

NET CONTENTS 1 GALLON

Active Ingredient

*Pyriproxyfen	By Wt 11.23%
Other Ingredients	88.77%
Total	100.00%

*4-phenoxyphenyl (*RS*)-2-(2-pyridyloxy)propyl ether (IUPAC)

Contains 0.86 pound Pyriproxyfen per gallon.

Contains aromatic petroleum distillates.

EPA Reg. No. 59639-95

EPA Est. 39578-TX-1

**KEEP OUT OF
REACH OF CHILDREN
CAUTION**

SEE NEXT PAGE FOR ADDITIONAL
PRECAUTIONARY STATEMENTS



Knack®

INSECT GROWTH REGULATOR

FIRST AID	
If on skin:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for further treatment advice.
If in eyes:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.
If swallowed:	Immediately call a poison control center or doctor. Do NOT induce vomiting unless told to do so by a poison control center or doctor. Do NOT give any liquid to the person. Do NOT give anything by mouth to an unconscious person.
If inhaled:	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

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

HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For additional information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), you may call 1-800-892-0099.

PRECAUTIONARY STATEMENTS **HAZARDS TO HUMANS & DOMESTIC ANIMALS** **CAUTION:** Contains petroleum distillates.

Causes skin and eye irritation. Do NOT get on skin, in eyes or on clothing. Harmful if inhaled, swallowed or absorbed through skin. Avoid contact with skin, eyes or clothing. Avoid breathing vapor or spray mist. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using

the toilet. Remove contaminated clothing and wash clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Applicators and other handlers must wear:

- Coveralls over short-sleeved shirt and short pants or long-sleeved shirt and long pants.
- Chemical-resistant gloves, such as Barrier Laminate or Viton \geq 14 mils.
- Chemical-resistant footwear plus socks.
- Chemical-resistant headgear for overhead exposure.
- Chemical-resistant apron when cleaning equipment, mixing or loading.

User Safety Requirements

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS:

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

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

- 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.

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

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 short-sleeved shirt and short pants,
- Chemical-resistant gloves, such as Barrier Laminate or Viton \geq 14 mils,
- Chemical-resistant footwear plus socks,
- Chemical-resistant headgear for overhead exposure.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, Knack[®] Insect Growth Regulator contains a Group 7C insecticide. Any insect population may contain individuals naturally resistant to *Knack* Insect Growth Regulator and other Group 7C insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance, take the following steps:

- Rotate the use of *Knack* Insect Growth Regulator or other Group 7C insecticides within a growing season, or among growing seasons, with different groups that control the same pests.

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RESISTANCE MANAGEMENT RECOMMENDATIONS

- Use tank mixtures with insecticides from a different group that are equally effective on the target pest when such use is permitted. Do NOT rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues (for the targeted pests) between the individual components of the mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
 - Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
 - Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
 - When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
 - Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
 - The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated pest management program for insecticide use that includes scouting, uses historical information related to pesticide use, crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact Valent U.S.A. LLC at 800-6-VALENT (682-5368).

PRODUCT INFORMATION

USE RESTRICTIONS

- Do NOT apply this product through any type of irrigation system.

Knack Insect Growth Regulator is intended for use in Integrated Pest Management (IPM) or Insect Resistance Management (IRM) programs. *Knack* 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.

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

***Knack* Insect Growth Regulator does exhibit translaminar movement which means that *Knack* 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.**

SPRAY DRIFT MANAGEMENT

SPRAY DRIFT

Aerial Applications

- Do NOT release spray at a height greater than 10 feet above the vegetative canopy, unless a greater application height is necessary for pilot safety.
- Applicators are required to use a fine or coarser droplet size (ASABE S572.1), except for when applying ultra-low volume applications.
- Applicators must use ½ swath displacement upwind at the downwind edge of the field.
- Nozzles must be oriented so the spray is directed toward the back of the aircraft.
- Do NOT apply when wind speeds exceed 15 miles per hour at the application site.

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SPRAY DRIFT

- If the windspeed is greater than 10 mph, the boom length must be 65% or less of the wingspan for fixed wing aircraft and 75% or less of the rotor diameter for helicopters. Otherwise, the boom length must be 75% or less of the wingspan for fixed-wing aircraft and 90% or less of the rotor diameter for helicopters.
- Do NOT apply during temperature inversions.

Airblast Applications

- All sprays must be directed into the canopy.
- Nozzles directed out of the orchard must be turned off when treating the outer row, or when making turns between rows.
- Do NOT apply when wind speeds exceed 15 miles per hour at the application site.
- Do NOT apply during temperature inversions.

Ground Boom Applications

- User must only apply with the nozzle height recommended by the manufacturer, but no more than 4 feet above the ground or crop canopy.
- Applicators are required to use a fine or coarser droplet size (ASABE S572.1).
- Do NOT apply when wind speeds exceed 15 miles per hour at the application site.
- Do NOT apply during temperature inversions.

Boom-less Ground Applications

- Do NOT apply when wind speeds exceed 15 miles per hour at the application site.
- Do NOT apply during temperature inversions.

SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

Controlling Droplet Size – Ground Boom

- Volume - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the

highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.

- Pressure - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

Controlling Droplet Size – Aircraft

- Adjust Nozzles - Follow nozzle manufacturer's recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

BOOM HEIGHT – Ground Boom

For ground equipment, the boom should remain level with the crop and have minimal bounce.

RELEASE HEIGHT - Aircraft

Higher release heights increase the potential for spray drift.

SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

TEMPERATURE INVERSIONS

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

WIND

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.

Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

Boom-less Ground Applications

- Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

Handheld Technology Applications

- Take precautions to minimize spray drift.

ARTICHOKE (GLOBE)*

PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
Artichoke Plum Moth Banded Wing Whitefly Greenhouse Whitefly Silverleaf Whitefly Sweetpotato Whitefly *Not registered for use in California.	8 to 10 fl oz	Apply with ground equipment in adequate water for uniform coverage (10 to 50 gal/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.
<i>Knack</i> 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.		
USE RESTRICTIONS FOR ARTICHOKE <ul style="list-style-type: none"> • Do NOT apply within 7 days of harvest. • Do NOT make more than 2 <i>Knack</i> Insect Growth Regulator applications per year. • Do NOT exceed 20 fl oz of <i>Knack</i> Insect Growth Regulator per acre per calendar year. • Do NOT apply earlier than 14 days after last <i>Knack</i> Insect Growth Regulator treatment. • Regardless of formulation do NOT apply more than 0.134 lb pyriproxyfen per acre per calendar year. • 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 whitefly strains. To optimize resistance management practices, Valent U.S.A. LLC is restricting *Knack* Insect Growth Regulator to no more than two applications per year. *Knack* 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 8 fl 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.

ASPARAGUS*

PEST	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
Whitefly	8 to 10 fl oz	<p>Apply with ground equipment in adequate water for uniform coverage (10 to 50 gal/A).</p> <p>HIGHER WATER VOLUMES MAY PROVIDE IMPROVED INSECT CONTROL.</p> <p>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).</p> <p>Under severe pressure, use the higher recommended rates.</p> <p>Only whole fields should be treated.</p>
<p>*Not registered for use in California.</p> <p>USE RESTRICTIONS FOR ASPARAGUS</p> <ul style="list-style-type: none"> • Do NOT apply within 7 days of harvest. • Do NOT make more than 2 <i>Knack</i> Insect Growth Regulator applications per year. • Do NOT exceed 20 fl oz of <i>Knack</i> Insect Growth Regulator per acre per calendar year. • Do NOT apply earlier than 14 days after last <i>Knack</i> Insect Growth Regulator treatment. • Regardless of formulation do NOT apply more than 0.134 lb pyriproxyfen per acre per calendar year. • 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. LLC is restricting *Knack* Insect Growth Regulator to no more than two applications per year. *Knack* 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 8 fl 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.

BANANA AND PLANTAIN*

PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
Banded Wing Whitefly Greenhouse Whitefly Silverleaf Whitefly Sweetpotato Whitefly	13 to 16 fl oz	<p>Apply with air or ground equipment in adequate water for uniform coverage: By Air: 3 to 10 gal/A By Ground: 10 to 50 gal/A</p> <p>HIGHER WATER VOLUMES MAY PROVIDE IMPROVED INSECT CONTROL.</p> <p>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).</p> <p>Only whole fields should be treated.</p>
<p>*Not registered for use in California.</p> <p>USE RESTRICTIONS FOR BANANA AND PLANTAIN</p> <ul style="list-style-type: none"> • Do NOT apply within 14 days of harvest. • Do NOT make more than 3 <i>Knack</i> Insect Growth Regulator applications per year. • Do NOT exceed 48 fl oz of <i>Knack</i> Insect Growth Regulator per acre per calendar year. • Regardless of formulation do NOT apply more than 0.323 lb pyriproxyfen per acre per calendar year. • Do NOT apply earlier than 14 days after last <i>Knack</i> 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. LLC is restricting *Knack* Insect Growth Regulator to no more than three applications per year. *Knack* 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 13 fl 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.

BERRY
Low Growing, Except Strawberry (Subgroup 13-07H)

CROPS	PESTS	PRODUCT RATE PER ACRE	SPECIAL INSTRUCTIONS
Bearberry Bilberry Blueberry, Lowbush Cloudberry Cranberry Lingonberry Muntries Partridgeberry Cultivars, varieties, and/or hybrids of these	Cherry Fruitworm Cranberry Fruitworm Lecanium Scale	16 fl oz	<p>Apply with ground or air equipment as a full coverage spray (minimum of 5 gal/A by air or 50 gal/A by ground). Thorough coverage is critical for adequate control. It is essential to use adequate water volume to ensure thorough coverage.</p> <p>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.</p> <p>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.</p>
<p><i>Knack</i> 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.</p> <p>USE RESTRICTIONS FOR BERRY</p> <ul style="list-style-type: none"> • Do NOT apply within 7 days of harvest. • Do NOT make more than 2 <i>Knack</i> Insect Growth Regulator applications per year. • Do NOT exceed 32 fl oz of <i>Knack</i> Insect Growth Regulator per acre per calendar year. • Do NOT apply earlier than 14 days after last <i>Knack</i> Insect Growth Regulator treatment. • Regardless of formulation do NOT apply more than 0.215 lb pyriproxyfen per acre per calendar year. 			

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. LLC is restricting *Knack* Insect Growth Regulator to no more than two applications per year. *Knack* 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.

BRASSICA LEAFY VEGETABLES
(Crop Group 5)

CROPS	PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
Broccoli Broccoli Raab (rapini) Broccoli, Chinese (gai lon) Brussels Sprouts Cabbage Cabbage, Chinese (bok choy and napa) Cauliflower Cavalo Broccoli Chinese Mustard (gai choy) Collards Kale Kohlrabi Mizuna Mustard Greens Mustard Spinach Rape Greens Turnip Greens	Banded Wing Whitefly Greenhouse Whitefly Silverleaf Whitefly Sweetpotato Whitefly	8 to 10 fl oz	Apply with ground equipment in adequate water for uniform coverage (10 to 50 gal/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.
USE RESTRICTIONS FOR BRASSICA LEAFY VEGETABLE <ul style="list-style-type: none"> • Do NOT apply within 7 days of harvest. • Do NOT make more than 2 <i>Knack</i> Insect Growth Regulator applications per year. • Do NOT exceed 20 fl oz <i>Knack</i> Insect Growth Regulator per acre per calendar year. • Do NOT apply earlier than 14 days after last <i>Knack</i> Insect Growth Regulator treatment. • Regardless of formulation do NOT apply more than 0.134 lb pyriproxyfen per acre per calendar year. • 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 with similar modes of action can lead to the buildup of resistant whitefly strains. To optimize resistance management practices, Valent U.S.A. LLC is restricting *Knack* Insect Growth Regulator to no more than two applications per year. *Knack* 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 8 fl 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)

CROPS	PESTS	PRODUCT RATE PER ACRE	SPECIAL INSTRUCTIONS
Garlic* Garlic, Great Headed Leek* Onion, Dry Bulb Onion, Green* Onion, Welsh* Shallot* *Not registered for use in California.	Onion Thrip Western Flower Thrip	8 fl oz	FOR SUPPRESSION OF THRIPS: Apply with ground equipment in adequate water for uniform coverage (20 to 50 gal/A). Begin applications when thrips reach threshold levels per University/Extension. Thorough coverage is critical for adequate water volume to ensure thorough coverage.
<p><i>Knack</i> 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.</p> <p>USE RESTRICTIONS FOR BULB VEGETABLES</p> <ul style="list-style-type: none"> • Do NOT apply within 3 days of harvest. • Do NOT make more than 2 <i>Knack</i> Insect Growth Regulator applications per year. • Do NOT exceed 16 fl oz of <i>Knack</i> Insect Growth Regulator per acre per calendar year. • Do NOT apply earlier than 14 days after last <i>Knack</i> Insect Growth Regulator treatment. • Regardless of formulation do NOT apply more than 0.108 lb pyriproxyfen per acre per calendar year. • 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 insect strains. To optimize resistance management practices, Valent U.S.A. LLC is restricting *Knack* Insect Growth Regulator to no more than two applications per year. *Knack* 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.

BUSHBERRY
(Subgroup 13-07B)

CROPS	PESTS	PRODUCT RATE PER ACRE	SPECIAL INSTRUCTIONS
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	16 fl oz	<p>Apply with ground or air equipment as a full coverage spray (minimum of 5 gal/A by air or 50 gal/A by ground). Thorough coverage is critical for adequate control. It is essential to use adequate water volume to ensure thorough coverage.</p> <p>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.</p> <p>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.</p>
<p><i>Knack</i> 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.</p> <p>USE RESTRICTIONS FOR BUSHBERRY</p> <ul style="list-style-type: none"> • Do NOT apply within 7 days of harvest. • Do NOT make more than 2 <i>Knack</i> Insect Growth Regulator applications per year. • Do NOT exceed 32 fl oz of <i>Knack</i> Insect Growth Regulator per acre per calendar year. • Do NOT apply earlier than 14 days after last <i>Knack</i> Insect Growth Regulator treatment. • Regardless of formulation do NOT apply more than 0.215 lb pyriproxyfen per acre per calendar year. 			

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. LLC is restricting *Knack* Insect Growth Regulator to no more than two applications per year. *Knack* 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.

CANEBERRY
(Subgroup 13-07A)

CROPS	PESTS	PRODUCT RATE PER ACRE	SPECIAL INSTRUCTIONS
Blackberry including: Bingleberry Black Satin Berry Boysenberry Cherokee Blackberry Chesterberry Cheyenne Blackberry Coryberry Darrowberry Dewberry Dirksen Thornless Berry Himalayaberry Hullberry Lavacaberry Lowberry Lucretiaberry Mammoth Blackberry Marionberry Nectarberry Olallieberry Oregon Evergreen Berry Phenomenalberry Rangerberry Ravenberry Rossberry Shawnee Blackberry (continued)	Cherry Fruitworm Cranberry Fruitworm Lecanium Scale	16 fl oz	<p>Apply with ground or air equipment as a full coverage spray (minimum of 5 gal/A by air or 50 gal/A by ground). Thorough coverage is critical for adequate control. It is essential to use adequate water volume to ensure thorough coverage.</p> <p>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.</p> <p>Lecanium Scale: Apply at either dormant, delayed dormant or as an in-season cover spray. If 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.</p>
<p><i>Knack</i> 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.</p> <p>USE RESTRICTIONS FOR CANEBERRY</p> <ul style="list-style-type: none"> • Do NOT apply within 7 days of harvest. • Do NOT make more than 2 <i>Knack</i> Insect Growth Regulator applications per year. • Do NOT exceed 32 fl oz of <i>Knack</i> Insect Growth Regulator per acre per calendar year. • Do NOT apply earlier than 14 days after last <i>Knack</i> Insect Growth Regulator treatment. • Regardless of formulation do NOT apply more than 0.215 lb pyriproxyfen per acre per calendar year. 			

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CANEBERRY (continued)
(Subgroup 13-07A)

CROPS	PESTS	PRODUCT RATE PER ACRE	SPECIAL INSTRUCTIONS
(continued) Loganberry Raspberry, including: Bababerry Black Raspberry Blackcap Caneberry Framboise Frambueso Himbeere Keriberry Mayberry Red Raspberry Thimbleberry Tulameen Yellow Raspberry Wild Raspberry Youngberry Cultivars, varieties, and/or hybrids of these	Cherry Fruitworm Cranberry Fruitworm Lecanium Scale	16 fl oz	<p>Apply with ground or air equipment as a full coverage spray (minimum of 5 gal/A by air or 50 gal/A by ground). Thorough coverage is critical for adequate control. It is essential to use adequate water volume to ensure thorough coverage.</p> <p>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.</p> <p>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.</p>
	<p><i>Knack</i> 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.</p> <p>USE RESTRICTIONS FOR CANEBERRY</p> <ul style="list-style-type: none"> • Do NOT apply within 7 days of harvest. • Do NOT make more than 2 <i>Knack</i> Insect Growth Regulator applications per year. • Do NOT exceed 32 fl oz of <i>Knack</i> Insect Growth Regulator per acre per calendar year. • Do NOT apply earlier than 14 days after last <i>Knack</i> Insect Growth Regulator treatment. • Regardless of formulation do NOT apply more than 0.215 lb pyriproxyfen per acre per calendar year. 		

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. LLC is restricting *Knack* Insect Growth Regulator to no more than two applications per year. *Knack* 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.

COTTON

PESTS	PRODUCT RATE PER ACRE	SPECIAL INSTRUCTIONS
Banded Wing Whitefly Greenhouse Whitefly Silverleaf Whitefly Sweetpotato Whitefly	8 to 10 fl oz Do not apply less than 8 fl oz/A	Apply with air or ground equipment in adequate water for uniform coverage: By Air: 3 to 10 gal/A By Ground: 10 to 50 gal/A HIGHER WATER VOLUMES MAY PROVIDE IMPROVED INSECT CONTROL. Make only one application per year. 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.
USE RESTRICTIONS FOR COTTON <ul style="list-style-type: none"> • Do NOT apply within 28 days of harvest. • Do NOT make more than 1 <i>Knack</i> Insect Growth Regulator application per year. • Do NOT exceed 10 fl oz <i>Knack</i> Insect Growth Regulator per acre per calendar year. • Regardless of formulation do NOT apply more than 0.067 lb pyriproxyfen per acre per calendar year. • 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. LLC is restricting *Knack* Insect Growth Regulator to one application per year. *Knack* 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 8 fl 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.

CUCURBIT VEGETABLES
(Crop Group 9)

CROPS	PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
Balsam Apple Balsam Pear Bitter Melon Cantaloupe Chayote Chinese Cucumber Chinese Waxgourd Citron Melon Cucumber Edible Gourd Gherkin <i>Momordica</i> spp. Muskmelon Pumpkin Summer Squash Watermelon Winter Squash	Banded Wing Whitefly Greenhouse Whitefly Silverleaf Whitefly Sweetpotato Whitefly	8 to 10 fl oz Do not apply less than 8 fl oz/A	Apply with air or ground equipment in adequate water for uniform coverage: By Air: 3 to 10 gal/A By Ground: 10 to 50 gal/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 recommended rates. Only whole fields should be treated.

USE RESTRICTIONS FOR CUCURBIT VEGETABLES

- Do NOT apply within 7 days of harvest.
- Do NOT make more than 2 *Knack* Insect Growth Regulator applications per year.
- Do NOT exceed 20 fl oz *Knack* Insect Growth Regulator per acre per calendar year.
- Do NOT apply earlier than 14 days after last *Knack* Insect Growth Regulator treatment.
- Regardless of formulation do NOT apply more than 0.134 lb pyriproxyfen per acre per calendar year.
- 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. LLC is restricting *Knack* Insect Growth Regulator to no more than two applications per year. *Knack* 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 8 fl 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.

**FRUITING VEGETABLES
(Crop Group 8-10)**

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 Scarlet Eggplant Sunberry Tomatillo Tomato Tree Tomato Cultivars, varieties, and/or hybrids of these	Banded Wing Whitefly Greenhouse Whitefly Silverleaf Whitefly Sweetpotato Whitefly	8 to 10 fl oz Do not apply less than 8 fl oz/A of <i>Knack</i> Insect Growth Regula- tor when used as a stand- alone applica- tion.	Apply with air or ground equipment in adequate water for uniform coverage: By Air: 3 to 10 gal/A By Ground: 10 to 50 gal/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 lev- els of immatures). Under severe pressure, use the higher recommended rates. Only whole fields should be treated.
Pepper, Bell Pepper, Nonbell Roselle 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	6 to 8 fl oz	Apply as a tank mix with ground equipment for uniform coverage (25 to 150 gal/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 tar- get pest. <i>Knack</i> Insect Growth Regulator may also be mixed or alternated with commonly used insecticides to comply with local IPM programs. Comply with all applicable directions, restric- tions, and precautions on the registered tank mix partner label.
<p><i>Knack</i> 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.</p> <p>USE RESTRICTIONS FOR FRUITING VEGETABLES</p> <ul style="list-style-type: none"> • Do NOT apply within 1 day of harvest. • Do NOT make more than 2 <i>Knack</i> Insect Growth Regulator applications per year. • Do NOT exceed 16 fl oz <i>Knack</i> Insect Growth Regulator per acre per calendar year. • Do NOT apply earlier than 14 days after last <i>Knack</i> Insect Growth Regulator treatment. • Regardless of formulation do NOT apply more than 0.108 lb pyriproxyfen per acre per calendar year. • Do NOT plant any crop other than those with registered pyriproxyfen uses in treated areas sooner than 30 days after the last application. 			

(continued)

FRUITING VEGETABLES (continued)
(Crop Group 8-10)

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	6 to 8 fl oz + Danitol® 2.4 EC Spray 10-2/3 fl oz	<p>EARLY SEASON WHITEFLY CONTROL PROGRAM FOR REDUCTION OF GEMINIVIRUS:</p> <p>Apply as a tank mix with ground equipment for uniform coverage (10 to 120 gal/A). Make application when scouting first indicates adult whiteflies are on young plants. NOTE: This may result in treatment immediately following transplanting.</p> <p>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 gal/A by ground). Make application when scouting indicates whiteflies are present.</p> <p><i>Knack</i> Insect Growth Regulator may also be mixed or alternated with commonly used insecticides to comply with local IPM programs.</p> <p>Comply with all applicable directions, restrictions, and precautions on the registered label for <i>Danitol</i> 2.4 EC Spray.</p>

Knack 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.

USE RESTRICTIONS FOR FRUITING VEGETABLES

- Do NOT apply within 14 days of harvest.
- Do NOT make more than 2 *Knack* Insect Growth Regulator applications per year.
- Do NOT exceed 16 fl oz *Knack* Insect Growth Regulator per acre per calendar year.
- Do NOT apply earlier than 14 days after last *Knack* Insect Growth Regulator treatment.
- Regardless of formulation do NOT apply more than 0.108 lb pyriproxyfen per acre per calendar year.
- 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 insect strains. To optimize resistance management practices, Valent U.S.A. LLC is restricting *Knack* Insect Growth Regulator to no more than two applications per year. *Knack* 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.

GRAPE

PESTS	PRODUCT RATE PER ACRE	SPECIAL INSTRUCTIONS
Glassy-Winged Sharpshooter Grape Berry Moth Lecanium Scale	16 fl oz	<p>Apply with ground equipment as a full coverage spray (50 to 200 gal/A). Thorough coverage is critical for adequate control. It is essential to use adequate water volume to ensure thorough coverage.</p> <p>Lecanium Scale: Apply at either dormant, delayed dormant or as 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.</p> <p>Follow local recommendations regarding in-season use and rates of oil in your area.</p>

Knack 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.

USE RESTRICTIONS FOR GRAPE

- Do NOT apply within 21 days of harvest.
- Do NOT make more than 2 *Knack* Insect Growth Regulator applications per year.
- Do NOT exceed 32 fl oz *Knack* Insect Growth Regulator per acre per calendar year.
- Do NOT apply earlier than 14 days after last *Knack* Insect Growth Regulator treatment.
- Regardless of formulation, do NOT apply more than 0.215 lb pyriproxyfen per acre per calendar year.

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. LLC is restricting *Knack* Insect Growth Regulator to no more than two applications per year. *Knack* 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.

LEAFY VEGETABLES*
Except Brassica Vegetables (Crop Group 4)

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 (leaves) Dock (sorrel) Endive (escarole) Fennel, Florence Lettuce, Head and Leaf Orach Parsley Purslane, Garden Purslane, Winter Radicchio (red chicory) Rhubarb Spinach Spinach, New Zealand Spinach, Tanier Swiss Chard *Not registered for use in California.	Banded Wing Whitefly Greenhouse Whitefly Silverleaf Whitefly Sweetpotato Whitefly	8 to 10 fl oz	<p>Apply with ground equipment in adequate water for uniform coverage (10 to 50 gal/A).</p> <p>HIGHER WATER VOLUMES MAY PROVIDE IMPROVED INSECT CONTROL.</p> <p>Begin applications when whiteflies reach threshold levels per University/Extension recommendations.</p> <p>Under severe pressure, use the higher recommended rates.</p> <p>Only whole fields should be treated.</p>
<p>USE RESTRICTIONS FOR LEAFY VEGETABLES</p> <ul style="list-style-type: none"> • Do NOT apply within 14 days of harvest. • Do NOT make more than 2 <i>Knack</i> Insect Growth Regulator applications per year. • Do NOT exceed 20 fl oz <i>Knack</i> Insect Growth Regulator per acre per calendar year. • Do NOT apply earlier than 14 days after last <i>Knack</i> Insect Growth Regulator treatment. • Regardless of formulation do NOT apply more than 0.134 lb pyriproxyfen per acre per calendar year. • 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 with similar modes of action can lead to the buildup of resistant whitefly strains. To optimize resistance management practices, Valent U.S.A. LLC is restricting *Knack* Insect Growth Regulator to no more than two applications per year. *Knack* 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 8 fl 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.

LEAVES OF ROOT & TUBER VEGETABLES*
Human Food or Animal Feed (Crop Group 2)

CROPS	PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
Beet, Garden Burdock, Edible Carrot Cassava, Bitter Cassava, Sweet Celeriac Chervil, Turnip-Rooted Chicory Dasheen (Taro) Parsnip Radish Radish, Oriental (daikon) Rutabaga Salsify, Black Sugar Beet Sweet Potato Tanier Turnip Yam, True *Not registered for use in California.	Banded Wing Whitefly Greenhouse Whitefly Silverleaf Whitefly Sweetpotato Whitefly	8 to 10 fl oz	<p>Apply with ground equipment in adequate water for uniform coverage (10 to 50 gal/A).</p> <p>HIGHER WATER VOLUMES MAY PROVIDE IMPROVED INSECT CONTROL.</p> <p>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).</p> <p>Under severe pressure, use the higher recommended rates.</p> <p>Only whole fields should be treated.</p>

USE RESTRICTIONS FOR LEAVES OF ROOT & TUBER VEGETABLES

- Do NOT apply within 7 days of harvest.
- Do NOT make more than 2 *Knack* Insect Growth Regulator applications per year.
- Do NOT exceed 16 fl oz *Knack* Insect Growth Regulator per acre per calendar year.
- Do NOT apply earlier than 14 days after last *Knack* Insect Growth Regulator treatment.
- Regardless of formulation do NOT apply more than 0.107 lb pyriproxyfen per acre per calendar year.
- Do NOT plant any crop other than those with registered pyriproxyfen uses in treated areas sooner than 30 days after the last application.
- Do NOT allow livestock to graze on treated areas.

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. LLC is restricting *Knack* Insect Growth Regulator to no more than two applications per year. *Knack* 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 8 fl 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)

CROPS	PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
Bean (<i>Lupinus</i>): Grain Lupin Sweet Lupin White Lupin White Sweet Lupin Beans (<i>Phaseolus</i>): Field Bean Kidney Bean Lima Bean Navy Bean Pinto Bean Runner Bean Snap Bean Tepary Bean Wax Bean	Banded Wing Whitefly Greenhouse Whitefly Silverleaf Whitefly Sweetpotato Whitefly	8 to 10 fl oz	<p>EARLY SEASON WHITEFLY PROGRAM: Apply with ground equipment in adequate water for uniform coverage (10 to 50 gal/A). Thorough coverage is critical for adequate control. It is essential to use adequate water volume to ensure thorough coverage.</p> <p>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).</p> <p>Under severe pressure, use the higher recommended rates.</p> <p>Only whole fields should be treated.</p>
Bean (<i>Vigna</i>): Adzuki Bean Asparagus Bean Blackeyed Pea Catjang Chinese Longbean Cowpea Crowder Pea Moth Bean Mung Bean Rice Bean Sord Bean Urd Bean Yardlong Bean (continued)	<p>USE RESTRICTIONS FOR LEGUME VEGETABLES</p> <ul style="list-style-type: none"> • Do NOT apply within 7 days of harvest. • Do NOT make more than 2 <i>Knack</i> Insect Growth Regulator applications per year. • Do NOT exceed 20 fl oz of <i>Knack</i> Insect Growth Regulator per acre per calendar year. • Do NOT apply earlier than 14 days after last <i>Knack</i> Insect Growth Regulator treatment. • Regardless of formulation do NOT apply more than 0.134 lb pyriproxyfen per acre per calendar year. • Do NOT plant any crop other than those with registered pyriproxyfen uses in treated areas sooner than 30 days after the last application. • Do NOT allow livestock to graze treated areas. • Do NOT use on legume vegetables varieties grown for livestock feed. 		

(continued)

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

CROPS	PESTS	PRODUCT RATES PER ACRE	SPECIAL INSTRUCTIONS
(continued) Broad Bean (fava) Chickpea (garbanzo) Guar Jackbean Lablab Bean Lentil Pea (<i>Pisum</i>): Dwarf Pea Edible-podded Pea English Pea Field Pea Garden Pea Green Pea Snowpea Sugar Snap Pea Pigeon Pea Soybean ¹ Sword Bean	Banded Wing Whitefly Greenhouse Whitefly Silverleaf Whitefly Sweetpotato Whitefly	8 to 10 fl oz	<p>EARLY SEASON WHITEFLY PROGRAM: Apply with ground equipment in adequate water for uniform coverage (10 to 50 gal/A). Thorough coverage is critical for adequate control. It is essential to use adequate water volume to ensure thorough coverage.</p> <p>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).</p> <p>Under severe pressure, use the higher recommended rates.</p> <p>Only whole fields should be treated.</p>
	<p>¹Not registered for use in California</p> <p>USE RESTRICTIONS FOR LEGUME VEGETABLES</p> <ul style="list-style-type: none"> • Do NOT apply within 7 days of harvest. • Do NOT make more than 2 <i>Knack</i> Insect Growth Regulator applications per year. • Do NOT exceed 20 fl oz of <i>Knack</i> Insect Growth Regulator per acre per calendar year. • Do NOT apply earlier than 14 days after last <i>Knack</i> Insect Growth Regulator treatment. • Regardless of formulation do NOT apply more than 0.134 lb pyriproxyfen per acre per calendar year. • Do NOT plant any crop other than those with registered pyriproxyfen uses in treated areas sooner than 30 days after the last application. • Do NOT allow livestock to graze treated areas. • Do NOT use on legume vegetables varieties grown for livestock feed. 		

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. LLC is restricting *Knack* Insect Growth Regulator to no more than two applications per year. *Knack* 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 8 fl 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)

CROPS	PESTS	PRODUCT RATE 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 (continued)	Banded Wing Whitefly Greenhouse Whitefly Silverleaf Whitefly Sweetpotato Whitefly	8 fl oz	Apply with ground equipment in adequate water for uniform coverage (20 to 50 gal/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.
*Not registered for use in California.	USE RESTRICTIONS FOR ROOT AND TUBER VEGETABLES <ul style="list-style-type: none"> • Do NOT apply within 7 days of harvest. • Do NOT make more than 2 <i>Knack</i> Insect Growth Regulator applications per year. • Do NOT exceed 16 fl oz of <i>Knack</i> Insect Growth Regulator per acre per calendar year. • Do NOT apply earlier than 14 days after last <i>Knack</i> Insect Growth Regulator treatment. • Regardless of formulation do NOT apply more than 0.108 lb pyriproxyfen per acre per calendar year. • Do NOT plant any crop other than those with registered pyriproxyfen uses in treated areas sooner than 30 days after the last application. • Do NOT allow livestock to graze treated areas. 		

(continued)

ROOT AND TUBER VEGETABLES* (continued)
(Crop Group 1)

CROPS	PESTS	PRODUCT RATE PER ACRE	SPECIAL INSTRUCTIONS
(continued) Potato Radish Radish, Oriental (daikon) Rutabaga Salsify Salsify, Black Salsify, Spanish Skirret Sweet Potato Tanier Turmeric Turnip Yam, Bean Yam, True	Banded Wing Whitefly Greenhouse Whitefly Silverleaf Whitefly Sweetpotato Whitefly	8 fl oz	<p>Apply with ground equipment in adequate water for uniform coverage (20 to 50 gal/A).</p> <p>HIGHER WATER VOLUMES MAY PROVIDE IMPROVED INSECT CONTROL.</p> <p>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).</p> <p>Under severe pressure, use the higher recommended rates.</p> <p>Only whole fields should be treated.</p>
<p>USE RESTRICTIONS FOR ROOT AND TUBER VEGETABLES</p> <ul style="list-style-type: none"> • Do NOT apply within 7 days of harvest. • Do NOT make more than 2 <i>Knack</i> Insect Growth Regulator applications per year. • Do NOT exceed 16 fl oz of <i>Knack</i> Insect Growth Regulator per acre per calendar year. • Do NOT apply earlier than 14 days after last <i>Knack</i> Insect Growth Regulator treatment. • Regardless of formulation do NOT apply more than 0.108 lb pyriproxyfen per acre per calendar year. • Do NOT plant any crop other than those with registered pyriproxyfen uses in treated areas sooner than 30 days after the last application. • Do NOT allow livestock to graze treated areas. 			
<p>*Not registered for use in California.</p>			

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. LLC is restricting *Knack* Insect Growth Regulator to no more than two applications per year. *Knack* 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 8 fl 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.

STRAWBERRY

PESTS	PRODUCT RATE PER ACRE	SPECIAL INSTRUCTIONS
Banded Wing Whitefly Greenhouse Whitefly Silverleaf Whitefly Sweetpotato Whitefly	10 fl oz	<p>Apply with ground equipment as a full coverage spray (100 to 400 gal/A). Thorough coverage is critical for adequate control. It is essential to use adequate water volume to ensure thorough coverage.</p> <p>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).</p> <p>Under severe pressure, use the higher recommended rates.</p> <p>Only whole fields should be treated.</p>

USE RESTRICTIONS FOR STRAWBERRY

- Do NOT apply within 2 days of harvest.
- Do NOT make more than 2 *Knack* Insect Growth Regulator applications per year.
- Do NOT exceed 20 fl oz *Knack* Insect Growth Regulator per acre per calendar year.
- Do NOT apply earlier than 30 days after last *Knack* Insect Growth Regulator treatment.
- Regardless of formulation, do NOT apply more than 0.134 lb of pyriproxyfen per acre per calendar year.
- 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 with similar modes of action can lead to the buildup of resistant whitefly strains. To optimize resistance management practices, Valent U.S.A. LLC is restricting *Knack* Insect Growth Regulator to no more than two applications per year. *Knack* 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 Resistance Management (IRM) recommendations. Read and follow all product labels before applying any insecticide.

WATERCRESS*

PESTS	PRODUCT RATE PER ACRE	SPECIAL INSTRUCTIONS
Sharpshooters Whitefly *Not registered for use in California.	8 to 10 fl oz	Apply with ground equipment as a full coverage spray (10 to 50 gal/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.

Knack 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.

USE RESTRICTIONS FOR WATERCRESS

- Do NOT apply within 7 days of harvest.
- Do NOT make more than 2 *Knack* Insect Growth Regulator applications per year.
- Do NOT exceed 20 fl oz *Knack* Insect Growth Regulator per acre per calendar year.
- Do NOT apply earlier than 14 days after last *Knack* Insect Growth Regulator treatment.
- Regardless of formulation, do NOT apply more than 0.134 lb of pyriproxyfen per acre per calendar year.
- 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. LLC is restricting *Knack* Insect Growth Regulator to no more than two applications per year. *Knack* 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 8 fl 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.

**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.

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PROMPT NOTICE OF CLAIM

To the extent consistent with applicable law allowing such requirements, Valent must be provided notice as soon as Buyer has reason to believe it may have a claim, but in no event later than twenty-one days from date of planting, or twenty-one days from the date of application, whichever is latter, so that an immediate inspection of the affected property and growing crops can be made.

To the extent consistent with applicable law, if Buyer does not notify Valent of any claims, in such period, it shall be barred from obtaining any remedy.

NO AMENDMENTS

Valent and Seller offer this product, and Buyer accepts it, subject to the foregoing **Disclaimer, Risks of Using This Product, Limited Warranty** and **Limitation of Liability**, which may not be modified by any oral or written agreement.

TANK MIXES

NOTICE: Tank mixing or use of this product with any other product which is not specifically and expressly authorized by the label shall be the exclusive risk of user, applicator and/or application advisor, to the extent allowed by applicable law.

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

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage, disposal or cleaning of equipment.

PESTICIDE STORAGE

Keep this product in its tightly closed original container. Store in a cool, dry (preferably locked) area that is inaccessible to children and animals.

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 container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling, if available, or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

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***Danitol* is a restricted use product.**

Manufactured for:

Valent U.S.A. LLC

P.O. Box 5075

San Ramon CA 94583

Made in U.S.A.

Form 1277-V

EPA Est. 39578-TX-1

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

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



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

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Always read and follow label instructions.

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Date 4/15/25