

Vigilance

N E M A T I C I D E

ACTIVE INGREDIENT:

Geraniol.....4.5%

OTHER INGREDIENTS:*.....95.5%

TOTAL:.....100.00%

*Water

KEEP OUT OF REACH OF CHILDREN
CAUTION



* May cause allergy or asthma symptoms or breathing difficulties if inhaled.

* May cause an allergic skin reaction

* Toxic to aquatic life

ENVIRONMENTALLY SAFE
When Used as Directed

NET CONTENTS: ■ 2.5 Gal (9.5 L)

This product has not been registered by the United States Environmental Protection Agency. GroPro represents that this product qualifies for exemption from registration under FIFRA 25(b) FIFRA 40.

How can we help?

1-833-476-7761

MANUFACTURED BY:

GroPro[®]

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Phone: 1-833-476-7761

www.groproag.com

EPA EST NO. 102052-WA-1

Mode of Action Group
N-UNE



AGRI LINE

GroPro[®]

FIRST AID

IF SWALLOWED: Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

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.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

Note to Physician: Contains petroleum distillate. Vomiting may cause aspiration pneumonia. Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact Prosar at 1-877-250-9291 for emergency medical treatment information.

PRECAUTIONARY STATEMENTS: HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

- Avoid contact with skin, eyes, or clothing. Wear goggles or safety glasses. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.
- In case of inadequate ventilation, wear respirator protection.
- Avoid release to environment
- Applicators and other handlers must wear:
 - Long-sleeved shirt and long pants, chemical-resistant gloves, shoes plus socks, protective eyewear.
 - Contaminated work clothing must not be allowed out of workplace.
 - Take off contaminated clothing and wash it before reuse in hot water.

ENVIRONMENTAL HAZARDS

FOR TERRESTRIAL USES: Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash water or rinsate.

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 State or Tribal agency responsible for pesticide regulation.

USER SAFETY RECOMMENDATIONS

- User should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- User should remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.
- Wash the outside of gloves before removing.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE - Store in a cool, dry place. Avoid freezing.

PESTICIDE DISPOSAL - To avoid wastes, use all material in this container by application according to label directions. If waste cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

Container Handling (under 5 gallons): Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) 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 $\frac{1}{4}$ 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 puncture and dispose of in a sanitary landfill or by incineration. Do not burn unless allowed by state and local ordinances.

Container Handling (over 5 gallons): Non-refillable container. Do not reuse or refill this container. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container $\frac{1}{4}$ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill or by incineration. Do not burn unless allowed by state and local ordinances.

Bottom discharge IBC (e.g. Schuetz Caged IBC or Snyder Square Stackable). Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To pressure rinse the container before final disposal, empty the remaining contents from the IBC into application equipment or mix tank. Raise the bottom of the IBC by 1.5 inches on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve.

Top discharge IBC, drums, kegs (e.g. Snyder 120 Next Gen, Bonar B120, drums and kegs). Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To triple rinse the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Rinse all interior surfaces. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

DIRECTIONS FOR USE

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

For use only on crops listed on this label.

RESISTANCE MANAGEMENT

Although resistance in nematode populations has not been proven when using other materials, geraniol has no known resistance factors as its a natural oil. The repeated exclusive use of any product may still lead to a reduction in control due to enhanced biodegradation or other causes. Contact your Cooperative Extension specialist, certified crop advisor and or product manufacturer for additional resistant management recommendations.

VIGILANCE® should be used as part of an Integrated Pest Management (IPM) program to control nematodes. IPM programs using cultural practices, sanitation, planting of resistant varieties to reduce infestations caused by nematodes, scouting or other detection methods, proper pest identification and rotation of nematicides with different modes of action will help prevent economic pest damage.

PRODUCT INFORMATION

VIGILANCE® can be used to control Nematode Root-knot (*Meloidogyne* spp.), Potato cyst nematode (*Globodera* spp.), Needle nematode (*Longidorus africanus*), Lance (*Hoplolaimus* spp.), Sting (*Belonolaimus* spp.), Stubby root (*Trichodorus* and *Paratrichodorus* spp.), and Lesion nematodes (*Pratylenchus* spp.), plus many additional nematode species such as Wireworm, Seed Maggot, and Root Worm. A successful treatment with VIGILANCE® will not eradicate nematode populations and does not control bacteria, insects, viruses, weeds or pathogens which attack plants in treated areas. Consult your state Agricultural Experiment station, extension service provider or supplemental product labels for additional information and control measures for these pests.

Applications can be made at planting for crops or during season at any point without limitations. Make applications at a rate of 1-2 gal per acre at planting. Make soil applications only in accordance with directions and conditions of use described in this label. Treated areas can be covered with plastic or left uncovered according to planting practices. The residual activity of VIGILANCE® is limited to the nematodes in the wetted area.

The use of VIGILANCE® controls nematodes only when they are present at the time of application. Apply when nematodes are active. It will not control pests introduced into the soil after the active ingredient has dissipated, does not provide season long control, and does not guarantee pest free crops at harvest. Effectiveness will be reduced if used in muck or high clay content soils.

Read and carefully follow the most restrictive labeling limitations and precautions of all products used in a tank mix.

Do not apply VIGILANCE® with any other product before testing for physical and chemical compatibility of the mixture. To determine compatibility, pour the required proportions of the product(s) into a suitable container. After mixing, wait for 30 minutes and check to see if the product remains mixed. If the product remains mixed, it is considered physically compatible. It is the pesticide user's responsibility to ensure that all products in a tank mix are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products of the mixture (for example, first aid from one product, spray drift management from another).

USER INFORMATION

Use VIGILANCE® in accordance with all applicable label directions. VIGILANCE® can be applied in any season when soil conditions permit and nematodes are active. Uniform application and incorporation to moist soils is essential. Apply VIGILANCE® to a moist, well-prepared seedbed. Ensure soils have sufficient moisture to support plant growth. If soils are not free of clods, debris and plant residues thoroughly incorporate them into the soil to prevent interference with application or control. Lack of effectiveness, crop injury or illegal pesticide residues in the crop can result from non-uniform distribution of product. Consult your equipment manufacturer, State Extension specialist or GROPRO representative for calibration or application questions.

MIXING INSTRUCTIONS

**SHAKE WELL BEFORE USING – USE DILUTION IMMEDIATELY
DO NOT STORE DILUTED SOLUTION**

MATERIAL + WATER – Fill a clean tank with half the amount of required clean water. With the agitator running, add the desired amount of product to the mix tank, following the application rate table. Continue agitation while filling the tank with the remaining required amount of water. Thoroughly mix until a homogeneous mixture is obtained. Start applying the solution after product has completely dispersed into the mixed water. For best results, maintain constant agitation in spray equipment.

PRODUCT + TANK-MIXTURES – The use of the tank mix must be in accordance with the more restrictive label limitations and precautions. Product cannot be mixed with another product with a prohibition against mixing. Do not pre-mix product with any other tank-mix component before adding to the spray tank.

COMPATIBILITY OF SPRAY MIXTURES – Limited compatibility testing has been conducted for product with other commonly used insecticides, fungicides, fertilizers, adjuvants, and surfactants. As such, tank mixing or use of product with any other product shall be the exclusive risk and responsibility of the user. Read and follow all precautions and limitations on labeling of all products used in tank mixtures. To ensure compatibility of the tank mix combinations, always perform a compatibility jar test of product with other chemicals testing the mixture on a small scale before making large-scale applications.

PLANT SAFETY (PHYTOTOXICITY) – Since plant varieties are numerous and may react differently to products, test the product on a small area to check for burn before using it on a large scale, particularly for flowering ornamentals and delicate plants. NOTE: Apply early or late in the day. DO NOT apply to plants under stress or when temperatures exceed 90°F.

SOIL MOISTURE MANAGEMENT

Soil moisture management can have an influence on product efficacy. Ensure soil moisture is adequate for uniform mechanical incorporation and to support plant growth. It is recommended to irrigate with 0.5 to 1 inch of water 2-5 days after application. If applied by drip irrigation, make sure the initial moisture is at a level to allow the product to move uniformly from shoulder to shoulder and throughout the bed as it is being drip irrigated. For optimal performance, all applications must be incorporated by water and/or mechanical means to a depth of 6-8 inches. Resume a normal irrigation schedule immediately after planting or application. Excessive moisture immediately after application may cause this product to move past the targeted zone.

BROADCAST APPLICATION

Apply at labeled rate for each crop using conventional application equipment a minimum of 0 days before planting and 0 days before seeding. For Brassica (cole) leafy vegetables, Japanese mustard spinach, hot herb mustard spinach, Japanese white radish (daikon), and turnip, apply at a minimum of 0 days prior to transplanting or seeding. Prepare the spray mix by adding the product to the spray tank with a minimum of 20 gallons of water per acre to obtain a uniform application. Maintain sufficient agitation during mixing and application to ensure a homogeneous spray solution. Uniformly apply the spray mix over the field and mechanically incorporate to a depth of 6-8 inches with incorporation equipment to ensure even distribution. It is recommended to irrigate 3-5 days after application with the quantity of water recommended in Chart 1. Following planting, resume normal irrigation practices.

CHART 1

Application type	Irrigation type	Suggested application water volume	Soil % clay	Supplemental irrigation #1	Supplemental irrigation #2	Supplemental irrigation #3
				3 or more days after application	Additional 3 or more days after supplemental irrigation #1	Additional 3 or more days after supplemental irrigation #2
Soil application (preplant incorporated)	Overhead sprinkler	Min. 20 GPA	<5%	0.50" (acre inch)		
			5%-15%		0.50"	
			>15%		0.50"	
	Surface drip	Min. 20 GPA	<5%	5,000 gal		
			5%-15%	3,000 gal	3,000 gal	
			>15%	3,500 gal	3,000 gal	
	Buried drip** (typically 6" to 14")	Min. 20 GPA	<5%	9,000 gal		
			5%-15%		4,500 gal	
			>15%		4,500 gal	
Drip application	Surface drip*	4000 to 5000 gal	<5%	4,000 gal		
			5%-15%		4,000 gal	
			>15%		3,500 gal	
Buried drip	Buried drip**	4000 to 5000 gal	<5%	4,000 gal		
			5%-15%	9,000 gal	9,000 gal	
			>15%	9,000 gal	4,000 gal	4,500 gal

*Planting up to 8 inches from dripline

**Planting up to 4 inches from dripline

TABLE 1: APPLICATION RATE CALCULATION FOR BROADCAST APPLICATION

Pints per acre (varies by crop)	Ounces of VIGILANCE® per planted acre	
8	128 fl. oz./ Treated Acre	
12	192 fl. oz./ Treated Acre	
16	256 fl. oz./ Treated Acre	

BROADCAST APPLICATION

Drift Management: Do not make application at a boom height greater than 20 inches above the surface of the soil, and use nozzles that produce coarse droplets (>300 microns) to reduce evaporation and drift. Do not apply when the wind speed favors drift beyond the areas intended for treatment.

BAND APPLICATION

Table 2 may be used to determine the amount of product required based on bed width, length and use rate.

Apply the spray mixture across the band and uniformly incorporate to 6-8 inches avoiding dilution outside the band, a minimum of 0 days before planting. It is recommended to irrigate after application with the timing and water quantity recommended in Chart 1. Following planting, resume normal irrigation practices. Rates are not to be concentrated in the row, instead, they are to be applied based on the treated acre (The acre within the band).

Drift Management: Do not make application at a boom height greater than 20 inches above the surface of the soil, and use nozzles that produce coarse droplets (>300 microns) to reduce evaporation and drift.

TABLE 2: APPLICATION RATE CALCULATION FOR BAND APPLICATION

Bed Width (Inches)	Linear feet of bed in one treated acre	Ounces of VIGILANCE® per 1000 linear feet of row		
		128 fl. oz./ Treated Acre (8 pints)	80 fl. oz./ Treated Acre (12 pints)	112 fl. oz./ Treated Acre (16 pints)
12	43,560	2.75	4.32	5.73
18	29,040	4.35	6.48	8.70
24	21,780	5.73	8.88	11.68
30	17,424	7.33	11.04	14.66
36	14,520	8.93	12.14	17.86
48	10,890	11.68	17.76	23.36
60	8,712	14.43	22.08	29.31
72	7,260	17.40	26.64	35.27

DRIP IRRIGATION

Chemigation application: VIGILANCE® can be applied through low volume (ground or underground) drip, drip tape, strip tubing, micro sprinklers or sprinklers. Prepare the application mix as indicated in Table 3. The amount of product required for a drip application will vary with the width of the planting bed, row length and wetting front of the application. Use Table 3 to determine the amount of product required. Assume the wetting front is the same as the bed width for determining the rate to apply.

For drip irrigation, VIGILANCE® can be added directly to the irrigation system and applied with sufficient water and duration to uniformly wet the irrigation zone width or the entire bed width and root zone 6-8 inches deep. Rates are to be calculated based on the width of the application zone comprising the treated acre. The amount of water needed for an application will depend upon the initial level of soil moisture, the soil type, % organic matter and condition and the placement of the drip tape(s) as well as drip tape emitter spacing, etc. Allow enough time in the application cycle to charge the irrigation system, then apply VIGILANCE® into the target root zone and flush the system lines with water. Injection timing during the irrigation cycle depends on soil type and drip tape placement. **Do not** over apply system rinse water and wash the VIGILANCE® from the root zone. Irrigate after application based on the timings and quantities in Chart 1. Following planting, resume normal irrigation practices.

VIGILANCE® may not be applied in conjunction with a drip line cleaning product as performance may be reduced. The entire irrigation system including emitters need to be checked to ensure the system is operating normally before injecting VIGILANCE®. **Do not** connect an irrigation system (including greenhouse systems) used to apply pesticides to any public water system unless the pesticide label prescribed safety devices for public water systems are in place. In addition, check local and state regulations regarding the injection of pesticides into public water systems. A person knowledgeable of the chemigation system and responsible for its operation, or a person under the supervision of the responsible person, is responsible to shut the system down and make necessary adjustments as needed.

Follow manufacturer's instructions to maintain the drip system at a low enough pressure to prevent fogging and/or misting during applications. Inject VIGILANCE® into the irrigation system after the filter(s) and automatic back flush system in order to avoid back flushing of treated water. Systems using a pressurized water and pesticide injection system must meet the following requirements:

1. The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
2. The pesticide injection pipeline must contain a functional, automatic, quickclosing check valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of materials compatible with pesticides and capable of being fitted with a system interlock.

TABLE 3: APPLICATION RATE CALCULATION

Bed Width/wetting front width (Inches)	Linear feet of bed in one treated acre	Ounces of VIGILANCE® per 1000 linear feet of row		
		56 fl. oz./ Treated Acre (8 pints)	80 fl. oz./ Treated Acre (12 pints)	112 fl. oz./ Treated Acre (16 pints)
12	43,560	2.75	4.32	5.73
18	29,040	4.35	6.48	8.71
24	21,780	5.73	8.88	11.67
30	17,424	7.33	11.04	14.66
36	14,520	8.93	13.44	17.86
48	10,890	11.68	16.95	23.36
60	8,712	14.43	22.08	29.31
72	7,260	17.41	26.64	35.27

ROTATIONAL CROPS*

There are no known rotational crop restrictions.

IMMEDIATE PLANT-BACK:

There are no plant back restrictions.

APPLICATION CAN BE MADE FOR THE FOLLOWING CROPS:

Crop Group	Rate	Application Information
ALL CUCURBIT VEGETABLES (CROP GROUP 9) Cucumber, squash, honeydew, watermelon, and other cucurbit vegetables including: Chinese waxgourd (Chinese preserving melon); citron melon; gherkin; gourd, edible (<i>Lagenaria</i> spp. and <i>Luffa</i> spp. includes hyotan, cucurza, hechima, Chinese okra, spaghetti squash,); fruits of the gourd (<i>Cucurbitaceae</i>) e.g., <i>Cucurbita pepo</i> (i.e., crookneck squash, straightneck squash, scallop squash, and vegetable marrow); <i>Sechium edule</i> (chayote); and other cultivars and/or hybrids of these; <i>Momordica</i> spp (includes balsam apple, balsam pear, bitter melon, Chinese cucumber); muskmelon (includes cantaloupe); pumpkin; summer squash, winter squash (includes butternut squash, calabaza, hubbard squash, acorn squash, spaghetti squash); winter Muskmelon, including hybrids and/or varieties of <i>Cucumis melo</i> (including true cantaloupe, casaba, Santa Claus melon, crenshaw melon, honey balls, Persian melon, golden pershaw melon, mango melon, pineapple melon, snake melon); including hybrids and/or varieties of these; <i>Citrullus</i> spp.	3.5 to 8 pints/treated acre (56 to 128 fl. oz./treated acre) per application	Transplanting: Apply at a minimum of 0 days prior to transplanting.
ALL FRUITING VEGETABLES (CROP GROUP 8-10) Tomato, bell pepper and other fruiting vegetables including: African eggplant; bush tomato; all varieties of pepper (includes pepper, chili pepper, cooking pepper, pimento, hot and sweet pepper); cocona; currant tomato; eggplant; garden huckleberry; goji berry; groundcherry; martynia; naranjilla; okra; pea eggplant; pepino; nonbell pepper; roselle; scarlet eggplant; sunberry; tomatillo; tree tomato; cultivars, varieties, and/or hybrids of these	3.5 to 8 pints/treated acre (56 to 128 fl. oz./treated acre) per application	Transplanting: Apply at a minimum of 0 days prior to transplanting. Direct seeding: Apply VIGILANCE® a minimum of 0 days before seeding and make 2 supplemental irrigations prior to planting as per Chart 1.

ALL BRASSICA HEAD AND STEM VEGETABLES (CROP GROUP 5-16)* Broccoli, cabbage, cauliflower and other Brassicas including: broccoli, Chinese (gai lon); broccoli rabe (rapini); Brussels sprouts; cabbage, Chinese (bok choy); cabbage, Chinese (napa); cabbage, Chinese mustard (gai choy); cavalo broccolo; collards; kale; kohlrabi; mizuna; mustard greens; mustard spinach; rape greens, Japanese mustard spinach and hot herb mustard	3.5 to 8 pints/treated acre (56 to 128 fl. oz./treated acre) per application	Transplanting: Apply at a minimum of 0 days prior to transplanting. Direct seeding: Apply VIGILANCE® a minimum of 0 days before seeding and make 2 supplemental irrigations prior to planting as per Chart 1.
ALL LEAFY VEGETABLES (CROP GROUP 4)* Celery, lettuce (head and leaf), spinach and other leafy vegetables including: amaranth (Chinese spinach); arugula (roquette); cardoon; celery, Chinese; celtuce; chervil; chrysanthemum, edible-leaved; chrysanthemum, garland; corn salad; cress, garden; cress, upland; dandelion; dock (sorrel); endive (escarole); fennel, Florence; orach; parsley; purslane, garden; purslane, winter; radicchio (red chicory); rhubarb; spinach, New Zealand; spinach, vine; Swiss chard	3.5 to 8 pints/treated acre (56 to 128 fl. oz./treated acre) per application	Transplanting: Apply at a minimum of 0 days prior to transplanting. Direct seeding: Apply VIGILANCE® a minimum of 0 days before seeding and make 2 supplemental irrigations prior to planting as per Chart 1.
ALL POME FRUIT (CROP GROUP 11-10) Apple; azarole; crabapple; loquat; mayhaw; medlar; pear; pear, Asian; quince; quince, Chinese; quince, Japanese; tejocote; cultivars, varieties, and/or hybrids of these	8 pints/treated acre 128 fl. oz./treated acre) per application	Transplanting: Apply at a minimum of 0 days prior to transplanting. Direct seeding: Apply VIGILANCE® a minimum of 0 days before seeding and make 2 supplemental irrigations prior to planting as per Chart 1.

ALL BERRY AND SMALL FRUIT (CROP GROUP 13-07)* including: Bearberry; bilberry; blueberry, lowbush; cloudberry; cranberry; lingonberry; muntries; partridgeberry; strawberry; cultivars, varieties, Amur river grape; Gooseberry; Grape (table, wine, and raisin); Kiwifruit, hardy; Maypop; Schisandra berry; Cultivars, varieties, and/or hybrids of these and/or hybrids of these	3.5 to 8 pints/treated acre (56 to 128 fl. oz./treated acre) per application	Apply at a minimum of 0 days before transplanting. For all perennial crops, VIGILANCE® application may be split between spring and fall. The spring application must be made 0 days or more prior to bloom. The fall application must be made after harvest.
ALL BULB VEGETABLE (CROP GROUP 3-07): Amur river grape; Gooseberry; Grape (table, wine, and raisin); Kiwifruit, hardy; Maypop; Schisandra berry; Cultivars, varieties, and/or hybrids of these	1 to 2 gallons/treated acre (128 to 256 fl. oz./ treated acre) per application	Applications can be made at root flush to start season and again after harvest or during season at any point without limitations.
ALL LEAVES OF ROOT AND TUBER VEGETABLES (CROP GROUP 2) Turnip and garden beet or sugar beet and any others not listed.	8 pints/treated acre 128 fl. oz./treated acre) per application	Applications need to be made at planting, again at 1440 degree days and 30-45 days later.
ALL ROOT AND TUBER VEGETABLES (CROP GROUP 1): Potatoes and tuberous and corm vegetables; artichoke; cassava; chayote root; Chinese artichoke; garden beet; ginger; Jerusalem artichoke; potatoes; sugar beet; sweet potatoes; turmeric; yams black salsify; carrot; celeriac; chicory; edible burdock; ginseng; horseradish; parsnip; radish; Oriental radish; rutabaga; salsify; skirret; Spanish salsify; turnip; turnip-rooted chervil; and turnip-rooted parsley	3.5 to 8 pints/treated acre (56 to 128 fl. oz./treated acre) per application	Transplanting: Apply at a minimum of 0 days prior to transplanting. Direct seeding: Apply VIGILANCE® a minimum of 0 days before seeding and make 2 supplemental irrigations prior to planting as per Chart 1.

ALL FORAGE AND HAY LEGUME VEGETABLE (CROP GROUP 7-22)	6 to 8 pints/treated acre 128 fl. oz./treated acre) per application	Apply 6 to 8 pints at start of season. If nematode populations are high split application into 4 pint application every 60 days.
ALL STALK, STEM AND LEAF PETIOLE VEGETABLE (CROP GROUP 22)	6 to 8 pints/treated acre 128 fl. oz./treated acre) per application	Apply 6 to 8 pints every 120 days.
ALL HERB AND SPICES (CROP GROUPS 25 & 26)	2 to 4 pints/treated acre 64 fl. oz./treated acre) per application	Apply 2 to 4 pints every 90 days.
ALL GRASS FORAGE, FODDER AND HAY GROUP (CROP GROUP 17) ANY GRASS, GRAMINEAE FAMILY (EITHER GREEN OR CURED) EXCEPT SUGARCANE AND THOSE INCLUDED IN THE CEREAL GRAINS GROUP, THAT WILL BE FED TO OR GRAZED BY LIVESTOCK, ALL PASTURE AND RANGE GRASSES AND GRASSES GROWN FOR HAY OR SILAGE	4 to 8 pints/treated acre (56 to 128 fl. oz./treated acre) per application	Apply 4 to 8 pints at planting.
ALL BEARING AND NONBEARING AND BEARING CITRUS (CROP 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; orange, sour; orange, sweet; pummelo; Russell River lime; satsuma mandarin; sweet lime; Tachibana orange; Tahiti lime; tangelo; tangerine (Mandarin); tangor; trifoliate orange; uniuq fruit; cultivars, varieties, and/or hybrids of these	6 to 8 pints/treated acre 128 fl. oz./treated acre) per application	Apply 6 to 8 pints at spring and fall root flush.

ALL NONBEARING AND BEARING STONE FRUIT (CROP GROUP 12-12): Apricot; apricot, Japanese; capulin; cherry, black; cherry, Nanking; cherry, sweet; cherry, tart; jujube, Chinese; nectarine; peach; plum; plum, American; plum, beach; plum, Canada; plum, cherry; plum, chickasaw; plum, damson; plum, Japanese; plum, klamath; plum, prune; plumcot; sloe; cultivars, varieties, and/or hybrids of these	6 to 8 pints/treated acre 128 fl. oz./treated acre) per application	Apply 6 to 8 pints at spring and fall root flush.
ALL NONBEARING AND BEARING TREE NUT (CROP 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 (filbert); heartnut; hickory nut; Japanese horse-chestnut; macadamia nut; 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	6 to 8 pints/treated acre 128 fl. oz./treated acre) per application	Apply 6 to 8 pints at spring and fall root flush.
ALL CEREAL GRAINS (CROP GROUP 15-22): Barley; buckwheat; grain amaranth; milo; oats; pearl millet; proso millet; rye; sorghum; triticale; wheat; rice; corn (field corn, sweet corn, popcorn and corn grown for seed)	3.5 to 8 pints/treated acre	Direct seeding: Apply VIGILANCE® a minimum of 0 days before seeding and make 2 supplemental irrigations prior to planting as per Chart 1.
ALL OIL SEED (CROP GROUP 20): Canola; castor; cotton (seed); flax; jojoba; rapeseed; safflower; sesame; sunflower (including sunflower grown for seed); seed treatment for oilseed, excluding cotton	3.5 to 8 pints/treated acre	Direct seeding: Apply VIGILANCE® a minimum of 0 days before seeding and make 2 supplemental irrigations prior to planting as per Chart 1.

ALL LEGUME VEGETABLES (CROP GROUP 6-22): Adzuki bean; black-eyed pea; beans; chickpea; cowpea; crowder pea; edible-pod pea; English pea; fava bean; field bean; field pea; garbanzo bean; garden pea; green pea; kidney bean; lentils; lima bean; lupins; mung bean; navy bean; peas; pigeon pea; pinto bean; runner bean; snap bean; snow pea; sugar snap pea; tepary bean; wax bean; yardlong bean; soybean	3.5 to 8 pints/treated acre (56 to 128 fl. oz./treated acre) per application	Direct seeding: Apply VIGILANCE® a minimum of 0 days before seeding and make 2 supplemental irrigations prior to planting as per Chart 1.
ALL FORAGE, HAY, STOVER, AND STRAW OF CEREAL GRAINS. (CROP GROUP 16-22) SORGHUM SPP. (SORGHUM, FORAGE; SORGHUM, STOVER; SUDANGRASS AND HYBRIDS OF THESE GROWN FOR FORAGE AND/OR STOVER)	6 to 8 pints/treated acre 128 fl. oz./treated acre) per application	Direct seeding: Apply VIGILANCE® a minimum of 0 days before seeding and make 2 supplemental irrigations prior to planting as per Chart 1.
ALL TROPICAL AND SUBTROPICAL FRUIT BOTH INEDIBLE AND EDIBLE PEEL (CROP GROUPS 23 & 24) DATE, FIG, GUAVA AND OLIVE, ATEMOYA OR SUGAR APPLE, AVOCADO, BANANA OR POMEGRANATE, DRAGON FRUIT, LYCHEE, PASSIONFRUIT, PINEAPPLE AND PRICKLY PEAR, FRUIT AND ANY OTHER NOT LISTED.	6 to 8 pints/treated acre 128 fl. oz./treated acre) per application	Direct seeding: Apply VIGILANCE® a minimum of 0 days before seeding and make 2 supplemental irrigations prior to planting as per Chart 1.

IMPORTANT: READ BEFORE USE

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KEEP OUT OF REACH OF CHILDREN
CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle
(If you do not understand this label, find someone to explain it to you in detail)

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Vigilance

N E M A T I C I D E

ACTIVE INGREDIENT:

Geraniol.....4.5%

OTHER INGREDIENTS:*.....95.5%

TOTAL:.....100.00%

*Water

KEEP OUT OF REACH OF CHILDREN
CAUTION



* May cause allergy or asthma symptoms or breathing difficulties if inhaled.

* May cause an allergic skin reaction

* Toxic to aquatic life

ENVIRONMENTALLY SAFE
When Used as Directed

NET CONTENTS: ■ 2.5 Gal (9.5 L)

AGRI LINE

This product has not been registered by the United States Environmental Protection Agency. GroPro represents that this product qualifies for exemption from registration under FIFRA 25(b) FIFRA 40.

How can we help?

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