



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

CHEIMICAL SAFETY AND POLL UTION PREVENTION

Ms. Linda Obrestad Labeling Specialist Registration and Regulatory Affairs Valent U.S.A. Corporation 1600 Riviera Avenue, Suite 200 P.O. Box 8025 Walnut Creek, CA 94596-8025

MAY 2 8 2013

Subject: Label Notification per PR Notice 98-10 Esteem 35WP EPA Reg. No. 59639-115 Application dated April 8, 2013

Dear Ms. Obrestad,

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The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated April 8, 2013 for the product, Esteem 35WP, EPA Reg. No. 59639-115. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action(s) requested fall within the scope of PRN 98-10. The label submitted with the application has (have) been stamped "Notification" and will be placed in our records.

If you have any questions, please call Kevin Sweeney at (703) 305-5063.

Sincerely

Richard Gebken

Product Mahager 10

Registration Division (7505P) Office of Pesticide Programs

Please read instructions on	:			Approve	-		O. Approval expires 2-28-
o ros		United States		-	Regist		OPF Identifier Number
SEPA	Environmental Protection Age Washington, DC 20460		• •	<u> </u>	Ameno	iment	
	¥ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	ington, co z	0460	_ ✓	Other		
		Applicat	ion for Pesticide - S	Section	n I		
1. Company/Product Number	er e e e e e e e e e e e e e e e e e e		2. EPA Product	Manager		3. Pro	posed Classification
59639-115			Mr. Richard 0	<u> 3ebken</u>			None Restricted
4. Company/Product (Name	•		PM#				
Esteem 35 WP IGR			10				
5. Name and Address of Ap	plicant (Include ZIP Co	ode)	6. Expedited	Reveiw	In accord	ance with	FIFRA Section 3(c)(3)
Valent U.S.A. Corpo			(b)(i), my proa	uct is sir	milar or ider	OTIFIC!	nposition and labeling
1600 Riviera Ave., S Walnut Creek, CA			EPA Reg. No	0			· · · · · · · · · · · · · · · · · · ·
[_					MAY 28	2013
Check it this	s is a new address		Product Nan	ne			
			Section - II				
Amendment - Explain	n below.		Final pr	rinted lab	els in repson	se to	
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Notification - Explain	below.		Other -	Explain b	elow.		
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Explanation: Use addition	•				!! - 4 ! (=		
Notification: Added White (except grape) section.	affy to list or pesis and	d changeu c	California use status on certa	ain crops	as listeu III	the sman m	uit vine climbing crops
(Onoop. 9p ,							
			•				
			Section - III				
1. Material This Product Will	De Deckaned In:		3666011 - 111				
Child-Resistant Packaging	Unit Packaging		Water Soluble Packaging	•	2 Type of	Container	
Child-Resistant Packaging Yes	Yes		Yes Yes	,	2. 1700	Metal	
√ No	No		√ No		1	Plastic	
٠	<u> </u>	Ala nor			-	Glass Paper	
* Certification must	If "Yes". Unit Packaging wgt.	No. per container	if "Yes" No. p Package wgt conta			Other (Sp	ecify)
be submitted	<u> </u>						-
3. Location of Net Contents I	nformation	4. Size(s) Re	teil Container	5. Lo	ocation of Lal	oel Direction	3
✓ Label Co	ontainer	3 lb. 2 o	z(10-5 oz)& 40 oz(10-4oz)		On Labe	∍ling	
6. Manner in Which Label is	Affixed to Product	Lithor	graph O r glued siled	ther			
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1. Contact Point (Complete i	items directly below fo	or identification	on of individual to be contact	ed, if nec	essary, to pr	ocess this e	pplication.)
Name			Title			Telephone	No ((ಸ್ಟ್ರೇude Area Code)
Linda Obrestad			Regulatory Analyst	,		925- 256-2	
		Certifica	ation	***************************************		· 6	3. Cate Application
I certify that the statem	nents I have made on	this form and	I all attachments thereto are	true, acci	urate and coi	npiete.	Received
l acknowledge that any both under applicable is		misleading sta	etement may be punishable b	y fine or	Imprisonmen	tores	(Stamped)
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Sinda (Phrestad)	Regulatory Analyst	Wi			The state
4. Typed Name	7 225		5. Date		12 (1 No contrac	tarres in	tall train
Linda Obrestad			April 8, 20	113			
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MAY 2 8 2013



[ABN: SEIZE™ 35 WP (INSECT GROWTH REGULATOR)]

GROUP (76 INSECTICIDE

ESTEEM® 35 WP (INSECT GROWTH REGULATOR)

Active Ingredient	By Wt.
*Pyriproxyfen	. 35.0%
Other Ingredients	65.0%
Total	

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

Esteem® 35 WP Insect Growth Regulator is a wettable powder formula containing 35% active ingredient.

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE NEXT PAGE FOR ADDITIONAL PRECAUTIONARY STATEMENTS

NET CONTENTS 5 OUNCES

[ABN: NET CONTENTS 4 OUNCES]

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS CAUTION

Causes moderate eye irritation. 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.

FIRST AID

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.

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 the poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

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 treatment advice.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact **800-892-0099** for emergency medical treatment information.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Applicators and other handlers must wear: long sleeved shirt, long pants, 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 temoving. As soon as possible, wash thoroughly and change into clean clothing.

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ENVIRONMENTAL HAZARDS:

This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water by disposing of equipment washwaters or rinsate. Avoid direct application and/or spray drift to bee hives.

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 STATEMEN TS 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.

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

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

RISKS OF USING THIS PRODUCT

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

[Optional Warranty/Disclaimer statement to be used when the product is subregistered by Makhteshim Agan of North America, Inc.]

LIMITATION OF WARRANTY AND LIABILITY

Read the entire directions for use, conditions of warranties and limitations of liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following CONDITIONS, DISCLAIMER OF WARRANTIES and LIMITATIONS OF LIABILITY.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Makhteshim Agan of North America, Inc. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, Makhteshim Agan of North America, Inc. makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of Makhteshim Agan of North America, Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Makhteshim Agan of North America, Inc. disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at Makhteshim Agan of North America, Inc.'s election, the replacement of product.

WATER SOLUBLE PACKAGING

MULTIPLE PACKAGING

This bag contains multiple water soluble packets of *Esteem 35* WP Insect Growth Regulator. Do not handle the packets with wet gloves or allow the packets to become wet prior to addition to spray tank. Do not break open packets. Refer to the Tables of Equivalents to calculate the number of packets to use. If all packets are not used, close and reseal outer container to protect remaining packet(s).

SINGLE PACKAGING

This bag contains one water soluble packet of *Esteem* 35 WP Insect Growth Regulator. Do not handle the packet with wet gloves or allow the packet to become wet prior to addition to spray tank. Do not break open packet. Refer to the Table of Equivalents to calculate the number of packets to use. Open outer bag by pulling perforated tearstrip and drop the unopened inner packet of *Esteem* 35 WP Insect Growth Regulator into spray tank.

TABLE OF EQUIVALENTS

RATES OF ESTEEM 35 WP PER ACRE	# OF WATER SOLUBLE PACKETS TO TREAT 5 ACRES [ABN: 4 ACRES]
3 oz	3
4 oz	4
5 oz	5

PRODUCT INFORMATION

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

Esteem 35 WP Insect Growth Regulator is intended for use in Integrated Pest Management (IPM) or Insect Resistance Management (IRM) programs. Esteem 35 WP 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 35 WP Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. Esteem 35 WP Insect Growth Regulator has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. Since Esteem 35 WP 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.

ARTICHOKE (GLOBE) [Not For Use in] [California] [New York]

GENERAL: Esteem 35 WP Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. Esteem 35 WP Insect Growth Regulator has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. Since Esteem 35 WP is an Insect Growth Regulator (IGR) and activity depends on the insect's development, evidence of activity will be slower than typical contact insecticides.

Esteem 35 WP Insect Growth Regulator does exhibit translaminar movement which means that Esteem 35 WP Insect Growth Regulator applied to the upper surfaces of the leaves will move to the lower surface of the leaf. This translaminar movement is very important to chemical control of whitefly since one of the major obstacles is getting the product to the underside of the leaves where whitefly are present.

PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
Artichoke Plum Moth Banded Wing Whitefly Greenhouse Whitefly Silverleaf Whitefly	2.5 to 3 oz	Apply with ground equipment in adequate water for uniform coverage (10 to 50 gals/A). HIGHER WATER VOLUMES MAY PROVIDE
Sweetpotato Whitefly		IMPROVED INSECT CONTROL. Begin applications when whiteflies reach threshold levels per University/Extension recommendations (e.g., 3 to 5 adults per leaf and/or equivalent levels of immatures).
		Under severe pressure, use the higher recommended rates. Only whole fields should be treated.

Esteem 35 WP Insect Growth Regulator may be mixed and/or alternated with commonly used insecticides to comply with local Integrated Pest Management (IPM) and Insect Resistance Management (IRM) programs.

- Do not apply within 7 days of harvest.
- Do not make more than 2 Esteem 35 WP Insect Growth Regulator applications per growing season.
- Do not exceed 6 oz of Esteem 35 WP Insect Growth Regulator per acre per season.
- Do not apply earlier than 14 days after last Esteem 35 WP Insect Growth Regulator treatment.
- Regardless of formulation do not apply more than 0.134 lb pyriproxyfen per acre per season.
- Do not plant any crop other than those with registered pyriproxyfen uses in treated areas sooner than 30 days after the last application.

MANAGING INSECT RESISTANCE: Repeated use of the same class of insecticides or 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* 35 WP Insect Growth Regulator to no more than two applications per growing season. *Esteem* 35 WP 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. Valent also does not recommend using rates below 2.5 oz per acre for whitefly control because reduced rates can lead to a greater potential for resistance development. Follow local, state and federal IPM and IRM recommendations. Read and refine wall product labels before applying any insecticide.

ASPARAGUS [Not For Use in] [California] [New York]

GENERAL: Esteem 35 WP Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. Esteem 35 WP Insect Growth Regulator has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. Since Esteem 35 WP 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.

Esteem 35 WP Insect Growth Regulator does exhibit translaminar movement which means that Esteem 35 WP Insect Growth Regulator applied to the upper surfaces of the leaves will move to the lower surface of the leaf. This translaminar movement is very important to chemical control of whitefly since one of the major obstacles is getting the product to the underside of the leaves where whitefly are present.

PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
Whitefly	2.5 to 3 oz	Apply with ground equipment in adequate water for uniform coverage (10 to 50 gals/A).
,		HIGHER WATER VOLUMES MAY PROVIDE IMPROVED INSECT CONTROL
		Begin applications when whiteflies reach threshold levels per University/Extension recommendations (e.g., 3 to 5 adults per leaf and/or equivalent levels of immatures).
		Under severe pressure, use the higher recommended rates.
		Only whole fields should be treated.

- Do not apply within 7 days of harvest.
- Do not make more than 2 Esteem 35 WP Insect Growth Regulator applications per growing season.
- Do not exceed 6 oz of Esteem 35 WP Insect Growth Regulator per acre per season.
- Do not apply earlier than 14 days after last Esteem 35 WP Insect Growth Regulator treatment.
- Regardless of formulation do not apply more than 0.134 lb pyriproxyfen per acre per season.
- Do not plant any crop other than those with registered pyriproxyfen uses in treated areas sooner than 30 days after the last application.

MANAGING WHITEFLY RESISTANCE: Repeated use of the same class of insecticides or insecticides with similar modes of action can lead to the buildup of resistant whitefly strains. To optimize resistance management practices, Valent U.S.A. Corporation is restricting *Esteem* 35 WP Insect Growth Regulator to no more than two applications per growing season. *Esteem* 35 WP 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. Valent also does not recommend using rates below 2.5 oz per acre for whitefly control because reduced rates can lead to a greater potential for resistance development. Followclocal, state and federal Integrated Pest Management (IPM) and Insect Resistance Management (IRM) recommendations. Read and follow all product labels before applying any insecticide.

BANANA AND PLANTAIN [Not For Use in] [California] [New York]

GENERAL: Esteem 35 WP Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. Esteem 35 WP Insect Growth Regulator has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. Since Esteem 35 WP is an Insect Growth Regulator (IGR) and activity depends on the insect's development, evidence of activity will be slower than typical contact insecticides.

ESTEEM 35 WP does exhibit translaminar movement which means that *Esteem* 35 WP Insect Growth Regulator applied to the upper surfaces of the leaves will move to the lower surface of the leaf. This translaminar movement is very important to chemical control of whitefly since one of the major obstacles is getting the product to the underside of the leaves where whitefly are present.

PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
Banded Wing Whitefly Greenhouse Whitefly Silverleaf Whitefly Sweetpotato Whitefly	4 to 5 oz	Apply with air or ground equipment in adequate water for uniform coverage: By air: 3 to 10 gals/A By ground: 10 to 50 gals/A HIGHER WATER VOLUMES MAY PROVIDE IMPROVED INSECT CONTROL. Begin applications when whiteflies reach threshold levels per University/Extension recommendations (e.g. 3 to 5 adults per leaf and/or equivalent levels of immatures). Only whole fields should be treated.

- Do not apply within 14 days of harvest.
- Do not make more than 3 Esteem 35 WP Insect Growth Regulator applications per growing season.
- Do not exceed 15 oz of Esteem 35 WP Insect Growth Regulator per acre per season.
- Regardless of formulation do not apply more than 0.327 lb pyriproxyfen per acre per season.
- Do not apply earlier than 14 days after last Esteem 35 WP Insect Growth Regulator treatment.
- Do not plant any crop other than those with registered pyriproxyfen uses in treated areas sooner than 30 days after the last application.

MANAGING WHITEFLY RESISTANCE: Repeated use of the same class of insecticides or insecticides with similar modes of action can lead to the buildup of resistant whitefly strains. To optimize resistance management practices, Valent U.S.A. Corporation is restricting *Esteem* 35 WP Insect Growth Regulator to no more than three applications per growing season. *Esteem* 35 WP 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. Valent also does not recommend using rates below 4 oz per acre for whitefly control because reduced rates can lead to a greater potential for resistance development. Follow local, state and federal Integrated Pest Management (IPM) and Insect Resistance Management (IRM) recommendations. Read and follow all product labels before applying any insecticide.

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BERRY

Low Growing, Except Strawberry (Subgroup 13-07H) [Not For Use in] [California] [New York]

GENERAL: ESTEEM 35 WP Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. *Esteem* 35 WP Insect Growth Regulator has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. Since Esteem 35 WP 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	PESTS	PRODUCT RATE PER ACRE	SPECIAL INSTRUCTIONS
Bearberry Bilberry Blueberry, Lowbush Cloudberry Cranberry Lingonberry	Cherry Fruitworm Cranberry Fruitworm Lecanium Scale	5 oz	Apply with ground or air equipment as a full coverage spray (minimum of 5 gals/A by air or 50 gals/A by ground). Thorough coverage is critical for adequate control. It is essential to use adequate water volume to ensure thorough coverage.
Muntries Partridgeberry Cultivars, varieties, and/or hybrids of these			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 as 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.
		ecticides to comply	or may be mixed and/or alternated with with local Integrated Pest Management (IPM) RM) programs.
	 Do not make mo per growing seas Do not exceed 1 season. Do not apply ear Regulator treatm 	son. 0 oz of <i>Esteem</i> 35 lier than 14 days a ent.	35 WP Insect Growth Regulator applications WP Insect Growth Regulator per acre per fter last Esteem 35 WP Insect Growth
	 Regardless of for per season. 	rmulation do not ar	oply more than 0.218 lb pyriproxyfen per acre

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* 35 WP Insect Growth Regulator to no more than two applications per growing season. *Esteem* 35 WP 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 IRM recommendations. Read and follow all product labels before applying any insecticide.

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BRASSICA LEAFY VEGETABLES (Crop Group 5)

GENERAL: Esteem 35 WP Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. Esteem 35 WP Insect Growth Regulator has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. Since Esteem 35 WP is an Insect Growth Regulator (IGR) and activity depends on the insect's development, evidence of activity will be slower than typical contact insecticides.

Esteem 35 WP Insect Growth Regulator does exhibit translaminar movement which means that Esteem 35 WP Insect Growth Regulator applied to the upper surfaces of the leaves will move to the lower surface of the leaf. This translaminar movement is very important to chemical control of whitefly since one of the major obstacles is getting the product to the underside of the leaves where whitefly are present.

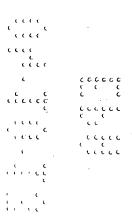
CROPS	PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
Broccoli Broccoli Raab (rapini) Brussels Sprouts Cabbage Cauliflower Cavalo Broccolo Chinese Broccoli (gailon) Chinese Cabbage (bok choy and napa) Chinese Mustard (gai choy) Collards Kale Kohlrabi Mizuna Mustard Greens Mustard Spinach Rape Greens	Banded Wing Whitefly Greenhouse Whitefly Silverleaf Whitefly Sweetpotato Whitefly	2.5 to 3 oz	Apply with ground equipment in adequate water for uniform coverage (10 to 50 gals/A). HIGHER WATER VOLUMES MAY PROVIDE IMPROVED INSECT CONTROL. Begin applications when whiteflies reach threshold levels per University/Extension recommendations (e.g. 3 to 5 adults per leaf and/or equivalent levels of immatures). Under severe pressure, use the higher recommended rates.
Napo Grosilo			Only whole fields should be treated.
	 applications per growing per per per per per per per per per per	an 2 Esteem 35 WF ing season. steem 35 WP Insertant 14 days after la ation do not apply mother than those w	P Insect Growth Regulator of Growth Regulator per acre per st Esteem 35 WP Insect Growth hore than 0.134 lb pyriproxyfen per ith registered pyriproxyfen uses in the last application.

MANAGING WHITEFLY RESISTANCE: Repeated use of the same class of insecticides with similar modes of action can lead to the buildup of resistant whitefly strains. To optimize resistance management practices, Valent U.S.A. Corporation is restricting *Esteem* 35 WP Insect Growth Regulator to no more than two applications per growing season. *Esteem* 35 WP 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. Valent also does not recommend using rates below 2.5 oz/A for whitefly control because reduced rates can lead to a greater potential for resistance development. Follow local, state and federal Integrated Pest Management (IPM) and Insect Resistance Management (IRM) recommendations. Read and follow all product labels before applying any insecticide.

BULB VEGETABLES (Crop Group 3-07)

GENERAL: Esteem 35 WP Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. Esteem 35 WP Insect Growth Regulator has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. Since Esteem 35 WP is an Insect Growth Regulator (IGR) and activity depends on the insect's development, evidence of activity will be slower than typical contact insecticides.

			
	,	PRODUCT	
CROPS	PESTS	RATES	SPECIAL INSTRUCTIONS
	<u> </u>	PER ACRE	
Garlic Garlic, Great Headed Leek Onion, Dry Bulb Onion, Green Onion, Welsh Shallot	Onion Thrips Western Flower Thrip	2.5 oz	FOR SUPPRESSION OF THRIPS: Apply with ground equipment in adequate water for uniform coverage (20 to 50 gals/A). Begin applications when thrips reach threshold levels per University/Extension. Thorough coverage is critical for adequate water volume to ensure thorough coverage.
	 Esteem 35 WP Insect Growth Regulator may be mixed and/or alternated with commonly used insecticides to comply with local Integrated Pest Management (IPM) and Insect Resistance Management (IRM) programs. Do not apply within 3 days of harvest. Do not make more than 2 Esteem 35 WP Insect Growth Regulator applications per growing season. Do not exceed 5 oz of Esteem 35 WP Insect Growth Regulator per acre per season. Do not apply earlier than 14 days after last Esteem 35 WP Insect Growth Regulator treatment. Regardless of formulation do not apply more than 0.134 lb pyriproxyfen per acre per season. Do not plant any crop other than those with registered pyriproxyfen uses in treated 		



BUSHBERRY (Subgroup 13-07B)

GENERAL: Esteem 35 WP Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. Esteem 35 WP Insect Growth Regulator has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. Since Esteem 35 WP is an Insect Growth Regulator (IGR) and activity depends on the insect's development, evidence of activity will be slower than typical contact insecticides.

insect's development, evid	ence of activity will be sli		contact insecticides.
	1	PRODUCT	·
CROPS	PESTS	RATE	SPECIAL INSTRUCTIONS
	{	PER ACRE	•
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	Cherry Fruitworm Cranberry Fruitworm Lecanium Scale	5 oz	Apply with ground or air equipment as a full coverage spray (minimum of 5 gals/A by air or 50 gals/A by ground). Thorough 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 to 14 day intervals, may be needed under high population pressure or sustained moth flight. Lecanium Scale: Apply at either dormant, delayed dormant or an inseason 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 inseason use and rates of oil in your
	commonly used insection	ides to comply w	area. may be mixed and/or alternated with vith local Integrated Pest Management
	(IPM) and Insect Resist	ance Managem	ent (IRM) programs.
	Do not apply within	•	
	 Do not make more applications per gro 		5 WP Insect Growth Regulator
			WP Insect Growth Regulator per 🥰
	 Do not apply earlier 		ter last Esteem 35 WP Insect
	Growth Regulator t		ply more than 0.218,lb,oyriproxy <u>fen.</u>
	per acre per season		Ply more than 0.2(10,00) him by more than 0.2(10,00) him b

CANEBERRY (Subgroup 13-07A) [Not For Use in] [California] [New York]

GENERAL: Esteem 35 WP Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. Esteem 35 WP Insect Growth Regulator has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. Since Esteem 35 WP is an Insect Growth Regulator (IGR) and activity depends on the insect's development, evidence of activity will be slower than typical contact insecticides.

nsect's development, evidence of activity will be slower than typical contact insecticides.				
CROPS	DESTS	PRODUCT RATE	SPECIAL INSTRUCTIONS	
CROPS	PESTS	PER ACRE	SPECIAL INSTRUCTIONS	
Blackberry including:	Cherry Fruitworm	5 oz	Apply with ground or air equipment as a	
Bingleberry	Cranberry	5 02	full coverage spray (minimum of 5 gals/A	
Black Satin Berry	•		by air or 50 gals/A by ground). Thorough	
Boysenberry	Fruitworm Lecanium Scale		coverage is critical for adequate control.	
	Lecanium Scale			
Cherokee Blackberry			It is essential to use adequate water	
Chesterberry			volume to ensure thorough coverage.	
Cheyenne Blackberry			Equitare and Apply when against	
Coryberry Darrowberry			Fruitworms: Apply when egg laying	
Darrowberry			begins and again at petal fall. Additional applications of another insecticide, at 10	
Dirksen Thornless Berry	1		to 14 day intervals, may be needed	
1			under high population pressure or	
Himalayaberry Hullberry			sustained moth flight.	
Lavacaberry	1		sustained motif night.	
Lowberry	. 1		Lecanium Scale: Apply at either	
Lucretiaberry			dormant, delayed dormant or an in-	
Mammoth Blackberry			season cover spray. At dormant or	
Marionberry			delayed dormant use a spray oil at the	
Necterberry			manufacturer's recommended oil rate. In	
Olallieberry			a cover spray make applications when	
Oregon Evergreen berry	·		scale crawlers first emerge. Follow local	
Phenomenalberry			recommendations regarding in-season	
Rangerberry	ř.		use and rates of oil in your area.	
Ravenberry			dec and rates of on in your area.	
Rossberry				
Shawnee Blackberry			,	
Loganberry				
Raspberry, including:				
Bababerry				
Black raspberry			İ	
Blackcap) .		<u> </u>	
Caneberry				
Framboise	C-4 05 14/D 1	t Owners Describe	An and be mind and a characted with	
Frambueso			tor may be mixed and/or alternated with	
Himbeere	-		ith local Integrated Pest Management (IPM)	
Kariberry	and Insect Resistance	Management (IR	w) programs.	
Mayberry		-		
Red raspberry	Do not apply withi			
Thimbleberry	Do not make more than 2 Esteem 35 WP Insect Growth Regulator			
Tulameen	applications per g			
Yellow raspherry		oz of Esteem 35 \	WP Insect Growth Regulator per acre per	
Wild (gspberry	season.			
Youngberry	1	·-	ter last Esteem 35 WP Insect Growth	
cCultivars, varieties, and/or	Regulator treatme			
hybrids of these	Regardless of formulation do not apply more than 0.218 lb pyriproxyfen per			
MANACINC INSECT DESIGNATION	acre per season.	of the come	alaaa af ina astiaidan with aimilas waada.	

CITRUS FRUIT (Crop Group 10-10)

GENERAL: Esteem 35 WP Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. Esteem 35 WP Insect Growth Regulator has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. Since Esteem 35 WP 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	PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
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	Black Scale Brown Soft Scale California Red Scale Florida Red Scale Snow Scale	5 oz	Apply with ground equipment in 200 to 1500 gals/A. 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. Thorough coverage is essential for good control. Esteem 35 WP 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.
Sweet Lime Tachibana Orange Tahiti Lime Tangelo Tangerine (mandarin) Tangor Trifoliate Orange Uniq Fruit Cultivars, varieties, and/or hybrids of these	commonly used insection programs and Insect R Do not apply within Do not make more per growing seaso. Do not exceed 5 conseason.	cides to comply with esistance Manager of 1 day of harvest the than 1 Esteem 3 on. The streem 35 W. The stre	, ,, ,, <u>,</u>

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CITRUS FRUIT (Crop Group 10-10)-continued

CITKOSTROIT	RUS FRUIT (Crop Group 10-10)-continued			
CROPS	PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS	
Australian Desert Lime Australian Finger- lime Australian Round Lime Brown River Finger Lime	Citrus Black Fly Citrus Leafminer Citrus Whitefly	3 oz	Apply with ground application in 200 to 1500 gals/A. 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	
Calamondin Citron Citrus hybrids Grapefruit Japanese			build and before infestation has occurred. Thorough coverage is essential for good control.	
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		nply with local Integrate	e mixed and/or alternated with commonly d Pest Management (IPM) programs and s.	
Tangerine (mandarin) Tangor Trifoliate Orange Uniq Fruit	growing season.Do not exceed 6 orRegardless of form	than 2 Esteem 35 WP I z of Esteem 35 WP Inse	nsect Growth Regulator applications per ect Growth Regulator per acre per season. re than 0.134 lb pyriproxyfen per acre per	
Cultivars, เหล้าใช่เรื่อร, and/or hyธาเด็ร of these	season.Do not apply earlie treatment.	r than 21 days after last	Esteem 35 WP Insect Growth Regulator	

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* 35 WP Insect Growth Regulator to no more than two applications per growing season. *Esteem* 35 WP 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 IRM recommendations. Read and follow all product labels before applying any insecticide.

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COTTON

GENERAL: Esteem 35 WP Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. Esteem 35 WP Insect Growth Regulator has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. Since Esteem 35 WP is an Insect Growth Regulator (IGR) and activity depends on the insect's development, evidence of activity will be slower than typical contact insecticides.

Esteem 35 WP Insect Growth Regulator does exhibit translaminar movement which means that Esteem 35 WP Insect Growth Regulator applied to the upper surfaces of the leaves will move to the lower surface of the leaf. This translaminar movement is very important to chemical control of whitefly since one of the major obstacles is getting the product to the underside of the leaves where whitefly are present.

PESTS	PRODUCT RATE PER ACRE	SPECIAL INSTRUCTIONS	
Banded Wing Whitefly Greenhouse Whitefly Silverleaf Whitefly	2.5 to 3 oz	Apply with air or ground equipment in adequate water for uniform coverage:	
Sweetpotato Whitefly	Do not apply less than 2.5 oz/A	By Air: 3 to 10 gals/A By Ground: 10 to 50 gals/A	
		HIGHER WATER VOLUMES MAY PROVIDE IMPROVED INSECT CONTROL.	
		Make only one application per growing season.	
		Begin application when whiteflies reach threshold levels per University/Extension recommendations (e.g. 3 to 5 adults per leaf and/or equivalent levels of immatures).	
		Under severe pressure, use the higher recommended rates.	
		Only whole fields should be treated.	

- Do not apply within 28 days of harvest.
- Do not make more than 1 Esteem 35 WP Insect Growth Regulator application per growing season.
- Do not exceed 3 oz Esteem 35 WP Insect Growth Regulator per acre per season.
- Regardless of formulation do not apply more than 0.067 lb pyriproxyfen per acre per season.
- Do not plant any crop other than those with registered pyriproxyfen uses in treated areas sooner than 30 days after last application.

managing whitefly resistance: Repeated use of the same class of insecticides with similar modes of action can lead to the buildup of resistant whitefly strains. To optimize resistance management practices, Valent U.S.A. Corporation is restricting *Esteem* 35 WP Insect Growth Regulator to one application per growing season. *Esteem* 35 WP 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. Valent also does not recommend using rates below 2.5 oz per acre for whitefly control because reduced rates can lead to a greater potential for resistance development. Follow local, states and federal Integrated Pest Management (IPM) and Insect Resistance Management (IRM).

CUCURBITS (Crop Group 9)

GENERAL: Esteem 35 WP Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. Esteem 35 WP Insect Growth Regulator has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. Since Esteem 35 WP is an Insect Growth Regulator (IGR) and activity depends on the insect's development, evidence of activity will be slower than typical contact insecticides.

ESTEEM 35 WP does exhibit translaminar movement which means that *Esteem* 35 WP Insect Growth Regulator applied to the upper surfaces of the leaves will move to the lower surface of the leaf. This translaminar movement is very important to chemical control of whitefly since one of the major obstacles is getting the product to the underside of the leaves where whitefly are present.

CROP	PESTS	PRODUCT RATE PER ACRE	SPECIAL INSTRUCTIONS
Balsam Apple Balsam Pear	Banded Wing Whitefly Greenhouse Whitefly	2.5 to 3 oz	Apply with air or ground equipment in adequate water for uniform
Bitter Melon Cantaloupe Chayote	Silverleaf Whitefly Sweetpotato Whitefly	Do not apply less than 2.5 oz/A.	coverage: By air: 3 to 10 gals/A By Ground: 10 to 50 gals/A
Chinese Cucumber Chinese Waxgourd Citron Melon Cucumber Edible Gourd			HIGHER WATER VOLUMES MAY PROVIDE IMPROVED INSECT CONTROL.
Gherkin Momordica spp Muskmelon Pumpkin Summer Squash Watermelon			Begin application when whiteflies reach threshold levels per University/Extension recommendations (e.g. 3 to 5 adults per leaf and/or equivalent levels of
Winter Squash			immatures). Under severe pressure, use the higher recommended rates.
			Only whole fields should be treated.
	growing season. Do not exceed 6 oz Est Do not apply earlier that treatment.	2 Esteem 35 WP Insect eem 35 WP Insect Grown n 14 days after last Este	t Growth Regulator applications per with Regulator per acre per season. Seem 35 WP Insect Growth Regulator an 0.134 lb pyriproxyfen per acre per
((((Do not plant any crop of areas sooner than 30 d		stered pyriproxyfen uses in treated ation.

MANAGING WHITEFLY RESISTANCE: Repeated use of the same class of insecticides with similar modes of action can lead to the buildup of resistant whitefly strains. To optimize resistance management practices, Valent U.S.A. Corporation is restricting Esteem 35 WP Insect Growth Regulator to no more than two applications per growing season. Esteem 35 WP 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. Valent also does not recommend using rates below 2.5 oz/A for whitefly control because reduced rates can lead to a greater potential for resistance development. Follow local, state and federal Integrated Pest Management (IPM) and Insect Resistance Management (IRM) recommendations. Read and follow all product labels before applying any insecticide.

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FRUITING VEGETABLES (Crop Group 8-10)

GENERAL: Esteem 35 WP Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. Esteem 35 WP Insect Growth Regulator has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. Since Esteem 35 WP is an Insect Growth Regulator (IGR) and activity depends on the insect's development, evidence of activity will be slower than typical contact insecticides.

Esteem 35 WP Insect Growth Regulator does exhibit translaminar movement which means that Esteem 35 WP Insect Growth Regulator applied to the upper surfaces of the leaves will move to the lower surface of the leaf. This translaminar movement is very important to chemical control of whitefly since one of the major obstacles is getting the product to the underside of the leaves where whitefly are present.

CROPS	PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
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	Banded Wing Whitefly Greenhouse Whitefly Silverleaf Whitefly Sweetpotato Whitefly	2.5 to 3 oz Do not apply less than 2.5 oz/A of Esteem 35 WP Insect Growth Regulator when used as a stand alone application.	Apply with air or ground equipment in adequate water for uniform coverage: By Air: 3 to 10 gals/A By Ground: 10 to 50 gals/A HIGHER WATER VOLUMES PROVIDE IMPROVED INSECT CONTROL. Begin application when whiteflies reach threshold levels per University/Extension recommendations (e.g. 3 to 5 adults per leaf and/or equivalent levels of immatures). Under severe pressure, use the higher
Scarlet Eggplant Sunberry Tomatillo Tomato Tree Tomato Cultivars, varieties, and/or hybrids of these	Banded Wing Whitefly Cabbage Looper Green Peach Aphid Greenhouse Whitefly (immatures & adults) Silverleaf Whitefly Sweetpotato Whitefly Tobacco Hornworm	1.8 to 2.5 oz	recommended rates. Only whole fields should be treated. Apply as a tank mix with ground equipment for uniform coverage (25 to 150 gals/A by ground). Make application when eggs or insects first appear. If control is needed during this period use an alternate insecticide registered for the target pest.
			Esteem 35 WP Insect Growth, Regulator may also be mixed or alternated with commonly used insecticides to comply with local IPM programs. Comply with ali applicable Comply with ali applicable directions, restrictions and precautions on the registered tanks mix partner labels or comply with all applicable comply with ali applicable comply with

continued

FRUITING	VEGETARI ES	(Cron Group	8-10) continued
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CROP	PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
Tomato	Banded Wing Whitefly Beet Armyworm Fruitworm Greenhouse Whitefly (immatures & adults) Potato Aphid Silverleaf Whitefly Sweetpotato Whitefly Thrips Tomato Pinworm Yellowstriped Armyworm	1.8 to 2.5 oz + Danitol [®] 2.4 EC Spray 10-2/3 fl oz	EARLY SEASON WHITEFLY CONTROL PROGRAM FOR REDUCTION OF GEMINIVIRUS: Apply as a tank mix with ground equipment for uniform coverage (10 to 120 gals/A). Make application when scouting first indicates adult whiteflies are on young plants. NOTE: This may result in treatment immediately following transplanting.
			MID TO LATE SEASON WHITEFLY CONTROL PROGRAM FOR PREVENTION OF IRREGULAR FRUIT RIPENING: Apply as a tank mix with ground equipment for uniform coverage (20 to 120 gals/A by ground). Make application when scouting indicates whiteflies are present.
			Esteem 35 WP Insect Growth Regulator may also be mixed or alternated with commonly used insecticides to comply with local IPM programs.
			Comply with all applicable directions, restrictions and precautions on the registered label for <i>Danitol</i> 2.4 EC Spray.
	used insecticides to comply Resistance Management (II Do not apply within 14	with local Integrated Pest Market (Market) programs. days of harvest.	and/or alternated with commonly anagement (IPM) and Insect owth Regulator applications per
	growing season. Do not exceed 5 oz Es. Do not apply earlier that treatment.	teem 35 WP Insect Growth R an 14 days after last <i>Esteem</i> 3	legulator per acre per season. 35 WP Insect Growth Regulator 109 lb pyriproxyfen per acre per
	Do not plant any crop of	other than those with registers days after the last application	ed pyriproxyfen uses in treated

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 35 WP Insect Growth Regulator to no more than two applications per growing season. Esteem 35 WP 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. Valent also does not recommend using rates below 2.5 oz/A for whitefly control because reduced rates can lead to a greater potential for resistance development. Follow local, state and federal IPM and IRM recommendations. Read and follow all product labels before applying any insecticide.

GRAPE [Not For Use in New York]

GENERAL: Esteem 35 WP Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. Esteem 35 WP Insect Growth Regulator has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. Since Esteem 35 WP is an insect growth regulator (IGR) and activity depends on the insects' development, evidence of activity will be slower than typical contact insecticides.

PESTS	PRODUCT RATE PER ACRE	SPECIAL INSTRUCTIONS
Glassy-Winged Sharpshooter Grape Berry Moth Lecanium Scale	5 oz	Apply with ground equipment as a full coverage spray (50 to 200 gals/A). Thorough coverage is critical for adequate control. It is essential to use adequate water volume to ensure thorough coverage.
		Lecanium Scale: Apply at either dormant, delayed dormant or an in-season cover spray. At dormant, delayed dormant you may use a spray oil at the manufacturer's recommended oil rate. Do not use oil in an in-season spray. 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 35 WP Insect Growth Regulator may be mixed and/or alternated with commonly used insecticides to comply with local Integrated Pest Management (IPM) and Insect Resistance Management (IRM) programs.

- Do not apply within 21 days of harvest.
- Do not make more than 2 Esteem 35 WP Insect Growth Regulator applications per growing season.
- Do not exceed 10 oz Esteem 35 WP Insect Growth Regulator per acre per season.
- Do not apply earlier than 14 days after last Esteem 35 WP Insect Growth Regulator treatment.
- Regardless of formulation, do not apply more than 0.218 lb active of pyriproxyfen per acre per season.



HERB (Subgroup 19A) [Not For Use in] [California] [New York]

GENERAL: Esteem 35 WP Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. Esteem 35 WP Insect Growth Regulator has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. Since Esteem 35 WP is an Insect Growth Regulator (IGR) and activity depends on the insect's development, evidence of activity will be slower than typical contact insecticides.

Esteem 35 WP Insect Growth Regulator does exhibit translaminar movement which means that Esteem 35 WP Insect Growth Regulator applied to the upper surfaces of the leaves will move to the lower surface of the leaf. This translaminar movement is very important to chemical control of whitefly since one of the major obstacles is getting the product to the underside of the leaves where whitefly are

present.

CROPS	PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS	
Angelica, Balm Basil Borage Burnet Chamomile	Whiteflies, including: Banded Wing Whitefly Greenhouse Whitefly Silverleaf Whitefly Sweetpotato Whitefly	2.5 to 3 oz	Apply with ground equipment in adequate water for uniform coverage. A minimum of 20 gallons per acre for ground applications	
Catnip Chervil (dried) Chive Chive, Chinese			HIGHER WATER VOLUMES MAY PROVIDE IMPROVED INSECT CONTROL.	
Clary Coriander (leaf) Costmary Cilantro (leaf) Curry (leaf) Dillweed			Begin applications when whiteflies reach threshold levels. Under severe pressure, use the higher recommended rates.	
Horehound Hyssop Lavender Lemongrass			Treat only whole fields.	
Lovage (leaf) Marigold Marjoram Nasturtium Paralloy (dried)				
Parsley (dried) Pennyroyal Rosemary	Do not apply within 1 (one	e) day of harvest		
Rue Sage Savory, Summer and Winter	 Do not make more than 2 growing season. Do not exceed 6 oz of Es 	2 Esteem 35 WP Insect Growt	owth Regulator applications per	
Sixeet Bay 'fansy ' Tarragon	treatment. Regardless of formulat			
Thyripe Wintergreen Woodruff ("C") Wormwood	 Do not plant any crop other than those with registered Esteem 35 WP Insect Growth Regulator uses in treated areas sooner than 30 days after the last application. 			

MANAGING WHITEFLY RESISTANCE: Repeated use of the same class of insecticides with similar modes of action can lead to the buildup of resistant whitefly strains. To optimize resistance management practices, Valent U.S.A. Corporation is restricting Esteem 35 WP Insect Growth Regulator to no more than two applications per growing season. Esteem 35 WP 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. Valent also does not recommend using rates below 2.5 oz/A for whitefly control because reduced rates can lead to a greater potential for resistance development. Follow local, state and federal Integrated Pest Management (IPM) and Insect Resistance Management (IRM) recommendations. Read and follow all product labels before applying any insecticide.

LEAFY VEGETABLES Except Brassica Vegetables (Crop Group 4) [Not For Use in] [California] [New York]

GENERAL: Esteem 35 WP Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. Esteem 35 WP Insect Growth Regulator has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. Since Esteem 35 WP is an Insect Growth Regulator (IGR) and activity depends on the insect's development, evidence of activity will be slower than typical contact insecticides.

Esteem 35 WP Insect Growth Regulator does exhibit translaminar movement which means that Esteem 35 WP Insect Growth Regulator applied to the upper surfaces of the leaves will move to the lower surface of the leaf. This translaminar movement is very important to chemical control of whitefly since one of the major obstacles is getting the product to the underside of the leaves where whitefly are present.

CROPS	PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
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	Banded Wing Whitefly Greenhouse Whitefly Silverleaf Whitefly Sweetpotato Whitefly	2.5 to 3 oz	Apply with ground equipment in adequate water for uniform coverage (10 to 50 gals/A). HIGHER WATER VOLUMES MAY PROVIDE IMPROVED INSECT CONTROL. Begin applications when whiteflies reach threshold levels per University/Extension recommendations. Under severe pressure, use the higher recommended rates. Only whole fields should be treated.
Purslane, Garden Purslane, Winter Radicchio (Red Chicory) Rhubarb Spinach New Zealand Spinach Vine Spinach Swiss Chard	 season. Do not apply earlier that Regulator treatment. Regardless of formulat acre per season. 	n 2 Esteem 35 WP Insing season. Steem 35 WP Insect Gran 14 days after last Estion do not apply more other than those with re	owth Regulator per acre per steem 35 WP Insect Growth than 0.134 lb pyriproxyfen per significant control of the pyriproxyfen uses in the control of the pyriproxyfen uses in the control of the pyriproxyfen uses in the pyri

managing whitefly resistance: Repeated use of the same class of insecticides with similar modes of action can lead to the buildup of resistant whitefly strains. To optimize resistance management practices, Valent U.S.A. Corporation is restricting *Esteem* 35 WP Insect Growth Regulator to no more than two applications per growing season. *Esteem* 35 WP 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. Valent also does not recommend using rates below 2.5 oz/A for whitefly control because reduced rates can lead to a greater potential for resistance development. Follow local, state and federal Integrated Pest Management (IPM) and Insect Resistance Management (IRM) recommendations.

LEAVES OF ROOT & TUBER VEGETABLES Human Food or Animal Feed (Crop Group 2) [Not For Use in] [California] [New York]

GENERAL: Esteem 35 WP Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. Esteem 35 WP Insect Growth Regulator has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. Since Esteem 35 WP is an Insect Growth Regulator (IGR) and activity depends on the insect's development, evidence of activity will be slower than typical contact insecticides.

Esteem 35 WP Insect Growth Regulator does exhibit translaminar movement which means that Esteem 35 WP Insect Growth Regulator applied to the upper surfaces of the leaves will move to the lower surface of the leaf. This translaminar movement is very important to chemical control of whitefly since one of the major obstacles is getting the product to the underside of the leaves where whitefly are present.

CROPS	PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
Beet, Garden Burdock, Edible Carrot Cassava, Bitter Cassava, Sweet Celeriac	Banded Wing Whitefly Greenhouse Whitefly Silverleaf Whitefly Sweetpotato Whitefly	2.5 to 3 oz	Apply with ground equipment in adequate water for uniform coverage (10 to 50 gals/A). HIGHER WATER
Chervil, Turnip-Rooted Chicory Dasheen (Taro) Parsnip			VOLUMES MAY PROVIDE IMPROVED INSECT CONTROL.
Radish Radish, Oriental (Daikon) Rutabaga Salsify, Black Sugar Beet Sweet Potato Tanier			Begin applications when whiteflies reach threshold levels per University/Extension recommendations (e.g. 3 to 5 adults per leaf and/or equivalent levels of immatures).
Turnip Yam, True			Under severe pressure, use the higher recommended rates.
			Only whole fields should be treated.
		lys of harvest. 2 <i>Esteem</i> 35 WP Insect Grov	wth Regulator applications
	 per growing season. Do not exceed 5 oz <i>Esteem</i> 35 WP Insect Growth Regulator per acre per sea Do not apply earlier than 14 days after last <i>Esteem</i> 35 WP Insect Growth Regulator treatment. 		
C ((((((((((((((((((((((((((((((((((((Regardless of formulation do not apply more than 0.109 lb pyriproxyfen per acre per season. Do not plant any crop other than those with registered pyriproxyfen uses in 		
((((((((((((((((((((treated areas sooner that Do not allow livestock to	an 30 days after the last appli graze treated areas.	cauon.

MANAGING WHITEFLY RESISTANCE: Repeated use of the same class of insecticides with similar modes of action care lead to the buildup of resistant whitefly strains. To optimize resistance management practices, Valent U.S.A. Corporation is restricting Esteem 35 WP Insect Growth Regulator to no more than two applications per growing season. Esteem 35 WP 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. Valent also does not recommend using rates below 2.5 oz/A for whitefly control because reduced rates can lead to a greater potential for resistance development. Follow local, state and federal Integrated Pest Management (IPM) and Insect Resistance Management (IRM) recommendations. Read and follow all product labels before applying any insecticide.

LEGUME VEGETABLES Succulent or Dried (Crop Group 6)

GENERAL: Esteem 35 WP Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. Esteem 35 WP Insect Growth Regulator has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. Since Esteem 35 WP is an insect growth regulator (IGR) and activity depends on the insects' development, evidence of activity will be slower than typical contact insecticides.

Esteem 35 WP Insect Growth Regulator exhibits translaminar movement which means that Esteem 35 WP Insect Growth Regulator applied to the upper surfaces of the leaves will move to the lower surface of the leaf. This translaminar movement is very important to chemical control of whitefly since one of the major obstacles is getting the product to the underside of the leaves where whitefly are present.

CROPS	PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
Beans (Lupinus):	Banded Wing Whitefly	2.5 to 3 oz	EARLY SEASON WHITEFLY PROGRAM: Apply
Grain Lupin	Greenhouse Whitefly		with ground equipment in adequate water for
Sweet Lupin	Silverleaf Whitefly	1	uniform coverage (10 to 50 gals/A. Thorough
White Lupin	Sweetpotato Whitefly	l	coverage is critical for adequate control. It is
White Sweet Lupin		}	essential to use adequate water volume to
Beans (Phaaseolus):	1	Į	ensure thorough coverage.
Field Bean	,		
Kidney Bean		,	Begin applications when whiteflies reach
Lima Bean	j	\$	threshold levels per University/Extension
Navy Bean	1	į	recommendations (e.g. 3 to 5 adults per leaf and/or equivalent levels of immatures).
Pinto Bean		}	and/or equivalent levels of immatures).
Runner Bean		i	Under severe pressure, use the higher
Snap Bean		j	recommended rates.
Tepary Bean	}	1	l loosiiiiioiidea lates.
Wax Bean	\	[Only whole fields should be treated.
Bean (Vigna):	}		
Adzuki Bean	1	1	,
Asparagus Bean	ľ		
Blackeyed Pea	1	}	
Catjang	\	}	·
Chinese Longbean	t	.	
Cowpea	}		
Crowder Pea	1 .		,
Moth Bean	- {		
Mung Bean	1	1	
Rice Bean	}		
Southern Pea	1		
Urd Bean	ļ		
Yardlong Bean		}	·
	1	Ì	
Broad Bean (fava)	1	}	•
Chickpea (garbanzo)			
Guar			
Jackbean	1		•
Lablab Bean	†		
Lentil	į		
Pea (Pisum):	[California only] [New Yo	rk only) (not for use on	sovbeans) ((()
Dwarf Pea	Do not apply within 3		ccc
Edible-podded Pea			nsect Growth Regulator applications per growing د د
English Pea		IAII & ESIECIII 33 VVP II	
Field Pea	season.	Estatus DE VAID () (CCCC
Garden Pea	Do not exceed 6 oz	Esteem 35 WP Insect (Growth Regulator per acre per season.
Green Pea			Esteem 35 WP Insect Growth Regulator treatment,
Snowpea	 Regardless of formula 	lation, do not apply mo	re than 0.134 lb of pyriproxyren per acre perce cec
Sugar Snap Pea	season.	* * *	ciciic
Pigeon Pea	 Do not plant any cro 	p other than those with	registered pyriproxyfen uses in treated areas
Soybean		after the last application	
Sword Bean		k to graze treated area	
U.170, G DCUIT	- Do not anow headed	g. unu woulde alca	اع. زرزن

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LEGUME VEGETABLES Succulent or Dried (Crop Group 6) - continued

MANAGING WHITEFLY RESISTANCE: Repeated use of the same class of insecticides or insecticides with similar modes of action can lead to the buildup of resistant whitefly strains. To optimize resistance management practices. Valent U.S.A. Corporation is restricting Esteem 35 WP Insect Growth Regulator to no more than two applications per growing season. Esteem 35 WP 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. Valent also does not recommend using rates below 2.5 oz per acre for whitefly control because reduced rates can lead to a greater potential for resistance development. Follow local, state and federal IPM and IRM recommendations. Read and follow all product labels before applying any insecticide.

OLIVE

GENERAL: Esteem 35 WP Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. Esteem 35 WP Insect Growth Regulator has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. Since Esteem 35 WP is an Insect Growth Regulator (IGR) and activity depends on the insect's development, evidence of activity will be slower than typical contact insecticides.

PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
Black Scale San Jose Scale	4 to 5 oz	Apply with ground equipment in 100 to 400 gals/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 inseason use and rates of oil in your area.
·	}	Under heavy scale pressure, use the higher rate of <i>Esteem</i> 35 WP Insect Growth Regulator.

Esteem 35 WP Insect Growth Regulator may be mixed and/or alternated with commonly used insecticides to comply with local Integrated Pest Management (IPM) and Insect Resistance Management (IRM) programs.

- Do not apply within 7 days of harvest.
- Do not make more than 2 Esteem 35 WP Insect Growth Regulator applications per growing season.
- Do not exceed 10 oz of Esteem 35 WP Insect Growth Regulator per acre per season.
- Do not apply earlier than 14 days after last Esteem 35 WP Insect Growth Regulator treatment.
- Regardless of formulation do not apply more than 0.218 lb pyriproxyfen per acre per season.

MANAGING INSECT RESISTANCE: Repeated use of the same class of insecticides with similar modes of acເທັງ can lead to the buildup of resistant insect strains. To optimize resistance management practices, Vallent U.S.A. Corporation is restricting Esteem 35 WP Insect Growth Regulator to no more than two applications per ທ່າວwing season. Esteem 35 WP Insect Growth Regulator may be used in alternation with other dGR materials possessing dissimilar modes of action and/or with other chemical classes of insecticides. Fólició local, state and federal IPM and IRM recommendations. Read and follow all product labels before applying any insecticide.

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PASTURE GRASS AND RANGELAND [Not For Use in] [California] [New York]

GENERAL: Esteem 35 WP Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. Esteem 35 WP Insect Growth Regulator has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. Since Esteem 35 WP is an insect growth regulator (IGR) and activity depends on the insects' development, evidence of activity will be slower than typical contact insecticides.

PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
Cricket Grasshopper Locust	2.5 to 3 oz	Apply with air or ground equipment in adequate water for uniform coverage: By air: 3 to 10 gals/A By Ground: 10 to 50 gals/A HIGHER WATER VOLUMES PROVIDE IMPROVED INSECT CONTROL. Begin application when pests reach threshold levels per University/Extension recommendations. Under severe pressure, use the higher recommended rates.

Esteem 35 WP Insect Growth Regulator may be mixed and/or alternated with commonly used insecticides to comply with local Integrated Pest Management (IPM) and Insect Resistance Management (IRM) programs.

- Do not make more than 2 Esteem 35 WP Insect Growth Regulator applications per growing season.
- Do not exceed 6 oz Esteem 35 WP Insect Growth Regulator per acre per season.
- Regardless of formulation do not apply more than 0.134 lb pyriproxyfen per acre per season.
- Do not apply earlier than 14 days after last Esteem 35 WP Insect Growth Regulator treatment.
- Do not plant any crop other than those with registered pyriproxyfen uses in treated areas sooner than 30 days after the last application.

PAWPAW [Not For Use in] [California] [New York]

GENERAL: Esteem 35 WP Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. Esteem 35 WP Insect Growth Regulator has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. Since Esteem 35 WP is an Insect Growth Regulator (IGR) and activity depends on the insect's development, evidence of activity will be slower than typical contact insecticides.

Esteem 35 WP Insect Growth Regulator does exhibit translaminar movement which means that Esteem 35 WP Insect Growth Regulator applied to the upper surfaces of the leaves will move to the lower surface of the leaf. This translaminar movement is very important to chemical control of whitefly since one of the major obstacles is getting the product to the underside of the leaves where whitefly are present.

PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
Scale Whitefly	4 to 5 oz	Apply 100 to 400 gals/A 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 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. Do not use oil in an in-season spray.
		In a cover spray make applications when scale crawlers first emerge.
		Under heavy scale pressure, use the higher rate of <i>Esteem</i> 35 WP Insect Growth Regulator.

In-season sprays of Esteem 35 WP Insect Growth Regulator may not protect fruit from blemishes by scale.

Esteem 35 WP Insect Growth Regulator may be mixed and/or alternated with commonly used insecticides to comply with local Integrated Pest Management (IPM) and Insect Resistance Management (IRM) programs.

- Do not apply within 14 days of harvest.
- Do not make more than 3 Esteem 35 WP Insect Growth Regulator applications per growing season.
- Do not exceed 15 oz of Esteem 35 WP Insect Growth Regulator per acre per season.
- Do not apply earlier than 14 days after last Esteem 35 WP Insect Growth Regulator treatment.
- Regardless of formulation do not apply more than 0.327 lb pyriproxyfen per acre per season.

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* 35 WP Insect Growth Regulator to no more than, three applications per growing season. *Esteem* 35 WP 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. Valent also does not recommend using rates below 4 oz per acre for whitefly control because reduced rates can lead to a greater potential for resistance development. Follow local, state and federal LPM and IRM recommendations. Read and follow all product labels before applying any insecticide.

PINEAPPLE [Not For Use in] [California] [New York]

GENERAL: Esteem 35 WP Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. Esteem 35 WP Insect Growth Regulator has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. Since Esteem 35 WP is an Insect Growth Regulator (IGR) and activity depends on the insect's development, evidence of activity will be slower than typical contact insecticides.

PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
Black Scale Brown Soft Scale California Red Scale Florida Red Scale Snow Scale	5 oz	Apply with ground equipment in 20 to 50 gals/A Apply in sufficient water volume for plant 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 2 nd or 3 rd generation of scale may result in excessive dead scale remaining on the fruit at harvest. Thorough coverage is essential for good control.
		Esteem 35 WP Insect Growth Regulator may be applied with superior spray oils at 1/2 to 1%. Follow the manaufacturer's directions and recommendations on timing and rates.

Esteem 35 WP Insect Growth Regulator may be mixed and/or alternated with commonly used insecticides to comply with local Integrated Pest Management (IPM) and Insect Resistance Management (IRM) programs.

- . Do not apply within 1 day of harvest.
- Do not make more than 2 Esteem 35 WP Insect Growth Regulator applications per calendar year.
- Do not exceed 5 oz of Esteem 35 WP Insect Growth Regulator per acre per season.
- Do not apply earlier than 21 days after last Esteem 35 WP Insect Growth Regulator treatment.
- Regardless of formulation do not apply more than 0.134 lb pyriproxyfen per acre per season.

POME FRUIT (Crop Group 11-10)

GENERAL: Esteem 35 WP Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. Esteem 35 WP Insect Growth Regulator has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. Since Esteem 35 WP 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	PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
Apple Azarole Crabapple Loquat Mediar	Codling Moth Suppression of: Pandemis Leafroller Obliquebanded Leafroller	4 to 5 oz	Apply by ground with airblast equipment in a minimum of 50 gals/A. Thorough coverage is critical for control. It is essential to use adequate water volume to ensure thorough coverage.
Mayhaw Quince Quince, Chinese Quince, Japanese Tejocote Cultivars, varieties, and/or hybrids of these			1st Generation Codling 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 flights. For subsequent applications, if needed, apply other insecticides registered for Codling Moth control. The addition of oil has been shown to increase Codling Moth activity of Esteem 35 WP Insect Growth Regulator. Follow local recommendations regarding in-season use and rates of oil in your area.
		·	Obliquebanded and Pandemis Leafroller: Apply to the overwintering larvae at pink to petal fall tree growth stage. Esteem 35 WP Insect Growth Regulator does not directly control the larvae but inhibits normal pupation and adult emergence.
	Florida Red Scale Lecanium Scale San Jose Scale	4 to 5 oz	Apply by ground with airblast equipment in a minimum of 50 gals/A. Thorough coverage is critical for control. It is essential to use adequate water volume to ensure thorough coverage.
f((1) (·	Apply at delayed dormant through pink. For delayed dormant use a superior spray oil at the manufacturer's recommended rate of oil.
6 00005 C C	t c		Under heavy scale pressure, use the higher rate of <i>Esteem</i> 35 WP Insect Growth Regulator.
1			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.

continued

POME FRUIT (Crop Group 11) - continued

CROPS	PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
Apple Azarole Crabapple Loquat Mediar Mayhaw	Green Apple Aphid Rosy Apple Aphid Spirea Aphid Spotted Tentiform Leafminer Western Tentiform Leafminer	3 to 5 oz	Apply by ground with airblast equipment in a minimum of 50 gals/A. Thorough coverage is critical for control. It is essential to use adequate water volume to ensure thorough coverage.
Quince Quince, Chinese Quince, Japanese Tejocote Cultivars.			Leafminers: Apply at peak moth flight for control of 1 st or 2 nd generation. This usually occurs at pre-pink to pink apple stage for 1 st generation and 2 nd cover for 2 nd generation.
varieties, and/or hybrids of these			Rosy Apple Aphid: Apply at 1/2" green apple growth stage.
			Green Apple & Spirea Aphid: Apply when aphids first appear, but before aphids are colonized.
	·		TIMING IS CRITICAL FOR ACCEPTABLE APHID CONTROL.
Pear Pear, Asian	Pear Psylla	4 to 5 oz	Apply by ground with airblast equipment in 75 to 400 gals/A with a superior spray oil at 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 to pink stage, of growth at 5 oz/A or make two applications from delayed dormant through petal fall stage of growth at 4 to 5 oz/A. Make application just before sustained egg lay is anticipated.
			DO NOT SKIP ROWS DURING APPLICATION.
			For in-season control of pear psylla, use an insecticide recommended for this use.
	Lecanium Scale San Jose Scale	4 to 5 oz	Apply by ground with airblast equipment in 100 to 400 gals/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.

POME FRUIT (Crop Group 11-10) - continued

CROPS	PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
Pear Pear, Asian	Codling Moth Suppression of: Obliquebanded Leafroller	4 to 5 oz	Apply by ground with airblast equipment in 100 to 400 gals/A. 1st Generation Codling Moth: Apply at
	Pandemis Leafroller		Biofix 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 Codling Moth control. The addition of oil has been shown to increase Codling Moth activity of Esteem 35 WP Insect Growth Regulator. Follow local recommendations regarding in-season use and rates of oil in your area. For additional generations apply other insecticides registered for Codling Moth Control.
			d and/or alternated with commonly Pest Management (IPM) and Insect
	Resistance Management		cot management (ii m) and insect
	Do not apply within 45		
	Do not make more that growing season.	an 4 Esteem 35 VVP Insect	Growth Regulator applications per
			rowth Regulator per acre per season.
	 Do not apply earlier the treatment. 	nan 14 days after last Est	teem 35 WP Insect Growth Regulator
	Regardless of formula season.	ation do not apply more t	han 0.218 lb pyriproxyfen per acre per

POMEGRANATE [Not For Use in] [California] [New York]

GENERAL: Esteem 35 WP Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. Esteem 35 WP Insect Growth Regulator has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. Since Esteem 35 WP is an Insect Growth Regulator (IGR) and activity depends on the insect's development, evidence of activity will be slower than typical contact insecticides.

Esteem 35 WP does exhibit translaminar movement which means that Esteem 35 WP Insect Growth Regulator applied to the upper surfaces of the leaves will move to the lower surface of the leaf. This translaminar movement is very important to chemical control of whitefly since one of the major obstacles is getting the product to the underside of the leaves where whitefly are present.

PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
Banded Wing Whitefly	4 to 5 oz	Apply with air or ground equipment in adequate water for uniform coverage:
Greenhouse Whitefly		By air: 3 to 10 gals/A
Silverleaf Whitefly Sweetpotato Whitefly		By ground: 10 to 50 gals/A
		HIGHER WATER VOLUMES MAY PROVIDE IMPROVED INSECT CONTROL.
		Begin applications when whiteflies reach threshold levels per University/Extension recommendations (e.g. 3 to 5 adults per leaf and/or equivalent levels of immatures).
	·	Only whole fields should be treated.

- Do not apply within 14 days of harvest.
- Do not make more than 3 Esteem 35 WP Insect Growth Regulator applications per growing season.
- Do not exceed 15 oz of Esteem 35 WP Insect Growth Regulator per acre per season.
- Do not apply earlier than 14 days after last Esteem 35 WP Insect Growth Regulator treatment.
- Regardless of formulation do not apply more than 0.327 lb pyriproxyfen per acre per season.
- Do not plant any crop other than those with registered pyriproxyfen uses in treated areas sooner than 30 days after the last application.

MANAGING WHITEFLY RESISTANCE: Repeated use of the same class of insecticides or insecticides with similar modes of action can lead to the buildup of resistant whitefly strains. To optimize resistance management practices, Valent U.S.A. Corporation is restricting *Esteem* 35 WP Insect Growth Regulator to no more than three applications per growing season. *Esteem* 35 WP 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. Valent also does not recommend using rates below 4 oz per acre for whitefly control because reduced rates can lead to a greater potential for resistance development. Follow local, state and federal Integrated Pest Management (IPM) and Insect Resistance Management (IRM) recommendations. Read and follow all product labels before applying any insecticide.

ROOT AND TUBER VEGETABLES (Crop Group 1) [Not For Use in] [California] [New York]

GENERAL: Esteem 35 WP Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. Esteem 35 WP Insect Growth Regulator has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. Since Esteem 35 WP is an Insect Growth Regulator (IGR) and activity depends on the insect's development, evidence of activity will be slower than typical contact insecticides.

Esteem 35 WP Insect Growth Regulator does exhibit translaminar movement which means that Esteem 35 WP Insect Growth Regulator applied to the upper surfaces of the leaves will move to the lower surface of the leaf. This translaminar movement is very important to chemical control of whitefly since one of the major obstacles is getting the product to the underside of the leaves where whitefly are present.

CROPS	PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
Arracacha Arrowroot Artichoke, Chinese Artichoke, Jerusalem Beet, Garden Beet, Sugar Burdock, Edible Canna, Edible Carrot Cassava (bitter and sweet) Celeriac Chaoyote (root) Chervil, Turnip-rooted Chicory Chufa Dasheen (taro) Ginger Ginseng Horseradish Leren Parsley, Turnip-rooted Parsnip Potato Radish Radish, Oriental	Banded Wing Whitefly Greenhouse Whitefly Silverleaf Whitefly Sweetpotato Whitefly	2.5 oz	Apply with ground equipment in adequate water for uniform coverage (20 to 50 gals/A). HIGHER WATER VOLUMES MAY PROVIDE IMPROVED INSECT CONTROL. Begin applications when whiteflies reach threshold levels per University/Extension recommendations (e.g. 3 to 5 adults per leaf and/or equivalent levels of immatures). Under severe pressure, use the higher recommended rates. Only whole fields should be treated.
Rutabaga Salsify, Black Salsify, Spanish Skirret Sweet Potato Tanier Turmeric Temip Yam, Bean Yam, True	 season. Do not exceed 5 oz of £ Do not apply earlier that treatment. Regardless of formulations 	2 Esteem 35 WP Insect on 14 days after last Esteen do not apply more ther than those with refer the last application	

MANAGING ATITEFLY RESISTANCE: Repeated use of the same class of insecticides or insecticides with similar modes of action can lead to the buildup of resistant whitefly strains. To optimize resistance management practices, Valent U.S.A. Corporation is restricting *Esteem* 35 WP Insect Growth Regulator to no more thanking applications per growing season. *Esteem* 35 WP 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. Valent also does not recommend using rates below 2.5 oz per acre for whitefly control because reduced rates can lead to a greater potential for resistance development. Follow local, state and federal Integrated Pest Management (IPM) and Insect Resistance Management (IRM) recommendations. Read and follow all product labels before applying any insecticide.

SMALL FRUIT VINE CLIMBING CROPS (EXCEPT GRAPE) (Subgroup 13-07E) [Not For Use in] [New York]

GENERAL: Esteem 35 WP Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. Esteem 35 WP Insect Growth Regulator has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. Since Esteem 35 WP 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	PESTS	PRODUCT RATE PER ACRE	SPECIAL INSTRUCTIONS
Berry, Schisandra ¹ Gooseberry ¹ Grape, Amur River ¹ Kiwifruit, Fuzzy Kiwifruit, Hardy Maypop ¹ Cultivars, varieties and/or hybrids of these.	Scale Whitefly	5 oz	Apply with ground or air equipment as a full coverage spray (minimum of 5 gals/A by air or 50 gals/A by ground). Thorough coverage is critical for adequate control. It is essential to use adequate water volume to ensure thorough coverage.
¹ Not for use in CA			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 inseason use and rates of oil in your area.
	with commonly used Management (IPM) Do not apply with Do not make mean applications per Do not exceed acre per seasor. Do not apply ear Growth Regulate. Regardless of formal design and the properties of the Management (IPM) Respectively.	I insecticides to co and Insect Resistant thin 30 days of har ore than 2 Esteem growing season. IO oz of Esteem 35 or. Irlier than 14 days or treatment.	or may be mixed and/or alternated omply with local Integrated Pest ance Management (IRM) programs. vest. 35 WP Insect Growth Regulator 5 WP Insect Growth Regulator per after last <i>Esteem</i> 35 WP Insect apply more than 0.218 lb

STONE FRUIT (Crop Group 12)

GENERAL: Esteem 35 WP Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. Esteem 35 WP Insect Growth Regulator has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. Since Esteem 35 WP 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	PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
Apricot Cherry Chickasaw Plum Damson Plum Fresh Prune Japanese Plum	Lecanium Scale San Jose Scale Suppression of: Peach Twig Borer Oriental Fruit Moth	4 to 5 oz	Apply in 100 to 400 gals/A 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.
Nectarine Peach Plum Plumcot Prune			Scale: Apply at dormant, delayed dormant or as an in-season cover spray: At dormant, delayed dormant, use a spray oil at the manufacturer's recommended oil rate.
			Under heavy scale pressure, use the higher rate of <i>Esteem</i> 35 WP Insect Growth Regulator.
			Peach Twig Borer: Esteem 35 WP 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.
·	blemishes by scale.		owth Regulator may not protect fruit from
		nply with local Integrate	be mixed and/or alternated with commonly ed Pest Management (IPM) and Insect
	Do not make more growing season.		Pinsect Growth Regulator applications per
	treatment		st <i>Esteem</i> 35 WP Insect Growth Regulator nore than 0.327 lb pyriproxyfen per acre
((C ()	per season.		

MACING 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. Combination is restricting Esteem 35 WP Insect Growth Regulator to no more than three applications per growing season. Esteem 35 WP 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 IRM recommendations. Read and follow all product labels before applying any insecticide.

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STRAWBERRY [Not For Use in New York]

GENERAL: Esteem 35 WP Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. Esteem 35 WP Insect Growth Regulator has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. Since Esteem 35 WP is an insect growth regulator (IGR) and activity depends on the insects' development, evidence of activity will be slower than typical contact insecticides.

Esteem 35 WP Insect Growth Regulator exhibits translaminar movement which means that Esteem 35 WP Insect Growth Regulator applied to the upper surfaces of the leaves will move to the lower surface of the leaf. This translaminar movement is very important to chemical control of whitefly since one of the major obstacles is getting the product to the underside of the leaves where whitefly are present.

PESTS	PRODUCT RATE PER ACRE	SPECIAL INSTRUCTIONS
Banded Wing Whitefly Greenhouse Whitefly Silverleaf Whitefly Sweetpotato Whitefly	3 oz	Apply with ground equipment as a full coverage spray (100 to 400 gals/A). Thorough coverage is critical for adequate control. It is essential to use adequate water volume to ensure thorough coverage. Begin applications when whiteflies reach threshold levels per University/Extension recommendations (e.g. 3 to 5 adults per leaf and/or equivalent levels of immatures). Under severe pressure, use the higher recommended rates.
	L	Only whole fields should be treated.

- Do not apply within 2 days of harvest.
- Do not make more than 2 Esteem 35 WP Insect Growth Regulator applications per growing season.
- Do not exceed 6 oz Esteem 35 WP Insect Growth Regulator per acre per season.
- Do not apply earlier than 30 days after last Esteem 35 WP Insect Growth Regulator treatment.
- 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, do not apply more than 0.134 lb. of pyriproxyfen per acre per season.

MANAGING WHITEFLY RESISTANCE: Repeated use of the same class of insecticides with similar modes of action can lead to the buildup of resistant whitefly strains. To optimize resistance management practices, Valent U.S.A. Corporation is restricting *Esteem 35* WP Insect Growth Regulator to no more than two applications per growing season. *Esteem 35* WP 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. Valent also does not recommend using rates below 3 oz per acre for whitefly control because reduced rates can lead to a greater potential for resistance development. Follow local, state and federal Integrated Pest Management (IPM) and Insect Resistance Management (IRM) recommendations. Read and follow all product labels before applying any insecticide.

TREE NUTS (Crop Group 14)

GENERAL: Esteem 35 WP Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. Esteem 35 WP Insect Growth Regulator has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. Since Esteem 35 WP 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
Almond	Black Scale San Jose Scale Suppression of: Peach Twig Borer	4 to 5 oz	Apply with ground equipment in 100 to 400 gals/A. Coverage is essential for good control. Apply in sufficient water volume for tree size. Use of higher water volume will assure better 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. Esteem 35 WP Insect Growth Regulator has provided good suppression of Peach
			Twig Borer when applied delayed dormant through bloom sprays.
	Do not make mo growing season.Do not exceed 5	oz of Esteem 35 WP Ins	Insect Growth Regulator application per ect Growth Regulator per acre per season ore than 0.109 lb pyriproxyfen per acre per

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* 35 WP Insect Growth Regulator to one application per growing season. *Esteem* 35 WP Insect Growth Regulator may be used in alternation with other IGR materials possessing dissimilar modes of action and/or other chemical classes of insecticides. Follow local, state and federal Integrated Pest Management (IPM) and Insect Resistance Management (IRM) recommendations. Read and follow all product labels before applying any insecticide.

 continued

TREE NUTS (Crop Group 14) - continued

PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS		
Codling Moth Dusky Veined Aphid Walnut Aphid	5 oz	Apply with ground equipment in 100 to 400 gals/A. 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.		
		1st Generation Codling Moth: Apply at Biofix 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 Codling Moth control. The addition of oil has been shown to increase Codling Moth activity of Esteem 35 WP Insect Growth Regulator. Follow local recommendations regarding inseason use and rates of oil in your area.		
Black Scale Brown Soft Scale Italian Scale Lecanium Scale San Jose Scale Walnut Scale Suppression of: Peach Twin Borer	4 to 5 oz	Apply with ground equipment in 100 to 400 gals/A at either dormant, delayed dormant or an in-season cover spray. The addition of a superior spray oil at dormant or delayed dormant may improve scale control. However, do not use a spray oil in oil sensitive crops such as Walnut. Follow manufacturer's recommendations regarding use and rates of oil for your area.		
		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.		
		Coverage is essential for good control. Apply in sufficient water volume for tree size. Use of higher water volume will assure better coverage.		
Esteem 35 WP Insect Growth Regulator may be mixed and/or alternated with commonly used insecticides to comply with local Integrated Pest Management (IPM) and Insect Resistance Management (IRM) programs.				
 Do not apply within 21 days of harvest. Do not make more than 2 Esteem 35 WP Insect Growth Regulator applications per growing season. Do not exceed 10 oz of Esteem 35 WP Insect Growth Regulator per acre per season. Do not apply earlier than 14 days after last Esteem 35 WP Insect Growth Regulator treatment. Regardless of formulation do not apply more than 0.218 lb pyriproxyfen per acre per season. 				
	Black Scale Brown Soft Scale Italian Scale Lecanium Scale San Jose Scale Walnut Scale Suppression of: Peach Twig Borer Esteem 35 WP Insect used insecticides to co Resistance Manageme Do not apply within Do not make more growing season. Do not exceed 10 Do not apply earlie treatment.	Codling Moth Dusky Veined Aphid Walnut Aphid Black Scale Brown Soft Scale Italian Scale Lecanium Scale San Jose Scale Walnut Scale Suppression of: Peach Twig Borer Bo not apply within 21 days of harvest. Do not make more than 2 Esteem 35 WP is growing season. Do not apply earlier than 14 days after lattreatment.		

TROPICAL & SUBTROPICAL FRUIT

GENERAL: Esteem 35 WP Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. Esteem 35 WP Insect Growth Regulator has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. Since Esteem 35 WP 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	SPECIAL INSTRUCTIONS
Acerola Atemoya Avocado Biriba Black Sapote Canistel Cherimoya Custard Apple Feijoa Guava Ilama Jaboticaba Longan Lychee	Scale	5 oz	Apply with ground or air equipment as a full coverage spray (minimum of 5 gals/A by air or 50 gals/A by ground). 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 as an inseason 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 inseason use and rates of oil in your area.
Mamey Sapote Mango Papaya Passionfruit Pulasan Rambutan Sapodilla Soursop Spanish Lime Star Apple Starfruit Sugar Apple Wax Jambu	 Esteem 35 WP Insect Growth Regulator may be mixed and/or alternated with commonly used insecticides to comply with local Integrated Pest Management (IPM) and Insect Resistance Management (IRM) programs. Do not apply within 14 days of harvest. Do not make more than 2 Esteem 35 WP Insect Growth Regulator applications per growing season. Do not exceed 10 oz of Esteem 35 WP Insect Growth Regulator per acre per season. Do not apply earlier than 14 days after last Esteem 35 WP Insect Growth Regulator treatment. Regardless of formulation do not apply more than 0.218 lb pyriproxyfen per acre per season. 		

WATERCRESS [Not For Use in] [California] [New York]

GENERAL: Esteem 35 WP Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. Esteem 35 WP Insect Growth Regulator has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. Since Esteem 35 WP is an insect growth regulator (IGR) and activity depends on the insects' development, evidence of activity will be slower than typical contact insecticides.

Esteem 35 WP Insect Growth Regulator exhibits translaminar movement which means that Esteem 35 WP Insect Growth Regulator applied to the upper surfaces of the leaves will move to the lower surface of the leaf. This translaminar movement is very important to chemical control of whitefly since one of the major obstacles is getting the product to the underside of the leaves where whitefly are present.

PESTS	PRODUCT RATE PER ACRE	SPECIAL INSTRUCTIONS
Sharpshooters Whitefly	2.5 to 3 oz	Apply with ground equipment as a full coverage spray (10 to 50 gals/A). Thorough coverage is critical for adequate control. It is essential to use adequate water volume to ensure thorough coverage.
		Begin applications when whiteflies reach threshold levels per University/Extension recommendations
		Under severe pressure, use the higher recommended rates.
		Only whole fields should be treated.

Esteem 35 WP Insect Growth Regulator may be mixed and/or alternated with commonly used insecticides to comply with local Integrated Pest Management (IPM) and Insect Resistance Management (IRM) programs.

- Do not apply within 7 days of harvest.
- Do not make more than 2 Esteem 35 WP Insect Growth Regulator applications per growing season.
- Do not exceed 6 oz Esteem 35 WP Insect Growth Regulator per acre per season.
- Do not apply earlier than 14 days after last Esteem 35 WP Insect Growth Regulator treatment.
- Regardless of formulation, do not apply more than 0.134 lb of pyriproxyfen per acre per season.
- Do not plant any crop other than those with registered pyriproxyfen uses in treated areas sooner than 30 days after the last application.

MANAGING INSECT RESISTANCE: Repeated use of the same class of insecticides with similar modes of action can lead to the buildup of resistant whitefly strains. To optimize resistance management practices, Valent U.S.A. Corporation is restricting *Esteem 35* WP Insect Growth Regulator to no more than two applications per growing season. *Esteem 35* WP 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. Valent also does not recommend using rates below 2.5 oz per acre for whitefly control because reduced rates can lead to a greater potential for resistance development. Follow local, state and federal IPM and IRM recommendations. Read and follow all product labels before applying any insecticide.

WHITE SAPOTE [Not For Use in New York]

GENERAL: Esteem 35 WP Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. Esteem 35 WP Insect Growth Regulator has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. Since Esteem 35 WP is an Insect Growth Regulator (IGR) and activity depends on the insect's development, evidence of activity will be slower than typical contact insecticides.

PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
Black Scale Brown Soft Scale California Red Scale Florida Red Scale Snow Scale	5 oz	Apply with ground equipment in 200 to 1500 gals/A. 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.
Show Scale		Apply anytime prior to fruit becoming infested when scale is in the crawler stage. Application at the 2 nd or 3 rd generation of scale may result in excessive dead scale remaining on the fruit at harvest. Thorough coverage is essential for good control.
		Esteem 35 WP 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.

Esteem 35 WP Insect Growth Regulator may be mixed and/or alternated with commonly used insecticides to comply with local Integrated Pest Management (IPM) and Insect Resistance Management (IRM) programs.

- Do not apply within 1 day of harvest.
- Do not make more than 1 Esteem 35 WP Insect Growth Regulator application per growing season.
- Do not exceed 5 oz of Esteem 35 WP Insect Growth Regulator per acre per season.
- Regardless of formulation do not apply more than 0.134 lb pyriproxyfen per acre per season.

Citrus Black Fly Citrus Leafminer Citrus Whitefly	3 oz	Apply with ground application in 200 to 1500 gals/A. 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 35 WP Insect Growth Regulator may be mixed and/or alternated with commonly used insecticides to comply with local Integrated Pest Management (IPM) and Insect Resistance Management (IRM) programs.

- Do not apply within 1 day of harvest.
- Do not make more than 2 Esteem 35 WP Insect Growth Regulator applications per growing season.
- ccc Do not exceed 6 oz of Esteem 35 WP Insect Growth Regulator per acre per season.
- cc. Do not apply earlier than 21 days after last Esteem 35 WP Insect Growth Regulator treatment.
- ce \underline{c} Regardless of formulation do not apply more than 0.134 lb pyriproxyfen per acre per season.

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 35 WP Insect Growth Regulator to no more than two applications per growing season. Esteem 35 WP 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 Integrated Pest Management (IPM) and Insect Esticiance Management (IRM) recommendations. Read and follow all product labels before applying any insecticide.

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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 use or 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. Then dispose the empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

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