



Bayer CropScience

Bayer CropScience LP
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VELUM® ONE

Additional soil application methods for
VELUM® ONE for nematode suppression

EPA Reg. No. 264-1078

FIFRA 2(ee) Recommendation

FOR DISTRIBUTION AND USE ONLY WITHIN THE STATE(S) OF ARIZONA, CALIFORNIA and HAWAII

FIFRA Section 2(ee) Recommendation: This recommendation is made as permitted under FIFRA Section 2(ee) and has not been submitted to or approved by the EPA. This product bulletin should be in the possession of the user at the time of application of the product. All applicable directions, restrictions and precautions on the EPA registered label are to be followed.

DIRECTIONS FOR USE

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

Additional Soil Application Methods: Make soil application to the crop row and incorporate into the crop soil profile (root zone).

- **Application:** Methods include spray band, shank, sprinkler, drip, or equivalent equipment to uniformly apply material to the soil.
- **Incorporation:** Material must be placed uniformly into the soil profile (root zone) by the following, but not limited to the following, mechanical equipment, - rolling cultivator, power incorporator, planting equipment, cultivator/shaper with water placement (such as irrigation, sprinklers, drip, trickle, mini-sprinkler, or rainfall).

Note: For best results and crop safety, the product must be placed uniformly into the root zone by irrigation water/rainfall or by mechanical incorporation.

BRASSICA HEAD AND STEM VEGETABLES (Group 5-16)

Broccoli; Brussels sprouts; Cabbage; Cabbage, Chinese, Napa; Cauliflower; Cultivars, varieties, and hybrids of these commodities.

Pest Suppression	Application Rate	Application Instructions
Nematodes	6.84 fl oz/acre	Apply specified dosage in the following methods: <ul style="list-style-type: none">Chemigation into root-zone through low-pressure drip, trickle, micro-sprinkler or equivalent equipment. Minimum 5-day interval between soil applications.

Restrictions:

- Do not apply more than 13.7 fl oz of VELUM ONE (0.445 lbs Fluopyram) per acre per year, regardless of formulation or method of application.
- Apply using chemigation equipment.
- Can be applied the day of harvest.
- To limit the potential for development of disease resistance to this fungicide class, do not make more than 2 sequential applications of VELUM ONE or any Group 7-containing fungicide before rotating with a fungicide from a different Group.
- For soil application, to limit the potential for development of disease resistance to this chemical class, the first foliar fungicide application after VELUM ONE should be a product from a different FRAC group.

BRASSICA LEAFY GREENS (Subgroup 4-16B), EXCEPT WATERCRESS

Arugula; broccoli, Chinese; broccoli raab; cabbage, abyssinian; cabbage, Chinese, bok choy; cabbage, seakale; collards; cress, garden; cress, upland; hanover salad; kale; maca, leaves; mizuna; mustard greens; radish, leaves; rape greens; rocket, wild; shepherd's purse; turnip greens; cultivars, varieties, and hybrids of these commodities.

Pest Suppression	Application Rate	Application Instructions
Nematodes	6.84 fl oz/acre	Apply specified dosage in the following methods: <ul style="list-style-type: none">Chemigation into root-zone through low-pressure drip, trickle, micro-sprinkler or equivalent equipment. Minimum 5-day interval between soil applications.

Restrictions:

- Do not apply more than 13.7 fl oz of VELUM ONE (0.445 lbs Fluopyram) per acre per year, regardless of formulation or method of application.
- Apply using chemigation equipment.
- Can be applied the day of harvest.
- To limit the potential for development of disease resistance to this fungicide class, do not make more than 2 sequential applications of VELUM ONE or any Group 7-containing fungicide before rotating with a fungicide from a different Group.
- For soil application, to limit the potential for development of disease resistance to this chemical class, the first foliar fungicide application after VELUM ONE should be a product from a different FRAC group.

BULB VEGETABLES (group 3-07)

Onion, bulb subgroup: Bulb Daylily; Bulb Fritillaria; Bulb Garlic; Bulb Great-Headed Garlic; Bulb Serpent Garlic; Bulb Lily; Bulb Onion; Bulb Chinese Onion; Pearl Onion; Bulb Potato Onion; Bulb Shallot; cultivars, varieties, and/or hybrids of these.

Onion, green subgroup: Fresh Leaves Chive; Fresh Leaves Chinese Chive; Elegans Hosta; Leaves Fritillaria; Kurrat; Lady's Leek; Leek; Wild Leek; Beltsville Bunching Onion; Fresh Onion; Green Onion; Macrostem Onion; Tree Onion Tops; Welsh Onion Tops; Fresh Leaves Shallot; cultivars, varieties, and/or hybrids of these.

Pest Suppression	Application Rate	Application Instructions
Nematodes	6.84 fl oz/acre	Apply specified dosage using any of the following methods: <ul style="list-style-type: none">• Pre-plant banded or broadcast spray directed to the soil and incorporated into the planting bed during.• Chemigation into the root-zone through low-pressure drip, trickle, micro-sprinkler or equivalent equipment. Minimum 14-day interval between applications.

Restrictions:

- Do not apply more than 13.7 fl oz of VELUM ONE (0.445 lbs Fluopyram) per acre per year, regardless of formulation or method of application (soil or foliar).
- Apply using ground and chemigation equipment.
- For soil applications, do not apply VELUM ONE within 30 days of harvest.
- For soil application, to limit the potential for development of disease resistance to this chemical class, the first foliar fungicide application after VELUM ONE should be a product from a different FRAC group.

CITRUS FRUIT (Group 10-10)

Australian Desert Lime; Australian Finger Lime; Australian Round Lime; Brown River Finger Lime; Calamondin; Citron; Citrus Hybrids; Grapefruit; Japanese Summer Grapefruit; Kumquat; Lemon; Lime; Mediterranean Mandarin; Mount White Lime; New Guinea Wild Lime; Sour Orange; Sweet Orange; Pummelo; Russell River Lime; Satsuma Mandarin; Sweet Lime; Tachibana Orange; Tahiti Lime; Tangelo; Tangerine (Mandarin); Tangor; Trifoliate Orange; Uniq Fruit; cultivars, varieties and/or hybrids of these.

Pest Suppression	Application Rate	Application Instructions
Nematodes	6.84 fl oz/acre	Soil Applications - Apply specified dosage by chemigation into root-zone through low-pressure drip, trickle, micro-sprinkler or equivalent equipment. For optimum results, apply to newly planted trees or those previously trained to drip, trickle or micro-sprinkler irrigation. Soil must be lightly pre-wetted to break soil surface tension prior to applications. Minimum 30-day interval between soil applications.

Restrictions:

- Do not apply more than 13.7 fl oz of VELUM ONE (0.445 lbs Fluopyram) per acre per year, regardless of formulation or method of application.
- Apply using chemigation equipment.
- Do not apply VELUM ONE within 7 days of harvest.
- To limit the potential for development of disease resistance to this fungicide class, do not make more than 2 sequential applications of VELUM ONE or any Group 7-containing fungicide before rotating with a fungicide from a different Group.
- For soil application, to limit the potential for development of disease resistance to this chemical class, the first foliar fungicide application after VELUM ONE should be a product from a different FRAC group.

CUCURBITS (Group 9)

Melon subgroup: Citron Melon; Muskmelon (hybrids and/or cultivars of Cucumis Melo including True Cantaloupe, Cantaloupe, Casaba, Crenshaw Melon, Golden Pershaw Melon, Honeydew Melon, Honey Balls, Mango Melon, Persian Melon, Pineapple Melon, Santa Claus Melon, Snake Melon); Watermelon.

Squash/Cucumber subgroup: Chayote (Fruit); Chinese Waxgourd; Cucumber; Gherkin; Gourd, Edible; *Momordica* spp.; Pumpkin; Squash, Summer; Squash, Winter.

Pest Suppression	Application Rate	Application Instructions
Nematodes	6.84 fl oz/acre	Apply specified dosage in the following methods: <ul style="list-style-type: none">Chemigation into root-zone through low-pressure drip, trickle, micro-sprinkler or equivalent equipment. Minimum 5-day interval between soil applications.

Note: A mild yellowing on leaf margins is sometimes seen following application of VELUM ONE in cucurbits.

Restrictions:

- Do not apply more than 13.7 fl oz of VELUM ONE (0.445 lbs Fluopyram) per acre per year, regardless of formulation or method of application.
- Apply using chemigation equipment.
- Can be applied the day of harvest.
- To limit the potential for development of disease resistance to this fungicide class, do not make more than 2 sequential applications of VELUM ONE or any Group 7-containing fungicide before rotating with a fungicide from a different Group.
- For soil application, to limit the potential for development of disease resistance to this chemical class, the first foliar fungicide application after VELUM ONE should be a product from a different FRAC group.

FRUITING VEGETABLES (Group 8-10)

Tomato subgroup: Bush Tomato; Cocona; Currant Tomato; Garden Huckleberry; Goji Berry; Groundcherry; Naranjilla; Sunberry; Tomatillo; Tomato; Tree Tomato; cultivars, varieties, and/or hybrids of these.

Pepper/Eggplant subgroup: African Eggplant; Bell Pepper; Eggplant; Martynia; Nonbell Pepper; Okra; Pea Eggplant; Pepino; Roselle; Scarlet Eggplant; cultivars, varieties, and/or hybrids of these.

Pest Suppression	Application Rate	Application Instructions
Nematodes	6.84 fl oz/acre	Soil Applications: Apply specified dosage in the following methods: <ul style="list-style-type: none">Chemigation into root-zone through low-pressure drip, trickle, micro-sprinkler or equivalent equipment. Minimum 7-day interval between soil applications.

Restrictions:

- Do not apply more than 13.7 fl oz of VELUM ONE (0.445 lbs Fluopyram) per acre per year, regardless of formulation or method of application.
- Apply using chemigation equipment.
- Can be applied the day of harvest.
- To limit the potential for development of disease resistance to this fungicide class, do not make more than 2 sequential applications of VELUM ONE or any Group 7-containing fungicide before rotating with a fungicide from a different Group.
- For soil application, to limit the potential for development of disease resistance to this chemical class, the first foliar fungicide application after VELUM ONE should be a product from a different FRAC group.

POME FRUIT (Group 11-10)

Apple; Azarole; Crabapple; Loquat; Mayhaw; Medlar; Pear; Asian Pear; Quince; Chinese Quince; Japanese Quince; Tejocote; cultivars, varieties and/or hybrids of these.

Pest Suppression	Application Rate	Application Instructions
Nematodes	6.84 fl oz/acre	Soil Applications: Apply specified dosage by chemigation into root-zone through low-pressure drip, trickle, micro-sprinkler or equivalent equipment. For optimum results, apply to newly planted trees or those previously trained to drip, trickle or micro-sprinkler irrigation. Soil must be lightly pre-wetted to break soil surface tension prior to applications. Minimum 30-day interval between soil applications.

Restrictions:

- Do not apply more than 13.7 fl oz of VELUM ONE (0.445 lbs Fluopyram) per acre per year, regardless of formulation or method of application.
- Apply using chemigation equipment.
- Do not apply VELUM ONE within 7 days of harvest.
- To limit the potential for development of disease resistance to this fungicide class, do not make more than 2 sequential applications of VELUM ONE or any Group 7-containing fungicide before rotating with a fungicide from a different Group.
- For soil application, to limit the potential for development of disease resistance to this chemical class, the first foliar fungicide application after VELUM ONE should be a product from a different FRAC group.

STONE FRUITS (Group 12-12)

Cherry subgroup: Capulin; Black Cherry; Nanking Cherry; Sweet Cherry; Tart Cherry; cultivars, varieties, and/or hybrids of these.

Peach subgroup: Peach; Nectarine; cultivars, varieties, and/or hybrids of these.

Plum subgroup: Apricot; Japanese Apricot; Chinese Jujube; Plum; American Plum; Beach Plum; Canada Plum; Cherry Plum; Chickasaw Plum; Damson Plum; Japanese Plum; Klamath Plum; Plumcot; Prune Plum; Sloe; cultivars, varieties, and/or hybrids of these.

Pest Suppression	Application Rate	Application Instructions
Nematodes	6.84 fl oz/acre	Soil Applications - Apply specified dosage by chemigation into root-zone through low-pressure drip, trickle, micro-sprinkler or equivalent equipment. For optimum results, apply to newly planted trees or those previously trained to drip, trickle or micro-sprinkler irrigation. Soil must be lightly pre-wetted to break soil surface tension prior to applications. Minimum 30-day interval between soil applications.

Restrictions:

- Do not apply more than 13.7 fl oz of VELUM ONE (0.445 lbs Fluopyram) per acre per year, regardless of formulation or method of application.
- Apply using chemigation equipment.
- Can be applied the day of harvest.
- To limit the potential for development of disease resistance to this fungicide class, do not make more than 2 sequential applications of VELUM ONE or any Group 7-containing fungicide before rotating with a fungicide from a different Group.
- For soil application, to limit the potential for development of disease resistance to this chemical class, the first foliar fungicide application after VELUM ONE should be a product from a different FRAC group.

STRAWBERRY AND OTHER LOW-GROWING BERRIES (Subgroup 13-07G) (EXCEPT CRANBERRY)

Bearberry; Bilberry; Blueberry, Lowbush; Cloudberry; Lingonberry; Muntries; Partridgeberry; Strawberry; cultivars, varieties, and/or hybrids of these.

Pest Suppression	Application Rate	Application Instructions
Nematodes	6.84 fl oz/acre	Soil Applications Apply specified dosage in the following methods: <ul style="list-style-type: none">Chemigation into root-zone through low-pressure drip, trickle, micro-sprinkler or equivalent equipment. Minimum 7-day interval between soil applications.

Restrictions:

- Do not apply more than 13.7 fl oz of VELUM ONE (0.445 lbs Fluopyram) per acre per year, regardless of formulation or method of application.
- Apply using chemigation equipment.
- Can be applied the day of harvest.
- For soil application, to limit the potential for development of disease resistance to this chemical class, the first foliar fungicide application after VELUM ONE should be a product from a different FRAC group.
- To limit the potential for development of disease resistance to this fungicide class, do not make more than 2 sequential applications of VELUM ONE or any Group 7-containing fungicide before rotating with a fungicide from a different Group.

SWEET POTATO

Pest Suppression	Application Rate	Application Instructions
Nematodes	6.0 to 6.84 fl oz/acre	Soil Applications: Apply specified dosage as an in-furrow spray during planting directed on or below seed. Apply specified dosage using overhead chemigation equipment. For transplanted crops, e.g.: sweet potatoes: <ul style="list-style-type: none">Post-planting drench, or hill drench. Despite suppression of root-knot nematode, tuber quality may not be adequately protected. If root-knot nematode is a severe economic pest, the use of other suppression measures should also be employed.

Restrictions:

- Do not apply more than 13.7 fl oz of VELUM ONE (0.445 lbs Fluopyram) per acre per year, regardless of formulation or method of application (soil or foliar).
- Apply using ground and chemigation equipment.
- Do not apply VELUM ONE within 7 days of harvest.
- For soil application, to limit the potential for development of disease resistance to this chemical class, the first foliar fungicide application after VELUM ONE should be a product from a different FRAC group.
- Tops or greens can be utilized for food or feed.
- The grazing of livestock in treated areas within 7 days of application is prohibited.

TREE NUTS (Group 14-12)

African Nut-Tree; Almond; Beechnut; Brazil Nut; Brazilian Pine; Bunya; Bur Oak; Butternut; Cajou Nut; Candlenut; Cashew; Chestnut; Chinquapin; Coconut; Coquito Nut; Dika Nut; Ginkgo; Guiana Chestnut; Hazelnut; Heartnut; Hickory Nut; Japanese Horse-Chestnut; Mongongo Nut; Monkey-Pot; Monkey Puzzle Nut; Okari Nut; Pachira Nut; Peach Palm Nut; Pecan; Pequi; Pili Nut; Pine Nut; Pistachio; Sapucaia Nut; Tropical Almond; Walnut, Black; Walnut, English; Yellowhorn; Cultivars, varieties, and/or hybrids of these.

Pest Suppression	Application Rate	Application Instructions
Nematodes	6.25 to 6.84 fl oz/acre	Soil Applications - Apply specified dosage by chemigation into root-zone through low-pressure drip, trickle, micro-sprinkler or equivalent equipment. For optimum results, apply to newly planted trees or those previously trained to drip, trickle or micro-sprinkler irrigation. Soil must be lightly pre-wetted to break soil surface tension prior to applications. Minimum 30-day interval between soil applications.

Restrictions:

- Do not apply more than 13.7 fl oz of VELUM ONE (0.445 lbs Fluopyram) per acre per year, regardless of formulation or method of application.
- Apply using chemigation equipment.
- Do not apply VELUM ONE within 14 days of harvest.
- To limit the potential for development of disease resistance to this fungicide class, do not make more than 2 sequential applications of VELUM ONE or any Group 7-containing fungicide before rotating with a fungicide from a different Group.
- For soil application, to limit the potential for development of disease resistance to this chemical class, the first foliar fungicide application after VELUM ONE should be a product from a different FRAC group.

For MEDICAL And TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577.

For PRODUCT USE Information Call 1-866-99BAYER (1-866-992-2937).

As with any crop-protection product, always read and follow label directions.

For additional information call toll-free 1-866-99BAYER (1-866-992-2937).