


Pm19

59639-20

1-812

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 11-30-93

(A) 	United States Environmental Protection Agency Office of Pesticide Programs (H7505C) Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number 154391
	Application for Pesticide:		

Section I

1. Company/Product Number 59639-20	2. EPA Product Manager Dennis Edwards	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) VOLCK Supreme Spray	PM# 19	
5. Name and Address of Applicant (Include ZIP Code) Valent U.S.A. Corporation 1333 North California Blvd., Ste. 600 Walnut Creek, CA 94596 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section II

<input type="checkbox"/> Amendment - Explain below	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

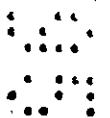

Change in the Restricted Entry Interval. Reduced to 4 hours per EPA's final policy statement on "Reduced Restricted Entry Intervals for Certain Pesticides"

See attached for certification statement and copies of studies.

Section III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____	
* Certification must be submitted.		If "Yes," Unit Package wgt.	No. per container	If "Yes," Package wgt.	No. per container
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) of Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner In Which Label Is Affixed To Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other (_____)			

Section IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)			
Name Elizabeth J. Weibert		Title Labels & Registration Specialist	
		Telephone No. (Include Area Code) (510) 256-2791	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			6. Date Application Received (Stamped) 
2. Signature 		3. Title Labels & Registration Specialist	
4. Typed Name Elizabeth J. Weibert		5. Date December 13, 1995	

4-hour
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VOLCK® Supreme Spray
(INSECTICIDE-MITICIDE)
A Superior Oil Spray

Active Ingredient	By Wt.
Petroleum Oil	97.4%
Inert Ingredients	2.6%
Petroleum Oil Min. Unsulfonated Residue - 99%	
Petroleum Oil Classification - Unclassified.	

For Western Agriculture

KEEP OUT OF REACH OF CHILDREN
CAUTION
SEE BELOW FOR ADDITIONAL
PRECAUTIONARY STATEMENTS

NET CONTENTS_____
GALLONS_____

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PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS & DOMESTIC ANIMALS
CAUTION

Harmful if absorbed through the skin. Causes eye irritation. Avoid contact with skin, eyes, or clothing. In case of contact immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists.

STATEMENT OF PRACTICAL TREATMENT

If in eyes: Flush with plenty of water. Get medical attention if irritation persists.
If on skin: Wash with plenty of soap and water. Get medical attention if irritation persists.
If swallowed: **DO NOT INDUCE VOMITING.** Contact Physician immediately. Aspiration may be a hazard.
Note to Physicians: Emergency Information - call 1-800-892-0099.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Applicators and other handlers must wear: long-sleeved shirt and long pants, and 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.

USER SAFETY REQUIREMENTS

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 product is toxic to fish. 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 washwaters. Apply this product only as specified on the label.

PHYSICAL OR CHEMICAL HAZARDS

Do not weld, heat or drill this container. Residues may ignite with explosive violence if heated sufficiently.

DIRECTIONS FOR USE

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

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

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 4 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, waterproof gloves, and shoes plus socks.

DIRECTIONS

VOLCK Supreme Spray is an especially refined Phytonomic Oil Contact Insecticide. It is for use on plants in foliage or the dormant stage.

When using this product in combination with other pesticides as directed on this label, observe appropriate cautions, limitations for the product involved.

For foliage applications, the spray tank must be free of any sulfur residue before using VOLCK Supreme Spray. Do not combine sulfur sprays with VOLCK Supreme Spray on foliage and do not follow a previous application of sulfur or apply sulfur following VOLCK Supreme Spray until sufficient time has elapsed for safety (at least 30 days). If in doubt, spray a portion of

one tree previously treated with sulfur, using 1 qt. to 25 gals. water. If sufficient time has not elapsed, burn will show in several days. Do not use VOLCK Supreme Spray when temperatures are above 90° Fahrenheit. When temperatures drop below 32° F. (usually nighttime lows), do not spray tree and vine crops until daytime temperatures have warmed to a point above 35° F. and are free from moisture due to melting frost or heavy dews. Do not use on foliage closer than 60 days after or 90 days before using captan or folpet products.

Application to trees weakened by disease, drought, drying winds, or high nitrogen applications may result in oil injury.

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

AIR APPLICATION

Apply quantity of product shown for each listed crop for control of listed insects in sufficient water to make a minimum of 20 gals. dilute spray per acre by air application. Follow timing shown for each crop as shown on container label. **Use only as emergency application when soil conditions do not permit regular ground application.**

NOTE: Do not apply VOLCK Supreme concentrate to Queen Ann variety or other oil sensitive varieties as phytotoxicity to buds and new wood will result.

GENERAL NOTES: Observe on all crops and uses - oil effectiveness in dormant and delayed dormant applications is determined by thoroughness of coverage. Concentrate applications may reduce coverage and effectiveness. Oil applications made to trees that are weak or suffering from moisture stress or when slow drying of spray occurs may cause bud, twig or leaf injury.

Phytotoxicity studies have not been made on all fruit varieties, or in all growing areas in California for concentrate applications. Concentrate spraying is a more exacting technique of spray application than dilute. Concentrate spray equipment must be properly calibrated and operated to obtain desired results.

MIXING DIRECTIONS

Check this product for proper emulsification by mixing a small quantity of it with water in a small container before filling the entire spray tank. Correct emulsification is indicated when a uniform mixture, with a blue color, results on shaking. If this mixture is not a milky emulsion after shaking, do not use the remaining product. With agitator running, start filling spray tank with water. When combining with wettable powder insecticide or fungicide products, add these first when tank is 1/3 filled. Add VOLCK Supreme Spray when tank is about 1/2 full and while there is sufficient agitation of the spray to ensure complete emulsification.

Do not apply under conditions involving possible drift to food, forage or other plantings that might be damaged or the crops thereof unfit for sale, use or consumption.

NOTE: Multiple concentrate applications may cause wood injury. Double applications can occur on the ends of the row during turning - turn off sprayer to avoid multiple applications. Equipment must be capable of giving thorough coverage for maximum insecticidal effectiveness. If San Jose Scale is a moderate to severe problem, use dilute application. Concentrate applications may delay bud development. The following conditions may cause oil injury; cool, damp, or extremely dry weather; broken emulsions and/or faulty application. Follow state recommendations and cautions.

FOLIAR APPLICATIONS - DILUTE SPRAYS

CROP	PESTS	VOLCK PER 100 GALS. WATER	FURTHER USE INSTRUCTIONS
ALMONDS APRICOTS CHERRIES NECTARINES PEACHES PLUMS PRUNES	Brown Apricot Scale San Jose Scale	1 gal.	For summer stages of Brown Apricot and San Jose Scale.
	Red Spider Mites	3 to 4 qts.	For summer use on Red Spider Mites.
APPLES	Rust Mites	1 to 1 1/2 gals.	For summer use.
APPLES PEARS	Red Spider Mites	3 to 4 qts.	For summer use.
	San Jose Scale Italian Pear Scale	1 to 1 1/2 gals.	Apply VOLCK Supreme Spray to summer forms of San Jose and Italian Pear Scale.
GRAPES	Mealybug	See NOTE	For (Post Harvest), fall spray use only. NOTE: Use 4 to 6 gals. in 200 to 300 gals. of water per acre.
GRAPEFRUIT LEMONS	Black Scale Purple Scale Red Scale Yellow Scale Red Spider Mites	1 to 1 1/4 gals.	For best results, apply VOLCK Supreme Spray during winter and spring months when Red Scale are more easily controlled and trees generally are less reactive to oil sprays. Do not use within 8 weeks of harvest on lemons.
NAVEL ORANGES	Black Scale Purple Scale Red Scale Yellow Scale Red Spider Mites	3 qts.	Do not use on Navel oranges after September 1.
OLIVES	Black Scale Oleander Scale Olive Scale (Parlatoria Scale) Spider Mites	1 1/2 gals.	Apply VOLCK Supreme Spray in the pre-bloom or in postbloom up to buckshot growth stage.
OLIVES (CALIFORNIA ONLY)	Black Scale	1 to 1 1/2 gals.	Apply 400 to 800 gals. dilute spray per acre. Make applications between July 1 and August 31. Higher concentrations of VOLCK Supreme Spray than noted above may cause phytotoxicity.

FOLIAR APPLICATIONS - DILUTE SPRAYS (Continued)

CROP	PESTS	VOLCK PER 100 GALS. WATER	FURTHER INSTRUCTIONS
PEARS	Pear Psylla	1 to 1 1/2 gals.	For summer use.
	Blister Mite	1 to 1 1/2 gals.	For fall spray use only.
VALENCIA ORANGES	Black Scale Purple Scale Red Scale Yellow Scale Red Spider Mites	1 gal.	Do not apply to Valencia oranges after September 1.
WALNUTS	European Fruit Scale Frosted Scale (summer stages) San Jose Scale Soft Shelled Scales Red Spider Mites	2 to 4 qts.	Apply VOLCK Supreme Spray during the late spring to mid-summer only. Do not apply after husk split.
ORNAMENTALS and SHADE TREES	Black Scale Brown Apricot Scale Oyster Shell Scale San Jose Scale Soft Brown Scale Red Spider Mites and Eggs	1 gal.	NOTE: Conifer applications to blue spruce may cause discoloration. Do not use on conifers or ferns not tolerant to oil sprays.
CONIFERS (see NOTE)			
HOLLY			
PYRACANTHA			
SYCAMORES			
HAWTHORNE			
FLOWERING PEACH			
FLOWERING CHERRY			
APPLE			
MAGNOLIA			
MAPLE			
DOGWOOD			
OAK			
PRIVET			
BIRCH			

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FOLIAR APPLICATIONS - CONCENTRATE SPRAYS

CROP	PESTS	VOLCK PER ACRE	FURTHER USE INSTRUCTIONS
ALMONDS	Brown Mite European Red Mite Two-Spotted Spider Mite	4 to 6 gals.	For summer use with concentrate sprayers. Apply VOLCK Supreme Spray in 60 to 150 gals. water per acre. Do not apply to trees lacking adequate moisture.
GRAPEFRUIT LEMONS VALENCIA ORANGES	Citrus Red Mites	5 to 15 gals.	Apply VOLCK Supreme Spray as concentrate spray application (mist sprayer) in 50 to 100 gals. water per acre. Apply to Valencia oranges only during the period from mid-July through August. Do not apply to lemons within 60 days of harvest. Concentrate spray applications require that the spray droplets be discharged into an air stream pattern of high velocity (above 100 mph) and with sufficient volume to carry the spray through the tree. Ground speed should not exceed 1 1/2 mph. Observe all label notes, relative to the use of spray oils on citrus. Use only equipment capable of applying concentrate sprays.
PEARS (CALIFORNIA ONLY)	Red Spider Mites	4 to 6 gals.	For summer use with concentrate sprayers. Apply VOLCK Supreme Spray in 90 to 120 gals. water per acre.

DORMANT OR DELAYED DORMANT - DILUTE SPRAYS

CROP	PESTS	VOLCK PER 100 GALS. WATER	FURTHER USE INSTRUCTIONS
ALMONDS APRICOTS CHERRIES NECTARINES PEACHES PLUMS PRUNES (see NOTE)	Brown Apricot Scale Black Scale San Jose Scale Olive Scale (Parlatoria Scale) Clematis Scale Frosted Scale Italian Pear Scale European Fruit Lecanium Putnam Scale Soft Brown Scale Certain other Scale Insects Eggs of Aphids Red Spider Mites	1 1/2 to 2 gals.	For dormant or delayed dormant use only. NOTE: For plums and prunes, spray only during the delayed dormant period. Oil sensitive varieties (such as, but not limited to Moyer or Queen Ann) may develop dead limbs or scaffolds, which will reduce yield.
APPLES	Rust Mites	1 1/2 to 2 gals.	For delayed dormant use only.
APPLES PEARS	San Jose Scale Italian Pear Scale Eggs of Aphids Red Spider Mites	1 1/2 to 2 gals.	For dormant or delayed dormant use only.
FIGS	Fig Scale	3 gals.	For dormant or delayed dormant use only.
GRAPES	Mealybug	See NOTE	For dormant use only. NOTE: Use 4 to 6 gals. in 200 to 300 gals. of water per acre.
PEARS	Pear Psylla	1 to 1 1/2 gals.	For delayed dormant use only.
	Blister Mite	1 to 1 1/2 gals.	For delayed dormant use only.

DORMANT OR DELAYED DORMANT - CONCENTRATE SPRAYS

CROP	PESTS	VOLCK PER ACRE	FURTHER USE INSTRUCTIONS
ALMONDS APRICOTS CHERRIES NECTARINES PEACHES (see NOTE)	Brown Apricot Scale Olive Scale (Parlatoria Scale) San Jose Scale Walnut Scale Mite Eggs Peach Twig Borer	4 to 6 gals.	For dormant or delayed dormant use only. Apply VOLCK Supreme Spray in 40 to 125 gals. of water per acre. NOTE: Do not apply to oil sensitive varieties as phytotoxicity to buds and new wood may result.
APPLES PEARS (EXCEPT CALIFORNIA)	San Jose Scale Italian Pear Scale Eggs of Aphids Eggs of European Red Mites	3 gals.	For dormant or delayed dormant use only. For VOLCK Supreme applications in 25 to 50 gals. of water per acre.
		4 gals.	For dormant or delayed dormant use only. For VOLCK Supreme applications in 50 to 100 gals. of water per acre.
		5 gals.	For dormant or delayed dormant use only. For VOLCK Supreme applications in 100 or more gals. of water per acre.
APPLES PEARS (see NOTE)	Eggs of European Red Mites Pear Psylla San Jose Scale	4 to 6 gals.	For dormant or delayed dormant use only. Apply VOLCK Supreme Spray in 40 to 125 gals. of water per acre. NOTE: Do not apply to oil sensitive varieties as phytotoxicity to buds and new wood may result.
PEARS (WASHINGTON ONLY)	Pear Psylla	3 to 4 gals. By Air	For dormant use only. Apply by air in sufficient water to make a minimum of 10 gals. of dilute spray per acre.
PLUMS PRUNES (see NOTE)	Black Scale Brown Apricot Scale Olive Scale (Parlatoria Scale) San Jose Scale Brown Mite Eggs Eggs of European Red Mites Mealy Plum Aphid Eggs Plum Aphid Eggs	3 to 5 gals.	Apply VOLCK Supreme Spray in 40 to 125 gals. of water per acre. NOTE: For plums and prunes, spray only during the delayed dormant period. Oil sensitive varieties (such as, but not limited to Moyer or Queen Ann) may develop dead limbs or scaffolds, which will reduce yield.

DORMANT - DILUTE SPRAYS

CROP	PESTS	VOLCK PER 100 GALS. WATER	FURTHER USE INSTRUCTIONS
ORNAMENTALS and SHADE TREES <hr/> CONIFERS (see N° 1) HOLLY PYRACANTHA SYCAMORES HAWTHORNE	Black Scale Brown Apricot Scale Oyster Shell Scale San Jose Scale Soft Brown Scale Red Spider Mites and Eggs	2 gals.	For dormant sprays on deciduous varieties.
FLOWERING PEACH FLOWERING CHERRY APPLE MAGNOLIA MAPLE DOGWOOD OAK PRIVET BIRCH		1 gal.	For dormant sprays on other varieties. NOTE: Conifer application to blue spruce may cause discoloration. Do not use on conifers or ferns not tolerant to oil sprays.

SEED CROP USES

CROP	PESTS	VOLCK PER ACRE	FURTHER USE INSTRUCTIONS
ALFALFA (SEED ALFALFA ONLY)	Spider Mites	1 qt.	For use on seed alfalfa only. Apply in 20 to 30 gals. of water by ground application or 10 to 15 gals. of water by air with recommended rates of Kelthane® EC.

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STORAGE AND DISPOSAL

PROHIBITIONS

Do not contaminate water, food, or feed by storage, disposal or cleaning of equipment.
Open dumping is prohibited.

STORAGE

Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Protect from water contamination during storage and transfer. Contamination with water may make this product unfit for its intended use. Always check emulsification (see MIXING DIRECTIONS) before use. For help with any spill, leak, fire or exposure involving this material, call day or night 1-800-892-0099.

PESTICIDE DISPOSAL

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL

Triple rinse (or equivalent). Offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

IMPORTANT INFORMATION. READ BEFORE USING PRODUCT.

LIMITED WARRANTY: 1. Valent U.S.A. Corporation warrants that this product conforms to the chemical description on the label and is reasonably fit for use under average conditions when used strictly in accordance with the directions on the labeling. Valent does not make nor authorizes any agent or representative to make, any other warranty, guarantee or representation, express or implied, concerning this product. Specifically, NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE IS MADE.

2. Critical and unforeseeable factors beyond Valent's control prevent it from eliminating all risks in connection with the use of this product. Such risks include, but are not limited to, damage to plants and crops to which product is applied, lack of complete control over the handling and application of this product, and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit under average conditions for the uses stated on the labeling and even though label directions are followed. Buyer and user acknowledge and assume all risks and liability (except those assumed by Valent under 1 above) resulting from handling storage, and use of the product.

3. Precautions stated on the labeling should be followed to avoid hazardous exposure to the product.

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VOLCK® Reg. TM of Monsanto Company.

KELTHANE® - Reg. TM of Rohm & Haas Company.

Manufactured for

Valent U.S.A. Corporation

Walnut Creek CA 94596-8025

R12100C0.0940729 Made in U.S.A.

EPA Reg. No. 59639-20 EPA Est. _____

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Specifically, NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE IS MADE.

2. Critical and unforeseeable factors beyond Valent's control prevent it from eliminating all risks in connection with the use of this product. Such risks include, but are not limited to, damage to plants and crops to which product is applied, lack of complete control over the handling and application of this product, and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit under average conditions for the uses stated on the labeling and even though label directions are followed. Buyer and user acknowledge and assume all risks and liability (except those assumed by Valent under 1 above) resulting from handling storage, and use of the product.

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