



**DuPont Crop
Protection**

SUPPLEMENTAL LABELING

**DUPONT™ VERIMARK®
INSECT CONTROL
WITH THE ACTIVE INGREDIENT
CYAZYPYR®**

DUPONT™ VERIMARK® INSECT CONTROL

**EPA Reg. No. 352-860
This label expires as of 03/28/2020**

**FOR SOIL APPLICATIONS TO BULB, LEGUME (EXCEPT SOYBEANS), ROOT
VEGETABLES, PEANUTS AND TOBACCO FOR PEST MANAGEMENT OF
SUCKING AND CHEWING INSECTS THAT CAN VECTOR CERTAIN PLANT
DISEASES, AIDING IN OPTIMIZATION OF THE CROP'S POTENTIAL**

DIRECTIONS FOR USE

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

IMPORTANT

BEFORE USING VERIMARK®, READ AND FOLLOW ALL APPLICABLE DIRECTIONS; RESTRICTIONS; AND PRECAUTIONS ON THE EPA-REGISTERED LABEL.

This bulletin contains new or supplemental instructions for use of this product which does not appear on the package label. Follow the instructions carefully.

This label must be in the possession of the user at the time of pesticide application.

GENERAL INFORMATION

DuPont™ VERIMARK® is a suspension concentrate that can be applied as: an in-furrow spray at planting, transplant tray drench or float house (tobacco only) by growers or commercial transplant producers no earlier than 72 hours prior to planting in the field, transplant water treatment, hill drench at planting, surface band at planting, soil shank injection at planting or other soil injection systems after planting, drip chemigation, or as a seed piece treatment to control listed insects. VERIMARK® is specially formulated to optimize effectiveness following application to soil. VERIMARK® is mixed with water for application. Not all application methods are allowed on all crops; see specific crop sections of the package label or supplemental labeling for application methods which may be used.

CROP ROTATION

Crops on this label and the following crops or crop groups may be planted immediately following the last application of DuPont™ VERIMARK®: Brassica Leafy Vegetables (Crop Group 5); Bulb Vegetables (Crop Group 3-07); Cotton; Cucurbit Vegetables (Crop Group 9); Fruiting Vegetables (Crop Group 8-10); Leafy Vegetables (except brassicas) (Crop Group 4); Leaves of Root and Tuber Vegetables (Crop Group 2); Legume Vegetables (Crop Groups 6 and 7); Low Growing Berries (Crop Subgroup 13-07H); Oilseeds (Crop Group 20); Peanuts; Root and Tuber Vegetables (Crop Subgroups 1B and 1C); Tobacco.

The following crops or crop groups may be planted 30 days following the last application of DuPont™ VERIMARK®: Cereal Grains (Crop Group 15); Forage, Fodder and Straw of Cereal Grains (Crop Group 16); Grass Forage, Fodder and Hay (Crop Group 17); Nongrass Animal Feeds (forage, fodder, straw and hay) (Crop Group 18); Sugar beets.

There is no plant back restriction for conversion of a treated field to, or for making a new or replacement planting into established orchards or fields of, Bushberries (Crop Subgroup 13-07B); Citrus (Crop Group 10-10); Pome Fruits (Crop Group 11-10); Stone Fruits (Crop Group 12); Low Growing Berries (Crop Subgroup 13-07G); or Tree Nuts (Crop Group 14-12).

All other crops cannot be planted until 12 months after the last application of VERIMARK®.

For product information call 1-888-6-DUPONT

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Crop	Application Method	Target Pest	DUPONT™ VERIMARK® RATE		PHI (pre-harvest interval) (days)	REI (re-entry interval) (hours)
			Lb. ai per acre	fluid ounces product per acre		
Bulb vegetables, (Crop Group 3-07) Chive, fresh leaves; chive, Chinese, fresh leaves; daylily, bulb; elegans hosta; fritillaria, bulb; fritillaria, leaves; garlic, bulb; garlic, great-headed, bulb; garlic, serpent, bulb; kurrat; lady's leek; leek; leek, wild; lily, bulb; onion, Beltsville bunching; onion, bulb; onion, Chinese, bulb; onion, fresh; onion, green; onion, macrostem; onion, pearl; onion, potato, bulb; onion, tree, tops; onion, Welsh, tops; shallot, bulb; shallot, fresh leaves	Soil at planting (in-furrow spray)	Thrips (foliage feeding only)§	0.130-0.176	10 - 13.5	1	4
	Drip chemigation	Thrips (foliage feeding only)§	0.088 - 0.130	6.75 - 10		
<p>§ - Suppression only. Use as part of an overall effective control program. Begin drip application when populations first appear, typically 1 thrips adult or larva per plant. Allow 1 - 3 days for VERIMARK® to be translocated into the aerial portions and to fully protect. Minimum application interval between drip chemigation treatments is 10 days.</p> <p>Do not apply more than 2 drip chemigation applications of VERIMARK® per crop.</p> <p>Rotate with products with different modes of action.</p> <p>Do not apply a total of more than 0.4 lb ai/A of CYAZYPYR® or cyantranilprole containing products per calendar year whether applications are made to the soil or foliarly.</p> <p>VERIMARK® must be applied uniformly in the root zone to ensure effective control.</p> <p>Drip tape must be placed as close to the row of plants as possible to ensure VERIMARK® is applied in the root zone. See the SOIL APPLICATION section of the label for additional guidance.</p> <p>Adjusting the pH of the application solution: The pH of the application solution should be between pH 4 and 6. (See "Acidification of Application Solution" section of the label.)</p>						
Root vegetables except sugar beets (Crop Subgroup 1B) Beet, garden; burdock, edible; carrot; celeriac; chervil, turnip-rooted; chicory; ginseng; horseradish; parsley, turnip-rooted; parsnip; radish; radish, oriental; rutabaga; salsify; salsify, black; salsify, Spanish; skirret; turnip	Soil at planting (an in-furrow spray, surface band, soil shank injection)	Cabbage maggot§	0.130 - 0.176	10 - 13.5	N/A	4
<p>§ - Suppression only.</p> <p>Do not apply a total of more than 0.4 lb ai/A of CYAZYPYR® or cyantranilprole containing products per calendar year whether applications are made to the soil or foliarly.</p>						

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			Lb. ai per acre	fluid ounces product per acre		
Legume vegetables, succulent or dried (Crop Group 6) Bean (Lupinus) (includes grain lupin, sweet lupin, white lupin, and white sweet lupin); bean (Phaseolus) (includes field bean, kidney bean, lima bean, navy bean, pinto bean, runner bean, snap bean, tepary bean, wax bean); bean (Vigna) (includes adzuki bean, asparagus bean, blackeyed pea, catjang, Chinese long-bean, cowpea, crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean, yardlong bean); broad bean (fava); chickpea (garbanzo); guar; jackbean; lablab bean; lentil; pea (Pisum) (includes dwarf pea, edible-podded pea, English pea, field pea, garden pea, green pea, snowpea, sugar snap pea); pigeon pea; sword bean	Soil at planting (in-furrow spray, surface band spray)	European corn borer§ Fall armyworm Lesser cornstalk borer Leafminers Whiteflies Black bean aphid Thrips (foliage feeding only)§ Corn seed maggot§	0.088 - 0.176	6.75 - 13.5	N/A	4
<p>§ - Suppression only. Do not apply more than 13.5 fl oz (0.176 lb ai/A) of VERIMARK® at planting. Do not apply a total of more than 0.4 lb ai/A of CYAZYPYR® or cyantraniliprole containing products per calendar year whether applications are made to the soil or foliarly. VERIMARK® must be applied uniformly in the root zone to ensure effective control. See the SOIL APPLICATION section of the label for additional guidance, also see the rate conversion chart for application rate per 1000 linear feet.</p>						
Peanuts	Soil at planting (an in-furrow spray, surface band, soil shank injection)	Thrips (foliage feeding only)§** Cutworms Lesser cornstalk borer	0.130 - 0.176	10 - 13.5	N/A	4
<p>§ - Suppression only. ** - Use in conjunction with an effective thrips and tomato spotted wilt virus management program. Do not apply more than 13.5 fl oz (0.176 lb ai/A) of VERIMARK® at planting. Do not apply a total of more than 0.4 lb ai/A of CYAZYPYR® or cyantraniliprole containing products per calendar year whether applications are made to the soil or foliarly. VERIMARK® must be applied uniformly in the root zone to ensure effective control. See the SOIL APPLICATION section of the label for additional guidance, also see the rate conversion chart for application rate per 1000 linear feet. Tomato Spotted Wilt Virus Suppression: Use of VERIMARK® to manage thrips which may vector the tomato spotted wilt virus at a rate of 10-13.5 fl oz/A at plant will help suppress and slow the expression of tomato spotted wilt virus in peanuts.</p>						

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Crop	Application Method	Target Pest	DUPONT™ VERIMARK® RATE		PHI (pre-harvest interval) (days)	REI (re-entry interval) (hours)
			Lb. ai per acre	fluid ounces product per acre		
Tobacco	Soil at planting (transplant water treatment, hill drench, float house or transplant tray drench by growers or commercial transplant producers no earlier than 72 hours prior to planting in the field)	Tobacco budworm Tomato hornworm Tobacco hornworm Flea beetle	0.130 - 0.176	10 - 13.5	N/A	4
Do not apply more than 13.5 fl oz (0.176 lb ai/A) of VERIMARK® at planting. Do not apply a total of more than 0.4 lb ai/A of CYAZYPYR® or cyantraniliprole containing products per calendar year whether applications are made to the soil or foliarly. VERIMARK® must be applied uniformly in the root zone to ensure effective control. See the SOIL APPLICATION section of the label for additional guidance.						

DUPONT™ VERIMARK® POTATO SEED PIECE TREATMENT

Application and Mixing Guidance

VERIMARK® may be applied as a water-based slurry with other registered seed treatment fungicides and insecticides. Potential mixing partners should be tested for physical compatibility with VERIMARK® and added dyes or polymers before mixing for seed treatment. Avoid mixtures of several materials and very concentrated seed treatment spray mixtures. Observe the most restrictive of the labeling limitations and precautions of all products used in mixtures. Do not mix this product with any product that prohibits such mixing. Caution should be used to ensure that excessive moisture is not applied to the seed pieces to limit potential rotting that may reduce crop emergence. Treat seed pieces on farm or at a local facility. Plant treated seed pieces within 24 hours of treatment with VERIMARK®.

Pests Controlled and Use Rate

Use VERIMARK® as specified in the following Use-Rate Table for control of beet armyworm, Colorado potato beetle, cabbage looper, European corn borer, western yellowstriped armyworm and suppression of potato flea beetle, potato psyllid, and green peach aphid. Determine the use rate of VERIMARK® based on the planned seeding density. Do not use a seed treatment rate of VERIMARK® greater than 0.176 pounds of cyantraniliprole per acre. Do not apply any other cyantraniliprole containing product for Colorado potato beetle control following a seed piece application of VERIMARK®. Do not apply a total of more than 0.4 lb ai/A per calendar year of any CYAZYPYR® or cyantraniliprole containing products whether applications are made to the soil or foliarly.

Potato Seeding Rate 100 lbs per acre	VERIMARK® Use Rate (fl oz/100 lb of seed pieces)	VERIMARK® Use Rate (lb ai/A)
16 - 18	0.63 – 0.75	0.132 – 0.176
19 - 22	0.53 – 0.61	0.131 – 0.175
23 - 25	0.46 – 0.54	0.138 – 0.176
26 - 27	0.46 – 0.5	0.156 – 0.176
28 - 29	0.46	0.168 – 0.174

Mixing Instructions

For use in standard and calibrated seed treatment equipment only. Treatment equipment must be clean and free of previous pesticide deposits before applying VERIMARK®. Add VERIMARK® directly to the mixing tank. Mix the specified amount of VERIMARK® thoroughly with sufficient water to coat the potato seed pieces.

Add an EPA approved dye or colorant to treat the seed pieces per 40 CFR 153.155(b)(1) during the seed treatment process. Ensure that all treated seed pieces are dyed an unnatural color.

Mixing Tank Cleanout

Prior to application, start with clean, well maintained application equipment. Immediately following application, thoroughly clean all mixing equipment to reduce the risk of forming hardened deposits, which might become difficult to remove.

Drain mixing equipment. Thoroughly rinse mixing equipment and flush with clean water.

Clean all other associated application equipment. Take all necessary safety precautions when cleaning equipment. Do not clean near wells, water sources or desirable vegetation. Dispose of water rinse water in accordance with local regulations.

(Derived from EPA approved label dated March 28, 2017 (SL-1869 040417 03-28-17))

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