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.

Keeppesticide in original container.
Keep container closed when not in use.
Do not put concentrate or dilute into food or drink containers.
Not for use or storage in or around the home.
If exposed to any spill, leak, fire or explosion involving this material, call a doctor, 911, or 1-800-942-0028.

PESTICIDE DISPOSAL
Wastes resulting from the use of this product may be disposed of on-site or in an approved waste disposal facility.

CONTAINER DISPOSAL
Nonrefillable container. Do not reuse or refill this container.
Clean container promptly after emptying. Toss in garbage bag or recycle.

Active ingredient:
Pyriproxyfen... 1.23%

Other ingredients: 88.77%

Total: 100.00%

Contains 0.06 pound a.i. per gallon.
Contains aromatic petroleum distillates.

GROUP 7C INSECTICIDE

KEEPSAFE OUT OF REACH OF CHILDREN

KEEP OUT OF REACH OF CHILDREN
CAUTION
SEE INSIDE FOR ADDITIONAL PRECAUTIONARY STATEMENTS

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

Manufactured for
Valent U.S.A. Corporation
P.O. Box 9025
Walent Creek CA 95494-0225
Form 1283-K. Made in U.S.A.
www.valent.com
050602-00905, 20081204, KNK3RJ/FINAL
EPA Reg. No. 35610-50
EPA Est. 60795-CALI, 35610-TX-001
Superscript is first letter of lot number.
PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION: Causes skin and eye irritation. Do not get on skin, in eyes, or on clothing. Harmful if inhaled, swallowed or absorbed through skin. Avoid contact with skin, eyes or clothing. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

FIRST AID
If on skin or clothing:
Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-30 minutes. Call a poison control center or doctor for further treatment advice.

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 further treatment advice.

If swallowed:
Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

If inhaled:
Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further 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 1-800-455-8080 for emergency medical treatment information.

NOTE TO PHYSICIANS
If ingested, probable mucosal damage may contraindicate the use of gastric lavage. This product contains a light hydrocarbon liquid. Ingestion or subsequent vomiting can result in inspiration of the product, which can cause pneumonitis.

PERSONAL PROTECTIVE EQUIPMENT (PPE): Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical resistance category selection chart. Applicators and other handlers must wear:

Crops:
- Covers over short-sleeved shirt and short pants or long-sleeved shirt and long pants, chemical-resistant gloves, such as Barrier Latex, or 10 μm or 14 mils, chemical-resistant footwear plus socks, chemical-resistant headgear for overhead exposure, and chemical-resistant apron when cleaning equipment, mixing, or loading.
- Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep 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 intermittent areas below the mean high water mark. Drain and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water by dispersing of equipment washwater or rainwater. Avoid direct application and/or spray drift to beehives.

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.

TROPICAL & SUBTROPICAL FRUIT
GENERAL: Esteem 0.86 EC Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. Esteem 0.86 EC Insect Growth Regulator has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. Since Esteem 0.86 EC Insect Growth Regulator is an Insect Growth Regulator (IGR) and activity depends on the insect's development, evidence of activity will be slower than typical contact insecticides.

CROPS
PEST
PRODUCT RATE PER ACRE

Tropical & Subtropical Fruit:
Acerola
Almeyaca
Avenado
Barba
Black Sapote
Canistel
Cherimoya
Custard Apple
Felpoa
Gama
Gahna
Jaboticaba
Jungo
Litchie
Lychee
Mamon Sapote
Mangó
Passionfruit
Pepaya
Perú
Rambutan
Sapodilla
Soursop
Spanish Lime
Star Apple
Starfruit
Sugar Apple
Was Jambu

Scale
16 fl oz

Apply with ground or air equipment as a full coverage spray (minimum of 5 gallons/acre or 10 gallons/acre gross). Thorough coverage is critical for adequate control. It is essential to use adequate water volume to ensure thorough coverage.

Apply at either dormant, delayed dormant or in-season cover spray. At dormant or delayed dormant use a spray oil at the manufacturer's recommended oil rate. In a cover spray make applications when scale crawlers first emerge. Follow local recommendations regarding in-season use and rates of oil in your area.

Esteem 0.86 EC Insect Growth Regulator may be mixed and/or alternating with commonly used insecticides to comply with local IPM programs and resistance management programs.

Do not apply within 14 days of harvest.
Do not mix more than 2 Esteem 0.86 EC Insect Growth Regulator applications per growing season.
Do not exceed 32 fl oz of Esteem 0.86 EC Insect Growth Regulator per acre per season. Regardless of formulation, do not exceed 0.278 lb pyrethroid per acre per season.
Do not apply earlier than 14 days after last Esteem 0.86 EC Insect Growth Regulator treatment.

MANAGING INSECT RESISTANCE: Repeated use of the same class of insecticides with similar modes of action can lead to the buildup of resistant insect strains. To optimize resistance management practices, Valant U.S.A. Corporation is restricting Esteem 0.86 EC Insect Growth Regulator to two applications per growing season. Esteem 0.86 EC Insect Growth Regulator may be used in combination with other IRM materials possessing dissimilar modes of action and/or other chemical classes of insecticides. Follow local, state and federal IPM and Insect Resistance Management (IRM) recommendations. Read and follow all product labels before applying any insecticide.
**TREE NUTS (continued)**

<table>
<thead>
<tr>
<th>CROPS</th>
<th>PESTS</th>
<th>PRODUCT RATES PER ACRE</th>
<th>SPECIAL INSTRUCTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tree Nuts (continued)</strong></td>
<td>Coding Moth</td>
<td>Black Scale</td>
<td>16 fl oz (100 to 400 g/a)</td>
</tr>
<tr>
<td></td>
<td>Doryphiaphila aplopus</td>
<td>Brown Soft Scale</td>
<td>13 to 16 fl oz (100 to 400 g/a)</td>
</tr>
<tr>
<td></td>
<td>Apheleia fulvata</td>
<td>(Black Scale)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Eriophyes leucostigma</td>
<td>Second Generation Codling Moth</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Walnut Aphid</td>
<td>Scales</td>
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</tbody>
</table>

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 190. 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 entry to treated areas that are permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water. It covers over short-sleeved shirt and short pants, chemical-resistant gloves, such as Barrier Laminator or Vylon 2 14 mils, chemical-resistant footwear plus socks, and chemical-resistant headgear for overhead exposure.

**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 forms are not acceptable THEN DO NOT USE THE PRODUCT. Rather, return the unopened product within 15 days or 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 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 pest (continued).

**LIMITED WARRANTY**

Valenta 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, Valenta MAKES NO OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED, LIMITED LIABILITY.

To the fullest extent allowed by law, Valenta or Seller is (continued).
RESISTANCE MANAGEMENT RECOMMENDATIONS
For resistance management purposes, Esteem® 0.86 EC Insect Growth Regulator is a Group 7C insecticide. Any insect population may contain individuals naturally resistant to Esteem® 0.86 EC Insect Growth Regulator and other Group 7C insecticides. The resistant individuals dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by Esteem® 0.86 EC Insect Growth Regulator or other Group 7C 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, alteration of compounds from different chemical classes remains a viable management technique.

To delay insecticide resistance:
- Avoid excessive 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® 0.86 EC Insect Growth Regulator is intended for use in Integrated Pest Management (IPM) or Insect Resistance Management (IRM) programs. Esteem® 0.86 EC Insect Growth Regulator will not control insect adults, and it is recommended to be used in combination and/or rotation with other IPM or IRM materials. Contact your local state extension service for details.
Esteem® 0.86 EC Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. Esteem® 0.86 EC Insect Growth Regulator does not affect any adult insects, but hatching of eggs laid by treated adults will be suppressed. Since Esteem® 0.86 EC Insect Growth Regulator is an Insect Growth Regulator (IGR) and activity depends on the insect’s development, evidence of activity will be slower than typical contact insecticides.

TANK MIXES
NOTICE: Tank mixing or use of this product with any other product which is not specifically and expressly authorized by this 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.

TREE NUTS
GENERAL: Esteem® 0.86 EC Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. Esteem® 0.86 EC Insect Growth Regulator has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. Since Esteem® 0.86 EC Insect Growth Regulator is an Insect Growth Regulator (IGR) and activity depends on the insect’s development, evidence of activity will be slower than typical contact insecticides.

CROP | PESTS | PRODUCT RATES PER ACRE | SPECIAL INSTRUCTIONS
--- | --- | --- | ---
Tree Nuts | Almond | Black Scale | 13 to 16 fl oz | Apply with ground equipment in 100 to 400 gal/acre. Coverage is essential for good control. Apply in sufficient water volume for tree size. Use of higher water volume will assure better coverage.
 | | San Jose Scale | | Apply at either dormant, delayed dormant or an in-season cover spray. At dormant, delayed dormant use a spray oil at the manufacturer’s recommended oil rate. In a cover spray make applications when scale crawlers first emerge. Follow local recommendations regarding in-season use and rates of oil in your area.
 | | Spotted Peach Twig Borer | | Esteem® 0.86 EC Insect Growth Regulator has provided good suppression of Peach Twig Borer when applied delayed dormant through bloom sprays.

Do not apply within 21 days of harvest. Do not exceed 1.5 lb of Esteem® 0.86 EC Insect Growth Regulator per acre per season. Do not exceed 16 fl oz of Esteem® 0.86 EC Insect Growth Regulator per acre per season. Regardless of formulation, do not exceed 0.109 lbs/gal of product per acre per season.

MANAGING INSECT RESISTANCE: Repeated use of the same class of insecticides with similar modes of action can lead to the build-up of resistant insect strains. To optimize resistance management practices, Valent U.S.A. Corporation is restricting Esteem® 0.86 EC Insect Growth Regulator to one application per growing season. Esteem® 0.86 EC Insect Growth Regulator may be used in rotation with other IGR materials possessing dissimilar modes of action and/or with other chemical classes of insecticides. Follow local, state, and federal IPM and Insect Resistance Management (IRM) recommendations. Read and follow all product labels before applying any insecticide.
STONE FRUIT

GENERAL: Esteem 0.86 EC Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. Esteem 0.86 EC Insect Growth Regulator has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. Since Esteem 0.86 EC Insect Growth Regulator is an insect growth regulator (IGR) and activity depends on the insect's development, evidence of activity will be slower than typical contact insecticides.

### CROPS
- Apricot
- Cherry
- Chickasaw Plum
- Damson Plum
- Fresh Plum
- Japanese Plum
- Nectarine
- Peach
- Plumcot
- Prune

### PESTS
- Lecanium Scale
- San Jose Scale
- Suppression of: Peach Twig Borer
- Oriental Fruit Moth

### PRODUCT RATES PER ACRE
- 13 to 16 fl oz

### SPECIAL INSTRUCTIONS
- Apply in 100 to 400 gal/acre with ground equipment. Coverage is essential for good control. Apply in sufficient water volume for tree size. Use of higher water volume will assure better coverage.
- **Scale:** Apply at dormant, delayed dormant or as an in-season cover spray. At dormant, delayed dormant, use a spray vol at the manufacturer's recommended oil rate. Under heavy scale pressure, use the higher rate of Esteem 0.86 EC Insect Growth Regulator.
- **PeachTwig Borer:** Esteem 0.86 EC Insect Growth Regulator has provided good suppression of Peach Twig Borer when applied delayed dormant through bloom sprays. Use a spray oil at the manufacturer's recommended rate for the stage of crop growth.

In-season sprays of Esteem 0.86 EC Insect Growth Regulator may not protect fruit from blemishes by scale.

Esteem 0.86 EC Insect Growth Regulator may be mixed and/or alternated with commonly used insecticides to comply with local IPM programs and Resistance Management programs.

Do not apply within 14 days of harvest.
Do not mix more than 3 Esteem 0.86 EC Insect Growth Regulator applications per growing season.
Do not exceed 46 fl oz of Esteem 0.86 EC Insect Growth Regulator per acre per season.
Regardless of formulation, do not exceed 0.327 lb pyrethrum per acre per season.
Do not apply earlier than 14 days after last Esteem 0.86 EC Insect Growth Regulator treatment.

MANAGING INSECT RESISTANCE: Repeated use of the same class of insecticides with similar modes of action can lead to the buildup of resistant insect strains. To optimize resistance management practices, Valent U.S.A. Corporation is restricting Esteem 0.86 EC Insect Growth Regulator to three applications per growing season. Esteem 0.86 EC Insect Growth Regulator may be used in alternation with other materials possessing dissimilar modes of action and/or with other chemical classes of insecticides. Follow local, state, and federal IPM and Insect Resistance Management (IRM) recommendations. Read and follow all product labels before applying any insecticide.

BUSHBERRIES

GENERAL: Esteem 0.86 EC Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. Esteem 0.86 EC Insect Growth Regulator has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. Since Esteem 0.86 EC Insect Growth Regulator is an insect growth regulator (IGR) and activity depends on the insect’s development, evidence of activity will be slower than typical contact insecticides.

### CROPS
- Blueberries
- Cranberry
- Gooseberry
- Huckleberry
- Juniper Berry
- Lingonberry
- Salal

### PESTS
- Cherry Fruitworm
- Cranberry Fruitworm
- Lecanium Scale

### PRODUCT RATE PER ACRE
- 16 fl oz

### SPECIAL INSTRUCTIONS
- Apply with ground or air equipment as a full coverage spray (minimum of 5 gal/acre by air or 50 gal/acre by ground). Through coverage is critical for adequate control. It is essential to use adequate water volume to ensure thorough coverage.
- **Fruitworms:** Apply when egg laying begins and again at petal fall. Additional applications of another insecticide at 10 - 14 day intervals, may be needed under high population pressure or sustained moth flight.
- **Lecanium Scale:** Apply at either dormant, delayed dormant or an in-season cover spray. At dormant or delayed dormant use a spray oil at the manufacturer’s recommended oil rate. In a cover spray make applications when scale crawlers first emerge. Follow local recommendations regarding in-season use and rates of oil in your area.

Esteem 0.86 EC Insect Growth Regulator may be mixed and/or alternated with commonly used insecticides to comply with local IPM programs and Resistance Management programs.

Do not apply within 7 days of harvest.
Do not mix more than 2 Esteem 0.86 EC Insect Growth Regulator applications per growing season.
Do not exceed 32 fl oz of Esteem 0.86 EC Insect Growth Regulator per acre per season.
Regardless of formulation do not exceed 0.278 lb pyrethrum per acre per season.
Do not apply earlier than 14 days after last Esteem 0.86 EC Insect Growth Regulator treatment.
**GENERAL**:
Esteem® 0.86 EC Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. Esteem® 0.86 EC Insect Growth Regulator has no activity on an adult insect, but hatching of eggs laid by treated adults will be suppressed. Since Esteem® 0.86 EC Insect Growth Regulator is an Insect Growth Regulator (IGR) and activity depends on the insect's development, evidence of activity will be slower than typical contact insecticides.

**CITRUS**

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</thead>
<tbody>
<tr>
<td>Citrus</td>
<td>Black Scale</td>
<td>16 fl oz</td>
<td>Apply with ground equipment in 200 to 1500 gals/acre. Apply in sufficient water volume for tree size. Thorough coverage is critical for control. It is essential to use adequate water volume to ensure thorough coverage. Apply anytime prior to fruit becoming infested when scale is in the crawler stage. Application at the 2nd or 3rd generation of scale may result in excessive dead scale remaining on the fruit at harvest. Thorough coverage is essential for good control. Esteem® 0.86 EC Insect Growth Regulator may be applied with superior spray oils at 1/2 to 1%. Follow the manufacturer's directions and recommendations on timing and rates. NOTE: For scale apply only one application during emergence of scale crawlers per calendar year.</td>
</tr>
<tr>
<td>Citrus</td>
<td>Black Fly</td>
<td>10 fl oz</td>
<td>Apply with ground application in 200 to 1500 gals/acre. Apply in sufficient water volume for tree size. Thorough coverage is critical for control. It is essential to use adequate water volume to ensure thorough coverage. Apply when pests are just beginning to build and before infestation has occurred. Thorough coverage is essential for good control. Esteem® 0.86 EC Insect Growth Regulator may be mixed and/or alternated with commonly used insecticides to comply with local IPM programs and Resistance Management programs. Do not apply within 1 day of harvest. Do not make more than 2 Esteem® 0.86 EC Insect Growth Regulator applications per season. Do not exceed 26 fl oz of Esteem® 0.86 EC Insect Growth Regulator per acre per season. Regardless of formulation, do not exceed 0.134 lb pyriproxyfen per acre per season. Do not apply earlier than 21 days after last Esteem® 0.86 EC Insect Growth Regulator treatment.</td>
</tr>
</tbody>
</table>

**POME FRUIT (continued)**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Pome Fruit</td>
<td>Coding Moth</td>
<td>13 to 16 fl oz</td>
<td>Apply by ground with airblast equipment in 100 to 400 gals/acre. 1st Generation Coding Moth: Apply at Bollus plus 100 degree days. Make a second application 14 to 21 days later or timed to coincide with peak moth flights. For subsequent applications, if needed, apply other insecticides registered for Coding Moth control. The addition of oil has been shown to increase Coding Moth activity of Esteem® 0.86 EC Insect Growth Regulator. Follow local recommendations regarding in-season use and rates of all in your area. For additional generations apply other insecticides registered for Coding Moth control. Esteem® 0.86 EC Insect Growth Regulator may be mixed and/or alternated with commonly used insecticides to comply with local IPM programs and Resistance Management programs. Do not apply within 45 days of harvest. Do not exceed 2 Esteem® 0.86 EC Insect Growth Regulator applications per growing season. Do not exceed 32 fl oz of Esteem® 0.86 EC Insect Growth Regulator per acre per season. Regardless of formulation, do not exceed 0.218 lb pyriproxyfen per acre per season. Do not apply earlier than 14 days after last Esteem® 0.86 EC Insect Growth Regulator treatment.</td>
</tr>
</tbody>
</table>

**MANAGING INSECT RESISTANCE**: Repeated use of the same class of insecticides with similar modes of action can lead to the buildup of resistant insect strains. To optimize resistance management practices, Valent USA Corporation is restricting Esteem® 0.86 EC Insect Growth Regulator to two applications per growing season. Esteem® 0.86 EC Insect Growth Regulator may be used in alternation with other IGR materials possessing dissimilar modes of action and/or with other chemical classes of insecticides. Follow local, state, and federal IPM and Insect Resistance Management (IRM) recommendations. Read and follow all product labels before applying any insecticide.
<table>
<thead>
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</thead>
<tbody>
<tr>
<td>Pome Fruit</td>
<td>Pear Pyralis</td>
<td>13 to 16 fl oz</td>
<td>Apply by ground with airblast equipment in 75 to 100 gpa/A with a superior spray oil at the manufacturer's recommended rates for the stage of growth. It is essential to use adequate water volume to ensure thorough coverage. Apply a single application during the delayed dormant or pink stage of growth at 16 fl oz or make two applications from delayed dormant through petal fall stage of growth at 13 to 16 fl oz/A. Make application just before sustained egg lay is anticipated. DO NOT USE SKIP rows during application. For in-season control of pear pyralis, use an insecticide recommended for this use.</td>
</tr>
<tr>
<td>Pome Fruit</td>
<td>Oriental Pear</td>
<td>13 to 16 fl oz</td>
<td></td>
</tr>
<tr>
<td>Citrus</td>
<td>San Jose Scale</td>
<td>13 to 16 fl oz</td>
<td>Apply by ground with airblast equipment in 100 to 400 gpa/A at delayed dormant with a superior spray oil at the manufacturer's recommended rates. Under heavy scale pressure, use the higher rate. Apply in sufficient water volume for tree size. Thorough coverage is critical for control. It is essential to use adequate water volume to ensure thorough coverage. For control of scale in-season make application in cover sprays when scale crawlers first emerge. The use of oil at the crawler emergence stage has been shown to improve performance. Follow local recommendations regarding in-season use and rates of oil in your area.</td>
</tr>
</tbody>
</table>

**GENERAL:** Esteem 0.8EC Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. Esteem 0.8EC Insect Growth Regulator has no activity on adult insects, but hatching of eggs laid by infected adults will be suppressed. Since Esteem 0.8EC Insect Growth Regulator is an Insect Growth Regulator (IGR) and activity depends on the insect's development, evidence of activity will be slower than typical contact insecticides.

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<tbody>
<tr>
<td>Olive</td>
<td>Black Scale</td>
<td>13 to 16 fl oz</td>
<td>Apply with ground equipment in 100 to 400 gpa/A. Apply in sufficient water volume for tree size. Thorough coverage is critical for adequate control. It is essential to use adequate water volume to ensure thorough coverage. Apply at either dormant, delayed dormant or an in-season cover spray. At dormant, delayed dormant use a spray oil at the manufacturer's recommended oil rate. In a cover spray make applications when scale crawlers first emerge. Follow local recommendations regarding in-season use and rates of oil in your area. Under heavy scale pressure, use the higher rate of Esteem 0.8EC Insect Growth Regulator.</td>
</tr>
<tr>
<td>Olive</td>
<td>San Jose Scale</td>
<td>13 to 16 fl oz</td>
<td></td>
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</tbody>
</table>

Esteem 0.8EC Insect Growth Regulator may be mixed and/or alternated with commonly used insecticides to comply with local IPM programs and Resistance Management programs. Do not apply within 7 days of harvest. Do not make more than 3 Esteem 0.8EC Insect Growth Regulator applications per growing season. Do not exceed 32 fl oz of Esteem 0.8EC Insect Growth Regulator per acre per season. Regardless of formulation, do not exceed 0.1 lb pyranylfenprop per acre per season. Do not apply earlier than 14 days after last Esteem 0.8EC Insect Growth Regulator treatment.

**MANAGING INSECT RESISTANCE:** Repeated use of the same class of insecticides with similar modes of action can lead to the buildup of resistant insect strains. To optimize resistance management practices, Valent USA Corporation is restricting Esteem 0.8EC Insect Growth Regulator to two applications per growing season. Esteem 0.8EC Insect Growth Regulator may be used in alternation with other ICR materials possessing dissimilar modes of action and/or with other chemical classes of insecticides. Follow local, state, and federal IPM and Insect Resistance Management (IRM) recommendations. Read and follow all product labels before applying any insecticide.
### POME FRUIT

**GENERAL:** Esteem® 0.86 EC Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. Esteem® 0.86 EC Insect Growth Regulator has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. Since Esteem® 0.86 EC Insect Growth Regulator is an Insect Growth Regulator (IGR) and activity depends on the insect’s development, evidence of activity will be slower than typical contact insecticides.

**Crop:**
- Apple
- Crabapple
- Lopast
- Mayhaw
- Quince
- Florida Red Scale
- Lecanium Scale
- San Jose Scale

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<tbody>
<tr>
<td>Pome Fruit: Coding Moth</td>
<td>Suppression of: Crabapple, Lopast, Mayhaw, Quince</td>
<td>13 to 16 fl oz</td>
<td>Apply by ground with airblast equipment in a minimum of 50 gal/acre. Thorough coverage is critical for control. It is essential to use adequate water volume to ensure thorough coverage.</td>
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<td></td>
<td></td>
<td></td>
<td>1st Generation Coding Moth: Apply at Biofix plus 100 degree days. This is usually close to petal fall. Make a second application 14 to 21 days later or timed to coincide with peak moth flight. For subsequent applications, if needed, apply other insecticides registered for Coding Moth control. The addition of oil has been shown to increase Coding Moth activity of Esteem® 0.86 EC Insect Growth Regulator. Follow local recommendations regarding in-season use and rates of oil in your area.</td>
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<td></td>
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<td></td>
<td>Obliquebanded and Pandemonium Leafroller: Apply to the overwintering larvae at the petal to petal half tree growth stage. Esteem® 0.86 EC Insect Growth Regulator does not directly control the larvae but initiates normal pupation and adult emergence.</td>
</tr>
<tr>
<td>Florida Red Scale</td>
<td></td>
<td>13 to 16 fl oz</td>
<td>Apply by ground with airblast equipment in a minimum of 50 gal/acre. Thorough coverage is critical for control. It is essential to use adequate water volume to ensure thorough coverage.</td>
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<td></td>
<td>Apply at delayed dormant through pink. For delayed dormant use a superior spray oil at the manufacturer’s recommended rate of oil. Under heavy scale pressure, use the higher rate of Esteem® 0.86 EC Insect Growth Regulator.</td>
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<td></td>
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<td>Scale: For control in-season, make application in cover sprays when scale crawlers first emerge. The use of oil at the crawler emergence stage has been shown to improve control. Follow local recommendations regarding in-season use and rates of oil in your area.</td>
</tr>
</tbody>
</table>

**POME FRUIT (continued)**

<table>
<thead>
<tr>
<th>CROP</th>
<th>PESTS</th>
<th>PRODUCT RATES PER ACRE</th>
<th>SPECIAL INSTRUCTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pome Fruit: Apple</td>
<td>Green Apple Aphid</td>
<td>10 to 16 fl oz</td>
<td>Apply by ground with airblast equipment in a minimum of 50 gal/acre. Thorough coverage is critical for control. It is essential to use adequate water volume to ensure thorough coverage.</td>
</tr>
<tr>
<td></td>
<td>Rosy Apple Aphid</td>
<td></td>
<td>Leaftoppers: Apply at peak moth flight for control of 1st or 2nd generation. This usually occurs at pre-bloom to pink apple stage for 1st generation and 2nd cover for 2nd generation.</td>
</tr>
<tr>
<td></td>
<td>Spider Leaf Roller</td>
<td></td>
<td>Rosy Apple Aphid: Apply at 1/2&quot; green apple growth stage.</td>
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<tr>
<td></td>
<td>Tetranychids</td>
<td></td>
<td>Green Apple &amp; Spirea Aphid: Apply when aphids first appear, but before aphids are colonized.</td>
</tr>
</tbody>
</table>

Esteem® 0.86 EC Insect Growth Regulator may be mixed and/or alternated with commonly used insecticides to comply with local IPM programs and Resistance Management programs.

Do not apply within 45 days of harvest.
Do not exceed 2 Esteem® 0.86 EC Insect Growth Regulator applications per growing season.
Do not exceed 32 fl oz of Esteem® 0.86 EC Insect Growth Regulator per acre per season.
Regardless of formulation, do not exceed 0.2 lb pyriproxyfen per acre per season.

Do not apply earlier than 14 days after last Esteem® 0.86 EC Insect Growth Regulator treatment.

**MANAGING INSECT RESISTANCE:** Repeated use of the same class of insecticides with similar modes of action can lead to the buildup of resistant insect strains. To optimize resistance management practices, Valant U.S.A. Corporation is restricting Esteem® 0.86 EC Insect Growth Regulator to two applications per growing season. Esteem® 0.86 EC Insect Growth Regulator may be used in alternation with other IGR materials possessing dissimilar modes of action and/or with other chemical classes of insecticides. Follow local, state, and federal IPM and Insect Resistance Management (IRM) recommendations. Read and follow all product labels before applying any insecticide.
Esteem® 0.86 EC INSECT GROWTH REGULATOR
Active Ingredient
Pyriproxyfen
8.6% Wt.
Calculation:
100 g / 1.193 g = 85.7% Wt.
FORMULATION
1.193 g/L
20 g
100 g

CONTAINS 0.86 POUND A.I. PER GALLON.
Contains pyridostigmine butrate.
NET CONTENTS 1 GALLON
KEEP OUT OF REACH OF CHILDREN
CAUTION
SEE BELOW FOR ADDITIONAL PRECAUTIONARY STATEMENTS
PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS & DOMESTIC ANIMALS
CAUTION
Causes skin and eye irritation. Do not get on skin, in eyes, or on clothing. Harmful if ingested. Swallowing or inadvertent through skin absorption may be hazardous. Protect surfaces with tarpaulin or otherfdflding. Wash thoroughly with soap and water after handling. Intensive contaminated clothing and wash clothing before reuse.

FIRST AID

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for further treatment advice.

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 further treatment advice.

If swallowed: Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

If inhaled: Do not use Breathing assistance if the person is not breathing; call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth. Call a poison control center or doctor for further 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 1-800-488-0808 for emergency medical treatment information.

NOTE TO PHYSICIANS
If ingested, probable mucosal damage may contraindicate the use of gastric lavage. This product contains a light hydrocarbon liquid; ingestion or subsequent vomiting can result in aspiration of this product, which can cause pneumonia.

PERSONAL PROTECTIVE EQUIPMENT (PPE):
Some materials that are chemical resistant to this product are listed below. If you want more options, follow the instructions for category 0 on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear: Coveralls over short-sleeved shirt and short pants or long-sleeved shirt and long pants, chemical-resistant gloves, such as Turner Laminator or Vinyl ≥ 14 mils, chemical-resistant footwear plus socks, chemical-resistant headgear for overhead exposure, and chemical-resistant apron when cleaning equipment, mixing, or loading.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's content. Wash clothing and other absorbent materials with detergent and water before further use. Clean/maintain PPE. If to such Instructions for washables, use chlorine 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 intermittent areas below the mean high water mark. Do not contaminate water by washing or disposing of equipment, washwater or rinsates. Avoid direct application and/or spray drift to beeswax.

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. 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 190. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

For complete directions for use, disclaimer and storage and disposal see booklet.

Manufactured for
Valent U.S.A. Corporation
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Walnut Creek CA 94596-0825
www.valent.com

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FIFRA Est. 6786-CA-Q-07, 3957-85-Q-07
Superscript is first letter of lot number.