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STARS TO NUMPER AND AL PROTECTION

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Teresa Cox Regulatory Product Manager Syngenta Crop Protection, Inc. PO Box 18300 Greensboro, NC 27419-8300

APR 0 9 2009

Dear Ms. Cox:

SUBJECT: Vangard WG

EPA Registration Number 100-828 Your submission of November 21, 2008 incorporating recent supplemental labels into a master label OPPIN decision number 403711

The amendment referred to above, submitted in connection with registration under section (3) of the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) is acceptable provided you make the following changes:

Page 3 – User Safety Requirements:

Change the sentence "If no such instructions for washables, use detergent and hot water." to "If no such instructions for washables exist, use detergent and hot water." Place the text "Follow manufacturer's instructions . . . to ". . . separately from other laundry." inside a box and entitle the box "User Safety Requirements."

Page 7 – Rotational Crop Restrictions

Change the list of crops with "0 days" in the "Planting Time From Last Application . . . so that it reads

Beans (dried and succulent except cowpeas) - see crop list on page 19

Berries (bushberries, caneberries, juneberry, lingonberry, salal) – see crop list on page 20

Brassica (Cole) Leafy Vegetables – see crop list on page 21

Cucurbits- see crop list on page 23

Herbs (fresh and dried) – see crop list on page 24

Leafy Vegetables (except Brassica and Spinach) – see crop list on page 25

Leaves of Root and Tuber Vegetables- see crop list on page 26

Onions (dry bulb, including garlic, and green)

Root Vegetables except Sugar beet- see crop list on page 28

Strawberries Tomatoes and tomatillos Watercress

Pre-Harvest Interval Language:

Delete the bullet "May be applied on the day of harvest (0 day PHI)" for citrus (page 13), kiwi (page 15), berries (page 20) leafy vegetables (except brassica and spinach) (page 25), strawberries (page 29), tomatoes (page 30), tropical fruits (page 31) and watercress (page 32).

Pages 29 and 30 – Storage and Disposal:

Place the Storage and Disposal language (including container language) inside a box.

Page 31 – Container Handling [Less Than 5 Gallons]

Replace the text:

"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 ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use and disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times."

"Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ 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."

Please submit one copy of your final printed supplemental labeling before the product is released for shipment. A stamped copy of the label is enclosed for your records.

If you have any questions, please contact Lisa Jones on my team at (703) 308-9424 or jones.lisa@epa.gov.

Sincerely yours,

Looper

Shaja B. Joyner Product Manager (20) Fungicide Branch Registration Division (7505C)

Enclosure: Stamped label

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GROUP 9 FUNGICIDE

Vangard® WG

Fungicide

For control of certain diseases in fruits, herbs, nuts and vegetables

Active Ingredient:

Cyprodinil: 4-cyclopropyl-6-methyl-N-phenyl-pyrimidinamine*	
Other Ingredients:	25.0%
Total:	100.0%

*CAS No. 121552-61-2

Vangard WG is a water-dispersible granule.

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements and directions for use inside booklet.

EPA Reg. 100-828

EPA Est.

Net Weight

ACCEPTED with COMMENTS In EPA Letter Dated: APR 0 9 2009

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No.

100-828

· · · · · · · · · · · · · · · · · · ·	FIRST AID
lf 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 eye. Call a poison control center or doctor for treatment advice.
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.
······································	NOTE TO PHYSICIAN
If ingested, ind	uce emesis or lavage stomach. Treat symptomatically.
the second s	act container or label with you when calling a poison control center or
	HOT LINE NUMBER
For	24 Hour Medical Emergency Assistance (Human or Animal) or
	nemical Emergency Assistance (Spill, Leak, Fire, or Accident) Call
, 	1-800-888-8372

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco or the toilet. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category A on an EPA chemical-resistance category selection chart.

Handlers applying this product as a pre-plant dip to strawberry roots and crowns and workers packaging or preparing treated roots and crowns for shipment must wear:

- Chemical-resistant apron made of any waterproof material
- Elbow-length chemical-resistant gloves made of any waterproof material
- Chemical-resistant boots made of any waterproof material

All other applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof materials such as polyethylene or polyvinyl chloride
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Control Statements

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

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.

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. Do not apply when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment washwater or rinsate.

Surface and Ground Water Advisory

This chemical may contaminate water through runoff. This chemical has a potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this chemical. A level, well maintained vegetative buffer strip between areas to which this chemical is applied and surface water features such as ponds, streams, and springs will reduce the potential for contamination of water from rainfall-runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

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Physical or Chemical Hazards

Do not use, pour, spill or store near heat or open flame.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, Inc. or Seller. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of the product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and Buyer and User assume the risk of any such use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

To the extent consistent with applicable law, neither SYNGENTA or Seller shall be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND 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 THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitations of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

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.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 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. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

GENERAL INFORMATION

Vangard WG is a broad spectrum fungicide which controls certain diseases in fruits, herbs, nuts and vegetables.

GENERAL USE PRECAUTIONS

Rotational Crop Restrictions

Do not plant any crop which is not registered for use with cyprodinil for a period of 30 days, unless a shorter interval is specified on the following list.

Rotation Crop	Planting Time From Last Vangard WG Application
Beans (dried and succulent except cowpeas)	
Berries (bushberries, caneberries, juneberry, lingonberry, salal)	· · · ·
Brassica (Cole) Leafy Vegetables	
Cucurbits	
Herbs (fresh and dried)	
Leafy Vegetables (except Brassica and Spinach)	
Leaves of Root and Tuber Vegetables	0 days
Onions (dry bulb, including garlic, and green)	
Root Vegetables except Sugar beet	
Strawberries	
Tomatoes	
Watercress	
Crops Not Intended for Food or Feed	
All Other Crops Intended for Food or Feed	30 days

In annual crops, where multiple crops can be grown per year (double/triple cropping), do not apply more than 1.3 lb. a.i. per acre per year to an individual plot of land.

Aerial use is for California only. Make no more than one aerial application per season. For the crops to which aerial applications are allowed, refer to the specific crop directions for use.

FAILURE TO FOLLOW DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR DISEASE CONTROL, AND/OR ILLEGAL RESIDUES.

NOTICE: UNDER CONDITIONS CONDUCIVE TO EXTENDED INFECTION PERIODS, ADDITIONAL FUNGICIDE APPLICATIONS BEYOND THE NUMBER ALLOWED BY THIS LABEL MAY BE NEEDED. UNDER THESE CONDITIONS, USE ANOTHER FUNGICIDE REGISTERED FOR THE CROP/DISEASE APPEARING ON THIS LABEL.

RESISTANCE MANAGEMENT

GROUP 9 FUNGICIDE

Vangard WG contains the fungicide cyprodinil, an anilinopyrimidine in Group 9. A disease management program that includes alternation or tank mixes between Vangard WG and other labeled fungicides that have a different mode of action is essential to prevent pathogen populations from developing resistance to Vangard WG. Do not alternate or tank mix this product with fungicides to which resistance has already developed. Vangard WG may be applied in an alternating or blocking program.

APPLICATION INSTRUCTIONS

For best disease control, apply Vangard WG in sufficient water to provide thorough and uniform coverage. Recommended minimum ground spray volumes are 50 gals./A for tree crops, 30 gals./A for vine crops, and 15 gals./A for field and vegetable crops. For aerial application, see recommendations in the specific crop directions for use.

To avoid spray drift, do not apply when conditions favor drift beyond the target area. Avoid spray overlap, because crop injury may occur.

For air assisted or air blast sprayers, move spray droplets into the canopy using a forced air stream. Set up the fan to deliver only enough air volume to penetrate the canopy and provide good coverage. Adjust deflectors or other aiming devices to direct spray only to the target area.

Equip sprayers with nozzles that provide accurate and uniform application. Check whirl plates and nozzle discs for wear and replace as necessary. Calibrate sprayer before use.

Use a pump with capacity to maintain the correct rated pressure for the nozzles selected. Maintain sufficient agitation to keep the spray mixture in suspension. Use a jet agitator, liquid sparge tube, or mechanical paddle for agitation. Do not air sparge.

Use screens to prevent nozzles from clogging. Use 50-mesh or coarser screens placed after the tank and before the nozzles. Check nozzle manufacturer's recommendations.

For more information on spray equipment and calibration, consult sprayer manufacturers and state recommendations. For specific local directions and spray schedules, consult the current state agricultural experiment station recommendations.

Chemigation: Do not apply this product through any type of irrigation system.

OBSERVE THE FOLLOWING PRECAUTIONS WHEN SPRAYING IN THE VICINITY OF AQUATIC AREAS SUCH AS LAKES, RESERVOIRS, RIVERS, PERMANENT STREAMS, MARSHES OR NATURAL PONDS, ESTUARIES, AND COMMERCIAL FISH PONDS.

- Do not apply within 75 ft. of bodies of water such as lakes, reservoirs, rivers, permanent streams, natural ponds, marshes or estuaries.
- For all plantings within 150 ft. of bodies of water as described above, spray crops from outside the planting away from the bodies of water.
- Shut off the sprayer when row ends.
- Spray last three rows windward of aquatic areas using nozzles on one side only, with spray directed away from aquatic areas. Avoid spray going over the tops of trees by adjusting or turning off top nozzles. Shut off nozzles on the side away from the grove/orchard when spraying the outside row. Shut off nozzles when turning at ends of row or passing tree gaps in the rows.
- Do not cultivate within 10 ft. of aquatic areas in order to allow a vegetative filter strip.
- Do not apply when weather conditions favor drift to aquatic areas. Do not apply when gusts or sustained winds exceed 10 mph.
- Do not apply during a temperature inversion. Mist or fog may indicate the presence of an inversion in humid areas.

Aerial Spray Recommendations and Precautions

Aerial use is for California only. Make no more than one aerial application per season.

Avoid applications under conditions when uniform coverage cannot be obtained or when excessive drift may occur.

Observe the following precautions when spraying in the vicinity of aquatic areas such as lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries and commercial fish ponds.

- Do not apply by air within 150 ft. of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries and commercial fish ponds.
- For aerial applications, the spray boom should be mounted on the aircraft so as to minimize the drift caused by wing tip vortices. The minimum practical boom length should be used, and must not exceed 75% of wing span or rotor diameter.

- Use the largest droplet size consistent with good pest control. Formation of very small droplets may be minimized by appropriate nozzle selection, by orientating nozzles away from the air stream as much as possible, and by avoiding excessive spray boom pressure.
- Spray should be released at the lowest height consistent with pest control and flight safety. Applications more than 10 feet above the crop canopy must be avoided.
- Risk of exposure to aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.
- Do not apply when weather conditions favor drift to aquatic areas. Do not apply when gusts or sustained winds exceed 10 mph.
- Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of increased spray drift to aquatic area. Avoid spraying during conditions of low humidity and/or high temperatures.
- Do not apply during a temperature inversion. Mist or fog may indicate the presence of an inversion in humid areas.

MIXING PROCEDURES

Prepare no more spray mixture than is needed for the immediate operation. Thoroughly clean spray equipment before using this product. Vigorous agitation is necessary for proper dispersal of the product. Maintain maximum agitation throughout the spraying operation. Do not let the spray mixture stand overnight in the spray tank. Flush the spray equipment thoroughly following each use and apply the rinsate to a previously treated area. Buffer the spray solution to a pH of 5.0-7.0 when tank mixed with Rovral[®] Fungicide.

Vangard WG Alone: Add ½ of the required amount of water to the mix tank. With the agitator running, add the Vangard WG to the tank. Continue agitation while adding the remainder of the water. Begin application of the solution after the Vangard WG has completely dispersed into the mix water. Maintain agitation until all of the mixture has been applied.

Vangard WG + Tank Mixtures: Add ½ of the required amount of water to the mix tank. Start the agitator running before adding any tank mix partners. In general, add tank mix partners in this order: products packaged in water-soluble packaging, wettable powders, wettable granules (dry flowables) such as Vangard WG, liquid flowables, liquids, and emulsifiable concentrates. Always allow each tank mix partner to become fully dispersed before adding the next product. Provide sufficient agitation while adding the remainder of the water. Maintain agitation until all the mixture has been applied.

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When using Vangard WG in tank mixtures, add all products in water-soluble packaging to the tank before any other tank mix partner, including Vangard WG. Allow the water-soluble packaging to completely dissolve and the product(s) to completely disperse before adding any other tank mix partner to the tank.

If using Vangard WG in a tank mixture, observe all directions for use, crops/sites, use rates, dilution ratios, precautions, and limitations which appear on the tank mix product label. Do not exceed label dosage rates, and follow the most restrictive label precautions and limitations. Vangard WG must not be mixed with any product which prohibits such mixing. Tank mixtures or other applications of products referenced on this label are permitted only in those states in which the referenced products are registered.

Additives: Vangard WG is compatible with most crop protection additives. Do not use X-77® with Vangard WG for bloom sprays applied to stone fruits, almonds and pistachios.

CROP USE DIRECTIONS - TREES, NUTS AND VINES

Сгор	Disease	Rate oz./Acre	Remarks
Almonds	Brown rot blossom blight (<i>Monilinia</i> spp.)		Apply Vangard WG at 5-10% bloom. Additional applications at 50-100% bloom and petal fall may be necessary.
	Suppression: Green fruit rot (Jacket rot) (<i>Botrytis cinerea</i>) Shot hole (<i>Wilsonomyces</i> <i>carpophilus</i>)	5 - 10	 When used for control of brown rot blossom blight, Vangard WG will provide suppression of shot hole. For broad spectrum disease control in tank mixture; apply Vangard WG at a minimum rate of 5 oz. in tank mixtures with other fungicides registered for use on almonds. For suppression of green fruit rot, apply Vangard WG at full bloom. Disease suppression for almond diseases refers to erratic control from fair to good, or consistent control at a level below that obtained with products registered for control.

Specific Use Restrictions

 Application may be made by ground. Aerial application in California only. Make no more than one application by air. Use a minimum of 20 gallons/acre spray volume by air. Make additional applications by ground up to the maximum allowable a.i./A per plot of land per year.

Do not apply more than 30 oz./A of Vangard WG (1.4 lb. a.i./A of cyprodinil) per plot of land per year.

Do not apply within 60 days of harvest (60 day PHI).

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Сгор	Disease	Rate oz./Acre	Remarks
Citrus Lemon Lime	Alternaria Stem End Rot (<i>A. citri</i>)	5.5 - 7	Make one application near harvest to prevent post harvest fruit rot. The application may be made up to and including the day of harvest.
Line	Anthracnose (<i>Colletotrichum</i> gloeosporioides)		
	Blue Mold (Penicillium italicum)		
	Green Mold (Penicillium digitatum)		

Application may be made by ground only.
Do not apply more than 7 oz./A of Vangard WG per plot of land per year.
Do not apply more than 0.33 lb. a.i./A of cyprodinil containing products per plot of land per year.
May be applied on the day of harvest (0 day PHI).

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Crop	Disease	Rate oz./Acre	Remarks
Grapes	Botrytis bunch rot (<i>Botrytis</i> spp.)	Vangard WG alone	Begin applications of Vangard WG at early bloom. Make an additional application at berry touch, veraison, or preharvest, using at least a 7-day spray
	Suppression: Powdery mildew (Uncinula necator)	10	interval. Botrytis bunch rot is most effectively controlled by ground application, using sufficient water volume to provide thorough coverage. Thorough coverage of bunches is essential.
			When used at 10 oz./A, Vangard WG will provide significant suppression (approximately 60% control) of powdery mildew.
· .		Vangard WG tank mixtures	Apply Vangard WG in tank mixture with the recommended rate of another fungicide registered or grapes for control of Botrytis bunch rot.
	.	5 - 10	

Specific Use Restrictions

 Application may be made by ground. Aerial application in California only. Make no more than one application by air. Use a minimum of 20 gallons/acre spray volume by air. Make additional applications by ground up to the maximum allowable a.i./A per plot of land per year.

• Do not apply more than 30 oz./A of Vangard WG (1.4 lb. a.i./A of cyprodinil) per plot of land per year.

• Do not apply within 7 days of harvest (7 day PHI).

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Сгор	Disease	Rate oz./Acre	Remarks
Kiwi	Botrytis Fruit Rot	10	Make 1-2 applications on a 7-10 day interval prior to
	(Botrytis spp.)		harvest to prevent post harvest fruit rot.

Specific Use Restrictions

• Application may be made by ground. Aerial application in California only. Make no more than one application by air. Use a minimum of 20 gallons/acre spray volume by air. Make additional applications by ground up to the maximum allowable a.i./A per plot of land per year.

• Do not apply more than 20 oz. of Vangard WG (0.94 lb. a.i./A of cyprodinil) per plot of land per year.

• May be applied on the day of harvest (0 day PHI).

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Crop	Disease	Rate oz./Acre	Remarks
Pistachios	Botrytis (<i>Botrytis</i> spp.)	5.5 - 7	Make the first application during early bloom and repeat applications at 14-day intervals if conditions remain favorable for disease development.
	Alternaria		
	(Alternaria		
	alternata)		

Specific Use Restrictions

• Application may be made by ground. Aerial application in California only. Make no more than one application by air. Use a minimum of 20 gallons/acre spray volume by air. Make additional applications by ground up to the maximum allowable a.i./A per plot of land per year.

• Do not apply more than 28 oz./A of Vangard WG (1.3 lb. a.i./A of cyprodinil) per plot of land per year.

• Do not apply within 7 days of harvest (7 day PHI).

Сгор	Disease	Rate oz./Acre	Remarks
Pome Fruits	Prebloom	Vangard WG alone	For pome fruits except pear, begin application at green tip and continue on a 7- to 10-day interval.
Apples Crabapples	Scab (<i>Venturia</i> spp.)	5	Under severe disease pressure, use the shorter interval.
Loquat Mayhaw Pears (see tank		Vangard WG tank mixtures	For scab control utilizing multiple modes of action, apply Vangard WG in tank mixture with the recommended rate of a protectant or systemic
mixture instructions)		3 - 5	fungicide registered on pome fruit. Make applications on a 7- to 10-day interval:
Quince	Pink, bloom, post- bloom	Vangard WG tank mixtures	Apply Vangard WG in tank mix combination with the recommended rate of a protectant fungicide. Use of the recommended rate of an EBDC fungicide will
	Scab (Venturia spp.)	3 - 5	broaden the disease control spectrum to include cedar apple rust. The addition of the recommended rate of sulfur or a sterol inhibitor (SI) fungicide to this tank mix will broaden the disease control spectrum to include powdery mildew.

• In pears, apply Vangard WG in tank mix only.

Application may be made by ground. Aerial application in California only. Make no more than one application by air. Use a minimum of 20 gallons/acre spray volume by air. Make additional applications by ground up to the maximum allowable a.i./A per plot of land per year.

• Do not apply more than 30 oz./A of Vangard WG (1.4 lb. a.i./A of cyprodinil) per plot of land per year.

• Do not apply within 72 days of harvest (72 day PHI).

Сгор	Disease	Rate oz./Acre	Remarks
Stone Fruits (Including all cultivars and/or hybrids of these) Apricots	Brown rot blossom blight (Monilinia spp.)	5	Begin applications at bloom stage (apricots at red bud, cherries at popcorn, peaches and nectarines at pink bud, plums and prunes at green tip). Make a second application at full bloom. Use Vangard WG alone or in tank mixture with the recommended rate of another fungicide registered for stone fruit.
Tart cherries Nectarines Peaches Plums	California only Fruit brown rot (Monilinia spp.)	Vangard WG alone 10	Apply a maximum of 2 applications of Vangard WG during the preharvest period up through 2 days prior to harvest as needed.
Prunes		Vangard WG tank mixtures	Apply Vangard WG in tank mixture with the recommended rate of another fungicide registered on stone fruit for control of fruit brown rot.
		5	·

• Do not apply Vangard WG to sweet cherries.

 Application may be made by ground. Aerial application in California only. Make no more than one application by air. Use a minimum of 20 gallons/acre spray volume by air. Make additional applications by ground up to the maximum allowable a.i./A per plot of land per year.

• Do not apply more than 30 oz. of Vangard WG (1.4 lb. a.i./A of cyprodinil) per plot of land per year.

• Do not apply within 2 days of harvest (2 day PHI).

CROP USE DIRECTIONS - BERRIES, FRUITS, HERBS AND VEGETABLES

Сгор	Disease	Rate oz./Acre	Remarks
Beans (Dried and Succulent except	Gray mold (Botrytis cinerea)	. 5.5 - 7	Begin applications prior to or at the onset of disease and repeat applications on a 7-day interval if conditions remain favorable for disease development.
cowpeas)			Resistance Management: After 2 applications of Vangard WG, alternate with another fungicide with a different mode of action for 2 applications.
Chickpea (garbanzo bean)	,		amerent mode of action for 2 applications.
Bean (Lupinus			
spp.) (grain lupin,			
sweet lupin,			
white lupin, white			
sweet lupin)			
Bean (Phaseolus			
spp.) (kidney, lima, mung,			
navy, pinto,			
snap, wax)			
Broad Bean (fava			
bean)			
Bean (<i>Vigna</i> spp.)			
(asparagus,			
blackeved nea)			

blackeyed pea)
Specific Use Restrictions

Application may be made by ground only. Do not apply more 28 oz./A of Vangard WG (1.3 lb. a.i./A of cyprodinil) per plot of land per year. Do not apply within 7 days of harvest (7 day PHI).

Сгор	Disease	Rate oz./Acre	Remarks
Berries	Mummy berry	5.5 - 7	Begin applications prior to or at the onset of disease
(Including all	(Monilinia		and repeat applications on a 7- to 10-day interval if
cultivars and/or	vacciniicorymbosi)	•	conditions remain favorable for disease development.
hybrids of these)			
	Anthracnose		Resistance Management: After 2 applications of
Bushberries	(Colletotrichum	•	Vangard WG, alternate with another fungicide with a
Blueberry	spp.)		different mode of action for 2 applications.
Currant			
Elderberry	Alternaria fruit rot		
Gooseberry	(Alternaria		
Huckleberry	tenuissima)		
Caneberries	Botrytis fruit rot		•
Blackberry	(Botryis cinerea)		
Loganberry			
Red and Black			
Raspberry			
lunchern			
Juneberry			
Lingonberry			
Salal Specific Line Restr	<u> </u>		

 Application may be made by ground. Aerial application in California only. Make no more than one application by air. Use a minimum of 5 gallons/acre spray volume by air. Make additional applications by ground up to the maximum allowable a.i./A per plot of land per year

• Do not apply more than 28 oz./A of Vangard WG (1.3 lb. a.i./A of cyprodinil) per plot of land per year.

• May be applied on the day of harvest (0 day PHI).

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Crop	Disease	Rate oz./Acre	Remarks
Brassica (Cole) Leafy Vegetables (Including all cultivars and/or hybrids of these) Broccoli Broccoli, Chinese Broccoli raab Brussels sprouts Cabbage Cabbage, Chinese Cauliflower Cavalo broccolo Collards	Powdery mildew (Erysiphe polygoni)	5.5 - 7	Begin applications prior to or at the onset of disease and repeat applications on a 7- to 10-day interval if conditions remain favorable for disease development. Resistance Management: After 2 applications of Vangard WG, alternate with another fungicide with a different mode of action for 2 applications.
Kale Kohlrabi Mizuna Mustard greens Mustard spinach Rape greens Turnip greens			

Application may be made by ground only. .

Do not use roots of treated turnips for food or feed. Only turnip varieties harvested for their leaves may be treated.

Do not apply more than 28 oz./A of Vangard WG (1.3 lb. a.i./A of cyprodinil) per plot of land per year. Do not apply within 7 days of harvest (7 day PHI).

Remarks

conditions remain favorable for disease development.

Vangard WG, alternate with another fungicide with a

Begin applications prior to or at the onset of disease

and repeat applications on a 7-10 day interval if

Resistance Management: After 2 applications of

different mode of action for 2 applications.

•	Application may be made by ground only. Do not apply more than 28 oz./A of Vangard WG per plot Do not apply more than 1.3 lb. a.i./A of cyprodinil containin May be applied up to 1 day before harvest (1 day PHI).
	· · · · · ·

Specific Use Restrictions

Crop

Chinese waxgourd

(Bitter melon,

Balsam apple)

Including cultivars

and/or hybrids of

Cucurbits

Cantaloupe

Cucumber Gourds

Honeydew Momordica spp.

Muskmelon Watermelon

Pumpkin Squash

Zucchini

these

Chayote

of land per year.

Disease

(A. cucumerina)

Alternaria Leaf

Alternaria Leaf

Gummy Stem

bryoniae)

Erysiphe

Powdery Mildew

(Sphaerotheca fuliginea,

cichoracearum)

(A. alternate)

Blight

Spot

Blight (Didymella

ing products per plot of land per year.

Rate

oz./Acre

5.5 - 7

		Rate	_
Сгор	Disease	oz./Acre	Remarks
Herbs	Alternaria leaf spot	5.5 - 7	Begin applications prior to or at the onset of disease
(Dried and fresh)	(Alternaria spp.)		and repeat applications on a 7- to 10-day interval if
• ···			conditions remain favorable for disease development.
Angelica	Botrytis leaf blight		
Balm	(Botrytis spp.)		Resistance Management: After 2 applications of
Basil			Vangard WG, alternate with another fungicide with a
Borage			different mode of action for 2 applications.
Burnet			
Camomile			
Catnip		1	
Chervil, dried			
leaves			
Chive			
Clary			
Coriander, leaves	, , , , , , , , , , , , , , , , , , ,		
(cilantro)			
Costmary			
Culantro, leaves			
Curry, leaves			
Dillweed			
Horehound			
Hyssop			
Lavender			
Lemongrass			
Lovage, leaves			
Marigold			
Marjoram	[
Nasturtium			
Parsley, dried			
leaves	l	1	
Pennyroyal			
Rosemary			
Rue			
Sage			
Savory, summer			
and winter			
Sweet bay		· .	
Tansy			
Tarragon			
Thyme			
Wintergreen			
Woodruff			
Wormwood		<u> </u>	

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Application may be made by ground only. Do not apply more than 28 oz./A of Vangard WG (1.3 lb. a.i./A of cyprodinil) per plot of land per year. Do not apply within 7 days of harvest (7 day PHI).

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Сгор	Disease	Rate	Bemerke
Leafy Vegetables (except Brassica and Spinach) (Including cultivars and/or hybrids of these)	Disease Alternaria leaf spot (Alternaria spp.) Gray mold (Botrytis cinerea) Suppression:	oz./Acre 5.5 - 7	Remarks Begin applications prior to or at the onset of disease and repeat applications on a 7- to 10-day interval if conditions remain favorable for disease development. Resistance Management: After 2 applications of Vangard WG, alternate with another fungicide with a different mode of action for 2 applications.
Amaranth Arugula Chervil Chrysanthemum, edible Corn salad Cress	Powdery mildew (Erysiphe cichoracearum)		
Dandelion Dock Endive (escarole) Lettuce, head and leaf Orach Parsley Purslane Radicchio			

Specific Use Restrictions

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Application may be made by ground only. Do not apply more than 28 oz./A of Vangard WG (1.3 lb. a.i./A of cyprodinil) per plot of land per year. May be applied on the day of harvest (0 day PHI).

Crop	Disease	Rate oz./Acre	Remarks
Leaves of Root and Tuber Vegetables	Alternaria Leaf Blight <i>(Alternaria dauci)</i>	5.5 - 7	Begin applications prior to or at the onset of disease and repeat applications on a 7-10 day interval if conditions remain favorable for disease development.
Carrot Beet, garden Beet, sugar Burdock, edible Cassava	Powdery Mildew (Erysiphe spp.)		Resistance Management: After 2 applications of Vangard WG, alternate with another fungicide with a different mode of action for 2 applications.
Celeriac Chicory Dasheen			
Parsnip Radish (oriental) Rutabaga		• • •	
Salsify (including black and Spanish) Sweet Potato			
Tanier Turnip Turnip rooted chervil			
Yam (true)			
Radish			On radish, make no more than two applications per crop.

- Application may be made by ground only. Radish ONLY do not apply more than 14 oz. per crop or more than 28 oz./A of Vangard WG per plot of land per year.
- Do not apply more than 28 oz./A of Vangard WG per plot of land per year.
- Do not apply more than 1.3 lb. a.i./A of cyprodinil containing products per plot of land per year.
- Do not apply within 7 days of harvest (7 day PHI).
- Do not allow cattle or other livestock to feed upon the leaves of root vegetables.

Crop	Disease	Rate oz./Acre	Remarks
Onions	Botrytis leaf blight or blast	5.5 - 10	Begin applications prior to or at the onset of disease and repeat applications on a 7- to10-day interval if
Dry Bulb Green	(Botrytis spp.)		conditions remain favorable for disease development
Onions grown for seed	Purple blotch (Alternaria porri)		For optimal effect on neck rot, apply on a 7-day schedule at the 10 oz. rate.
Garlic	Suppression: Neck rot <i>(Botrytis</i> spp.)		Resistance Management: After 2 applications of Vangard WG, alternate with another fungicide with a different mode of action for 2 applications.
 Do not apply m 	y be made by ground on	gard WG (1.3 lt	o. a.i./A of cyprodinil) per plot of land per year.

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Crop	Disease	Rate oz./Acre	Remarks
Root Vegetables except Sugar beet	Alternaria Leaf Blight (Alternaria dauci)	5.5 - 7	Begin applications prior to or at the onset of disease and repeat applications on a 7-10 day interval if conditions remain favorable for disease development.
Burdock, edible Carrot Celeriac	Powdery Mildew (<i>Erysiphe</i> spp.)	×	Resistance Management: After 2 applications of Vangard WG, alternate with another fungicide with a different mode of action for 2 applications.
Chicory Beet, garden			
Ginseng Horseradish			
Parsnip Radish (oriental)			· · · ·
Rutabaga Salsify (including			
black and Spanish)			
Skirret Turnip]		
Turnip-root Parsley Turnip rooted chervil		· ·	
Radish		2	On radish, make no more than two applications per crop.

Application may be made by ground only. Radish ONLY - do not apply more than 14 oz. per crop or more than 28 oz./A of Vangard WG per plot of land per year.

Do not apply more than 28 oz./A of Vangard WG per plot of land per year.

Do not apply more than 1.3 lb. a.i./A of cyprodinil containing products per plot of land per year.

Do not apply within 7 days of harvest (7 day PHI).

Do not allow cattle or other livestock to feed upon the leaves of root vegetables.

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Crop	Disease	Rate oz./Acre	Remarks
Strawberries	Gray mold (Botrytis cinerea)	5.5 - 10	Begin application at or before bloom and continue on a 7- to 10-day interval.
	Powdery mildew (Sphaerotheca macularis)		Resistance Management: After 2 applications of Vangard WG, alternate with another fungicide with a different mode of action for 2 applications.
	Anthracnose (Colletotrichum spp.)		
	Root and crown anthracnose at planting (<i>Colletotrichum</i> spp.)	2.5-4 oz. per 100 gals. water	Apply as a pre-plant dip to strawberry roots and crowns at the rate of 2.5 to 4 oz. per 100 gals. of water for suppression of root and crown rot caused by anthracnose. Wash transplants to remove excess soil prior to dipping. This helps to remove adhering spores from the external plant parts. Completely immerse planting stock in dip solution. Dip or expose plants for a minimum of 2 to 5 minutes. DO NOT reuse solution. Dispose of dip solution according to local regulations.
			Plant treated plants as quickly as possible. For continued anthracnose control, follow with foliar applications of beginning 2-3 weeks after transplant.

Specific Use Restrictions

 Application may be made by ground. Aerial application in California only. Make no more than one application by air. Use a minimum of 5 gallons/acre spray volume by air. Make additional applications by ground up to the maximum allowable a.i./A per crop.

• Do not apply more than 28 oz./A of Vangard WG (1.3 lb. a.i./A of cyprodinil) per plot of land per year.

• May be applied on the day of harvest (0 day PHI).

Crop	Disease	Rate oz./Acre	Remarks
atoes	Early Blight	5.5 - 7	Begin applications prior to or at the onset of disease
	(Alternaria solani)		and repeat applications on a 7-10 day interval if
atillos			conditions remain favorable for disease development.
	Grey Mold		
	(Botrytis cinerea)		Resistance Management: After 2 applications of
			Vangard WG alternate with another fungicide with a

different mode of action for 2 applications.

Specific Use Restrictions

Tomatoes Tomatillos

• Application may be made by ground only.

• Do not apply more than 28 oz./A of Vangard WG per plot of land per year.

Do not apply more than 1.3 lb. a.i./A of cyprodinil containing products per plot of land per year.

• May be applied on the day of harvest (0 day PHI).

Powdery Mildew

(Leveillula

Do not apply to small tomatoes such as cherry or grape type tomatoes in the greenhouse.

Crop	Disease	Rate oz./Acre	Remarks
Tropical Fruits	Botrytis fruit rot	5.5 - 7	Make the first application during early bloom and
	(Botrytis spp.)		repeat on 7- to 10-day intervals if conditions remain
Avocado			favorable for disease development.
Black sapote	Alternaria fruit rot		
Canistel	(Alternaria spp.)		Resistance Management: After 2 applications of
Lychee			Vangard WG, alternate with another fungicide with a
Longan	Anthracnose		different mode of action for 2 applications.
Mamey sapote	(Colletotrichum		
Mango	. spp.)		
Papaya			
Pulasan			
Rambutan		•	
Sapodilla			
Spanish lime			
Star apple			

Application may be made by ground. Aerial application in California only. Make no more than one application by air. Use a minimum of 20 gallons/acre spray volume by air. Make additional applications by ground up to the maximum allowable a.i./A per plot of land per year. Do not apply more than 28 oz./A of Vangard WG (1.3 lb. a.i./A of cyprodinil) per plot of land per year. •

May be applied on the day of harvest (0 day PHI). .

Crop	Disease	Rate oz./Acre	Remarks
Watercress	Cercospora leafspot <i>(Cercospora</i> spp.)	5.5 - 7	Begin applications prior to or at the onset of disease and repeat applications on a 7- to 10-day interval if conditions remain favorable for disease development.
		· .	Resistance Management: After 2 applications of Vangard WG, alternate with another fungicide with a different mode of action for 2 applications.

Specific Use Restrictions
Application may be made by ground only.
Do not apply more than 28 oz./A of Vangard WG (1.3 lb. a.i./A of cyprodinil) per plot of land per year.
May be applied on the day of harvest (0 day PHI).

STORAGE AND DISPOSAL

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

Pesticide Storage

Store in a cool, dry, secure place.

Pesticide Disposal

Pesticide wastes may be toxic. Improper disposal of unused pesticide, spray mixture, or rinse water is a violation of Federal law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance in proper disposal methods.

Container Handling [Less Than 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 ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use and disposal. Drain for 10 seconds after the flow begins to drip. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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Manufactured for: Syngenta Crop Protection, Inc. P. O. Box 18300 Greensboro, North Carolina 27419-8300

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