
- For Pasture Grass and Rangeland the Pre Harvest Interval (PHI) is zero (0) days
 - 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 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
- For Fig do not exceed 0.043 lb pyriproxyfen per acre per season
- For Cotton do not exceed 0.067 lb pyriproxyfen per acre per season
- For Fruiting Vegetables Leaves of Root and Tuber Vegetables and Root and Tuber Vegetables do not exceed 0.109 lb Pyriproxyfen per acre per season
- For Artichoke Asparagus Banana Brassica Leafy Vegetables Bulb Vegetables Citrus Cucurbits Foliage of Legume Vegetables Herb Leafy Vegetables (Except Brassica Vegetables) Legume Vegetables (Succulent and Dried) Pasture Grass Pineapple Plantain Pomegranate Rangeland Strawberry Watercress White Sapote do not exceed 0.134 lb pyriproxyfen per acre per season
- For Berry (Low growing except strawberry) Bushberry Caneberry Grapes Olives Pome Fruits Small Fruit Vine Climbing Crops (Except Grape) Tree Nuts Tropical & Subtropical Fruits do not exceed 0.218 lb pyriproxyfen per acre per season
- For Pawpaw Stone Fruits do not exceed 0.327 lb pyriproxyfen per acre per season

CROP GROUP DESCRIPTIONS

Berry (Low Growing, Except Strawberry) – Crop Group 13-07H Bearberry, Bilberry, Blueberry, lowbush Cloudberry Cranberry Lingonberry Muntries Partridgeberry Cultivars varieties, and/or hybrids of these

Brassica (Cole) Leafy Vegetables – Crop Group 5 Broccoli Broccoli Chinese (gailon) Broccoli Raab (rapini), Brussels Sprouts Cabbage Cabbage, (Chinese bok choy and napa), Cauliflower Cavalo Broccolo, Chinese Mustard (gai choy), Collards, Kale, Kohlrabi Mizuna Mustard Greens, Mustard Spinach, Rape Greens

Bulb Vegetables – Crop Group 3-07 Chive, fresh leaves⁽¹⁾, Chive Chinese, fresh leaves⁽¹⁾ Daylily, bulb, Elegans hosta⁽¹⁾ Fritillaria bulb Fritillaria leaves⁽¹⁾, Garlic bulb, Garlic great-headed bulb, Garlic, serpent bulb Kurrat⁽¹⁾ Lady's leek⁽¹⁾ Leek⁽¹⁾, Leek, wild⁽¹⁾, Lily bulb, Onion, Beltsville bunching⁽¹⁾ Onion bulb, Onion, Chinese, bulb, Onion, fresh⁽¹⁾, Onion, green⁽¹⁾, Onion macrostem⁽¹⁾, Onion, pearl Onion, potato, bulb, Onion, tree, tops⁽¹⁾ Onion, Welsh, tops⁽¹⁾, Shallot bulb, Shallot, fresh leaves⁽¹⁾, Cultivars varieties, and/or hybrids of these

Bushberry - Subgroup 13-07B Aronia berry, Blueberry, highbush, Blueberry lowbush Buffalo currant Chilean guava, Cranberry, highbush Currant, black, Currant, red, Elderberry, European barberry Gooseberry, Honeysuckle, edible Huckleberry Jostaberry Juneberry (Saskatoon berry) Lingonberry, Native currant, Salal, Sea buckthorn, Cultivars, varieties, and/or hybrids of these

Caneberry - Subgroup 13-07A Blackberry (including Bingleberry, Black Satin Berry, Boysenberry, Cherokee blackberry, Chesterberry, Cheyenne blackberry, Coryberry, Darrowberry, Dewberry, Dirksen thornless berry, Himalayaberry, Hullberry, Lavacaberry, Lowberry, Lucretiaberry, Mammoth blackberry, Marionberry, Necterberry, Olallieberry, Oregon evergreen berry, Phenomenalberry, Rangerberry, Ravenberry, Rossberry and Shawnee Blackberry) Youngberry Loganberry Raspberry (including Bababerry, Black Raspberry, Blackcap, Caneberry, Framboise, Frambueso, Himbeere, Kenberry, Mayberry, Red Raspberry, Thimbleberry, Tulameen and Yellow raspberry) Wild raspberry Cultivars, varieties, and/or hybrids of these

Cereal Grains – Crop Group 15 Barley, Buckwheat, Corn, Millet, pearl, Millet, proso, Oats Popcorn Rice Rye Sorghum Teosinte Triticale Wheat Wild Rice

Citrus Fruits – Crop Group 10-10 Australian desert lime Australian finger-lime, Australian round lime, Brown River finger lime, Calamondin, Citron, Citrus hybrids Grapefruit Japanese summer grapefruit Kumquat, Lemon Lime, Mediterranean mandarin, Mount white lime, New Guinea wild lime Orange, sour Orange sweet, Pummelo, Russell River lime, Satsuma mandarin, Sweet lime Tachibana orange Tahiti lime Tangelo Tangerine (mandarin) Tangor Trifoliate orange, Uniq fruit, Cultivars, varieties, and/or hybrids of these

Cucurbits – Crop Group 9 Chayote (fruit) Chinese Waxgourd (Chinese preserving melon) Citron Melon, Cucumber Gherkin, Gourd edible (includes Hyotan, Cucuzza Hechima, Chinese Okra), *Momordica* spp (including Balsam Apple, Balsam Pear Bittermelon, Chinese Cucumber) Muskmelon (includes Cantaloupe) Pumpkin, Squash, summer, Squash, winter (includes Butternut Squash Calabaza, Hubbard Squash, Acorn Squash Spaghetti Squash), Watermelon

Foliage of Legume Vegetables – Crop Group 7 Plant parts of any legume vegetable included in the legume vegetables that will be used as animal feed Any cultivar of bean (*Phaseolus*) field pea (*Pisum*)

Fruiting Vegetables (Except Cucurbits) – Crop Group 8-10 African eggplant Bush tomato, Bell pepper, Cocona, Currant tomato, Eggplant, Garden huckleberry, Goji berry, Ground Cherry, Martynia, Naranjilla, Okra, Pea eggplant, Pepino, , Pepper, bell, Pepper, nonbell Roselle Scarlet eggplant, Sunberry, Tomatillo Tomato Tree tomato, Cultivars, varieties and/or hybrids of these

Herb - Subgroup 19A Angelica, Balm, Basil, Borage, Burnet, Chamomile Catnip, Chervil (dried), Chive Chive, Chinese, Clary, Coriander (leaf), Costmary, Cilantro (leaf), Curry (leaf), Dillweed, Horehound, Hyssop, Lavender, Lemongrass Lovage (leaf) Marigold, Marjoram Nasturtium Parsley (dried), Pennyroyal Rosemary, Rue Sage, Savory summer and winter, Sweet bay, Tansy, Tarragon, Thyme, Wintergreen, Woodruff, Wormwood

Leafy Vegetables (Except Brassica Vegetables) – Crop Group 4 Amaranth (Chinese Spinach), Arugula (Roquette), Cardoon, Celery, Celery, Chinese, Celtuce, Chervil Chrysanthemum Edible-leaved Chrysanthemum, Garland, Corn Salad, Cress, Garden, Cress, Upland, Dandelion, Dock (Sorrel), Endive (Escarole), Fennel, Florence, Lettuce Head and Leaf, Orach Parsley, Purslane, Garden, Purslane Winter, Radicchio (Red Chicory), Rhubarb, Spinach, Spinach, New Zealand Spinach, Vine Swiss Chard

Leaves of Root and Tuber Vegetables (Human Food or Animal Feed) - Crop Group 2
 Beet, Garden Beet, Sugar, Burdock, Edible, Carrot, Cassava (Bitter and Sweet), Celeriac, Chervil, Turnip-rooted, Chicory, Dasheen (taro), Parsnip Radish, Radish, Oriental (daikon), Rutabaga, Salsify, Black, Sweet Potato, Tanier, Turnip Yam, True

Legume Vegetables (Succulent or Dried) – Crop Group 6 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^[1], Sword Bean

Nongrass Animal Feeds (Forage, Fodder, Straw and Hay) – Crop Group 18
 Alfalfa Clover, Crown Vetch Kudzu, Lespedeza Lupin, Milk Vetch, Sainfoin Trefoil, Velvet Bean, Vetch

Pome Fruit – Crop Group 11-10 Apple Azarole, Crabapple, Loquat, Mayhaw, Medlar Pear, Pear, Asian, Quince Quince Chinese, Quince Japanese, Tejocote, Cultivars varieties, and/or hybrids of these

Root and Tuber Vegetables - Crop Group 1 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

Small Fruit Vine Climbing Crops (Except Grape) – -Subgroup 13-07E Amur River Grape, Gooseberry, Kiwifruit, Fuzzy, Kiwifruit, Hardy Maypop, Schisandra Berry, Cultivars, varieties and/or hybrids of these

Stone Fruits – Crop Group 12 Apricot Cherry, Sweet and Tart, Chickasaw Plum, Damson Plum, Fresh Prune Japanese Plum, Nectarine Peach Plum Plumcot Prune

Tree Nuts – Crop Group 14 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

[¹Not for use in] [California] [New York]

TURFGRASS AND SOD FARMS

CROPS	PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
Turfgrass and Sod Farms	<p>Ants Big Headed Ant Imported Fire Ant Native Fire 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 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>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>

29/29

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 HANDLING

Nonrefillable outer bag Do not reuse or refill the outer bag Completely empty bag into
application equipment Offer for recycling if available or dispose of empty bag in a
sanitary landfill or by incineration

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