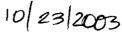
100-813



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Larry Zang Novartis Crop Protection, Inc. P.O. Box 18300 Greensboro, NC 27419-8300

DCT 23 2003

Dear Mr. Zang:

SUBJECT: Vangard WP Fungicide EPA Registration Number 100-813 Your Submission of July 18, 2003

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 that you make the following change:

Precautionary Statements:

Change the sentence "Harmful if swallowed or absorbed through skin" to "Harmful if absorbed through skin".

Please submit one copy of your final printed labeling before you release the product for shipment. A stamped copy of the label is enclosed for your records. If you have any questions, please contact Lisa Jones of my staff by phone at (703) 308-9424 or by e-mail at jones.lisa@epa.gov.

Sincerely,

Mary Walle,

Mary L. Waller Product Manager (21) Fungicide Branch Registration Division (7505C)

Enclosure: Stamped Label

			CONCURREN	CES			
SYMBOL +	7505C						
SURNAME •	Lisa Jones						
DATE >	Oct 22, 2003						
EBA Form 12'							

EPA Form 1320-1 (12-70)

OFFICIAL FILE COPY

Vangard[™] WP

Fungicide

For control of certain diseases in almonds, grapes, pome fruit and stone fruit.

Active Ingredient:	
Cyprodinil: (4-cyclopropyl-6-methyl-N-phenyl-	
pyrimidinamine) (CAS #121552-61-2)	
Other Ingredients:	25.0%
Total:	100.0%

Vangard WP is a wettable powder packaged in a water-soluble bag.

This outer protective container contains Vangard WP in an inner water-soluble bag. Entire inner bag and contents dissolve in water. After opening outer container, immediately dump entire unopened inner bag into partially filled sprayer or mix tank. Do not handle the soluble bag or expose it to moisture, since this may cause rupturing.

KEEP OUT OF REACH OF CHILDREN.

CAUTION

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See additional precautionary statements and directions for use on outer container.

EPA Reg. No. 100-813 EPA Est.

Made in Switzerland

ACCEPTED with COMMENTS In EPA Letter Dated:

SCP 813A-L1

5 ounces Net Weight OCT 2.3 2003 Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No.

100-813

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FIRST AID			
lf 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. 		
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. 		
Have the	product container or label with you when calling a poison control center or doctor, or going for treatment.		
	HOT LINE NUMBER or 24 Hour Medical Emergency Assistance (Human or Animal) or Chemical 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 swallowed or absorbed through skin. Avoid contact with skin, eyes or clothing.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

Long-sleeved shirt and long pants

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- Chemical resistant gloves made of any waterproof material
- 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.

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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.

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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 contaminate water when disposing of equipment washwater or rinsate.

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 buying or 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 should 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. 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. SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

In no event shall SYNGENTA or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. 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 Limitation of Warranty and of Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

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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:

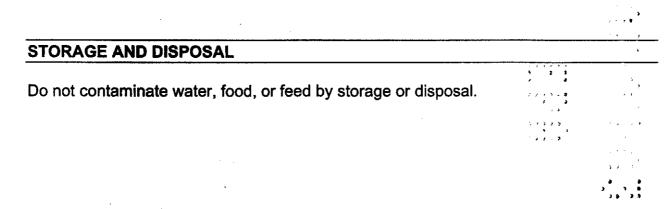
Coveralls

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

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



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Pesticide Storage

Store in a cool, dry place. Do not store this product under wet conditions. Handle outer packaging carefully to avoid breakage of inner soluble bag.

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 Disposal

Do not reuse outer container. Dispose of empty container in a sanitary landfill, by incineration, or, if allowed by state and local authorities, by burning. If burned, keep out of smoke.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-888-8372, day or night.

GENERAL INFORMATION

Vangard WP is a broad spectrum fungicide for the control of certain diseases in almonds, grapes, pome fruit, and stone fruit.

Spray Equipment

Thorough coverage is necessary to provide good disease control. Applications using sufficient water volume to provide thorough and uniform coverage generally provide the most effective disease control. For ground application equipment, a minimum of 100 gals./A is recommended.

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

Air assisted or air blast sprayers move spray droplets into the canopy using a forced air stream. The fan should be set up 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.

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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 mixture in suspension. Use a jet agitator, liquid sparge tube, or mechanical paddle for agitation. Do not air sparge.

It is suggested that screens be used to prevent nozzles from clogging. Screens placed after the tank and before the nozzles should be 50-mesh or coarser. 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.

MIXING PROCEDURES

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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. The spray solution should be buffered to a pH of 5.0-7.0 when tank mixed with Rovral® Fungicide.

Precaution: Water-soluble bags of Vangard WP must be dissolved completely and the product must be uniformly dispersed in the mix water before any other tank mix partner, including micronutrients or other liquid or dry fertilizers, are added to the spray solution. Boron, especially in the form of a micronutrient additive, such as Solubor®, etc., may prevent water-soluble bags from dissolving.

Vangard WP Alone: Add ½ of the required amount of water to the spray or mixing tank. With the agitator running, drop the required number of **unopened** soluble bags of Vangard WP into the tank **all at once**. Continue agitation while adding the remainder of the water and during application to maintain a uniform suspension until all of the spray solution has been applied. Begin application of the spray solution after the soluble bags have dissolved, and the material has completely dispersed into the mix water.

Vangard WP + Tank Mixtures: Add ½ of the required amount of water to the spray or mixing tank. With the agitator running, drop the required number of unopened soluble bags of Vangard WP, and any other products packaged in water soluble bags, into the tank all at once. After the water-soluble bags have dissolved and the products have, dispersed uniformly into the mix water, continue to fill the tank with water. Then add the desired amount of other products recommended for tank mixture. In general tank mix

a 1 6 0 3 3 3 partners should be added in this order: products packaged in water-soluble packaging, wettable powders, wettable granules (dry flowables), liquid flowables, liquids, and emulsifiable concentrates. Allow each product to fully disperse before adding any other tank mix partners. Maintain rolling agitation while adding the remainder of the water and throughout the entire mixing and spraying process to maintain a uniform suspension.

If using Vangard WP 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. No label dosage rate should be exceeded, and the most restrictive label precautions and limitations should be followed. This product should 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.

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

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Сгор	Disease	Rate oz./Acre	Application Timing	Notes
Almonds	Brown Rot Blossom Blight (<i>Monilinia</i> spp.)	Vangard WP alone: 5.0-10 (1-2 packets per acre) Vangard WP tank mixtures: 5.0 (1 packet	Begin applications at 5-10% bloom. If favorable conditions for disease persist, make additional applications at 50-100% bloom, and petal fall. Use the higher rate when disease conditions are severe. For broad spectrum control apply Vangard WP in tank mixture with the recommended rate of another fungicide	Do not apply more than 30 oz. of Vangard WF per acre per crop per season. Do not apply within 150 days of harvest.
		per acre)	registered for use on	
Pome Fruits Apples Crabapples Pears (see specific pear restrictions in notes)	Scab (<i>Venturia</i> spp.) Prebloom	Vangard WP alone: 5.0 (1 packet per acre)	almonds. For apples and crab- apples only (do not apply Vangard alone to pears). Begin application at green tip and continue on a 7-10 day interval. Under severe disease pressure use the	Do not apply more than 22 oz. of Vangard WF per acre per crop per season.
	Scab (<i>Venturia</i> spp.) Pink bloom Postbloom	Vangard WP tank mixtures:	shorter interval. For scab control (apples, crabapples, and pears) utilizing multiple modes of	Do not apply within 72 days of
		3.0 (3 packets per 5 acres)	action, apply Vangard WP in tank mixture with the recommended rate of a protectant or systemic fungicide registered on pome fruit, making applications on a 7-10 day interval.	harvest.
		Vangard WP tank mixtures: 3.0 (3 packets per 5	Apply Vangard WP in tank- mix combination with the recommended rate of a protectant fungicide. Use of the recommended rate of	
		acres)	an EBDC fungicide will 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	۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲
			disease control spectrum to include powdery mildew	2 2 . 3 2 1 9 8 5
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Сгор	Disease	Rate oz./Acre	Application Timing	Notes
Grapes	Botrytis Bunch Rot (<i>Botrytis</i> spp.)	Vangard WP alone:	Begin applications of Vangard WP at early bloom. Make an additional	Do not apply more than 20 oz. of
		10	application at berry touch,	Vangard WI
		(2 packets per acre)	verasion, or preharvest. Botrytis Bunch Rot is most	crop per
		acrey	effectively controlled by	season.
			ground application, using	
			sufficient water volume to	Do not apply
			provide thorough coverage.	within 7 days of harvest.
			Thorough coverage of	
		Vangard WP	bunches is essential. Apply Vangard in tank	
		tank mixtures:	mixture with the	
			recommended rate of	
		5.0-10	another fungicide	
		(1-2 packets per	registered on grapes for	, e
		acre)	use against Botrytis Bunch Rot.	}
Stone Fruits	Brown Rot	Vangard alone:	Begin applications at early	Do not apply
Apricots	Blossom Blight (<i>Monilinia</i> spp.)	-	bloom (apricots at red bud,	more than
Cherries		5.0	cherries at popcorn,	10 oz. of
Nectarines Peaches		(1 packet per acre)	peaches and nectarines at pink bud, plums and prunes	Vangard Wi
Plums			at green tip). Make a	per acre per season for
Prunes			second application at full	blossom
			bloom.	blight
		Vangard WP	Apply Vangard WP in tank	control.
		Tank	mixture with the	
		Mixtures:	recommended rate of another fungicide	
		5.0	registered for stone fruit.	
		(1 packet	-	
		рег асге)		
	Fruit Brown Rot (Monilinia spp.)		Apply a maximum of 2 applications of Vangard WP	Do not apply
	California only		during the preharvest	more than 20 oz. of
	California Chity	Vangard WP	period up through 2 days	Vangard WF
		alone:	prior to harvest as needed.	per acre per
				season for
		10 (2 packets		fruit brown rot control.
		per acre)		100 CONUOI.
	· · ·	Vangard WP	Apply Vangard WP in tank	Do'ngt.apply
		tank	mixture with the	withins2,
		mixtures:	recommended rate of	days of harvest.
		5.0	another fungicide registered for use on stone	1017631.
		(1 packet	fruit for fruit brown rot:	* * *
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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 feet of bodies of water such as lakes, reservoirs, rivers, permanent streams, natural ponds, marshes or estuaries.
- For all plantings within 150 feet of bodies of water as described above, spray crops from outside the planting away from the bodies of water.
- Shut off the sprayer when at 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 feet of aquatic areas as 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.

Vangard[™] and the Syngenta logo are trademarks of a Syngenta Group Company Rovral® trademark of Bayer CropScience Solubor® trademark of United States Borax and Chemical Corporation

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Syngenta Crop Protection, Inc. Greensboro, North Carolina 27409 www.syngenta-us.com

SCP 813A-L1

Product ID.

VAN WP 813A-L1 AMD DRAFT aa-6-19-03 hilite – bb – 7–3–03 VAN WP 813A-L1 AMD DRAFT aa7-03-03 hilite 000100-00813.20030718.Vangard WPFirstAidAmend.doc 000100-00813.20030718.Vangard WPFirstAidAmend.pdf