

# Supplemental Label



Valent U.S.A. Corporation  
1333 N. California Blvd., Ste. 600  
Walnut Creek, CA 94596-8025

## KNACK® INSECT GROWTH REGULATOR EPA Reg. No. 59639-95

### ADDITION OF PEPPER AND TOMATO CROPS AND REVISIONS TO WARRANTY STATEMENT

#### DIRECTIONS FOR USE

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

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

#### 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 AGREES THAT ALL SUCH RISKS ASSOCIATED WITH THE APPLICATION AND USE ARE ASSUMED BY THE BUYER.

Valent shall not be responsible for losses or damages (including, but not limited to, loss of yield, increased expenses of farming the crop or such incidental, consequential or special damages that may be claimed) resulting from use of this product in any manner not set forth on the label. Buyer assumes all risks associated with the use of this product in any manner or under conditions not specifically directed or approved on the label.

#### LIMITED WARRANTY

Valent warrants only that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the label, under average use conditions, when used strictly in accordance with the label and subject to the Risks of Using This Product as described above. EXCEPT AS SET FORTH ABOVE, VALENT MAKES NO OTHER WARRANTIES, EITHER EXPRESSED OR IMPLIED. No agent or representative of Valent or Seller is authorized to make or create any other express or implied warranty.

#### LIMITATION OF LIABILITY

In no event shall Valent or Seller be liable for any incidental, consequential, indirect or special damages resulting from the use or handling of this product. The limitation includes, but is not limited to, loss of yield on all or any portion of the treated acreage, increased care, treatment or other expenses required to take the crop to harvest, increased finance charges or altered finance ratings, emotional or mental distress and/or exemplary damages. THE EXCLUSIVE REMEDY OF THE BUYER, AND THE EXCLUSIVE MAXIMUM LIABILITY OF VALENT OR SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT SHALL BE THE RETURN OF THE PURCHASE PRICE OF THIS PRODUCT OR, AT THE ELECTION OF VALENT OR SELLER, THE REPLACEMENT OF THE PRODUCT.

#### PROMPT NOTICE OF CLAIM

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

If Buyer does not notify Valent of any claims, in such period, it shall be barred from obtaining any remedy.

#### NO AMENDMENTS

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

## PEPPER

**GENERAL:** KNACK Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. KNACK 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 insects development, evidence of activity will be slower than typical contact insecticides.

KNACK does exhibit translaminar movement in pepper leaves which means that KNACK 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	DOSAGE PER ACRE	SPECIAL INSTRUCTIONS
Pepper	Sweetpotato/Silverleaf Whitefly (immatures only)	8 to 10 fl. oz. (25 to 30 gms ai)	EARLY SEASON: Apply with ground equipment in adequate water for uniform coverage (10 to 50 gals./A). Higher water volumes may provide improved insect control. Make application when pest activity is first noticed.
	Sweetpotato/Silverleaf Whitefly (immatures & adults) Cabbage Looper Green Peach Aphid Tobacco Hornworm	6 to 8 fl. oz. (20 to 25 gms ai)  +  ORTHENE® 75 S Soluble Powder (0.5 - 1.0 lb. ai)	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. Do not make a second KNACK application sooner than 30 days following the first KNACK application. If control is needed during this period use an alternate insecticide registered for the target pest.  KNACK 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 labels for ORTHENE 75 S Soluble Powder.
	<ul style="list-style-type: none"> <li>C Do not apply within 14 days of harvest.</li> <li>C Do not exceed 20 fl. oz. (80 gms ai) of KNACK Insect Growth Regulator per acre per season.</li> <li>C Do not make more than three (3) KNACK applications per growing season.</li> <li>C Do not apply earlier than 14 days after last KNACK treatment.</li> <li>C Do not plant any crop other than those with registered pyriproxyfen uses in treated areas sooner than 30 days after last application.</li> </ul>		

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

## TOMATO

**GENERAL:** KNACK Insect Growth Regulator acts by suppressing embryogenesis within the insect egg and by inhibiting metamorphosis and adult emergence of target insects. KNACK 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 insects development, evidence of activity will be slower than typical contact insecticides.

KNACK does exhibit translaminar movement in tomato leaves which means that KNACK 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	DOSAGE PER ACRE	SPECIAL INSTRUCTIONS
Tomato	Sweetpotato/Silverleaf Whitefly (immatures only)	8 to 10 fl. oz. (25 to 30 gms ai)	EARLY SEASON: Apply with ground equipment in adequate water for uniform coverage (10 to 50 gals./A). Higher water volumes may provide improved insect control. Make application when pest activity is first noticed.
	Sweetpotato/Silverleaf Whitefly (immatures & adults) Tomato Pinworm Fruitworms Potato Aphid Thrips Yellowstriped Armyworm	6 to 8 fl. oz. (20 to 25 gms ai)  +  MONITOR® 4 Spray 24 oz. (0.75 lb. ai)  +  DANITOL® 2.4 EC Spray 10 2/3 oz. (0.2 lb. ai)	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. <u>NOTE:</u> 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 whitefly are present. Do not make a second KNACK application sooner than 30 days following the first KNACK application. If control is needed during this period use an alternate insecticide registered for the target pest.  KNACK 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 labels for MONITOR 4 Spray and DANITOL 2.4 EC Spray.
<ul style="list-style-type: none"> <li>Ⓒ Do not apply within 14 days of harvest.</li> <li>Ⓒ Do not exceed 20 fl. oz. (80 gms ai) of KNACK Insect Growth Regulator per acre per season.</li> <li>Ⓒ Do not make more than three (3) KNACK applications per growing season.</li> <li>Ⓒ Do not apply earlier than 14 days after last KNACK treatment.</li> <li>Ⓒ Do not plant any crop other than those with registered pyriproxyfen uses in treated areas sooner than 30 days after last application.</li> </ul>			

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**THIS LABELING MUST BE IN THE POSSESSION OF THE USER AT THE TIME OF APPLICATION. PLEASE REFER TO CONTAINER LABEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.**

**PLEASE CONTACT VALENT U.S.A. CORPORATION AT 1-800-6-VALENT TO DETERMINE IF THIS USE IS REGISTERED IN YOUR STATE.**

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DANITOL® - Reg. TM of Sumitomo Chemical Company, Ltd.

KNACK® - Reg. TM of Valent U.S.A. Corporation

MONITOR® - Reg. TM of Valent U.S.A. Corporation

ORTHENE® - Reg. TM of OMS Investments, Inc.

# **NOTICE**

*Please Contact Valent USA Corp. at 1-800-6-VALENT to Determine if This Use is Registered in Your State.*