



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460**

14 1994

**Mark Herbst  
VALENT U.S.A. CORP.  
1333 N. California Blvd. Box 8025  
Walnut Creek, CA 94596**

**OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES**

**Subject: Label Amendment Submission of 07/13/93 in Response to PR Notice 93-7  
EPA REG NO. 59639-20  
VOLCK SUPREME SPRAY**

**Dear Registrant:**

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

**WHAT THIS ACCEPTANCE MEANS:**

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

**WHAT YOU NEED TO DO NEXT:**

**Send to EPA one (1) copy of the final printed labeling:**

- **BEFORE** selling or distributing any product bearing the final printed labeling
- AND**
- **WITHIN** one year from date of this acceptance.



**Recycled/Recyclable**  
Printed with Soy-Canola Ink on paper that  
contains at least 50% recycled fiber

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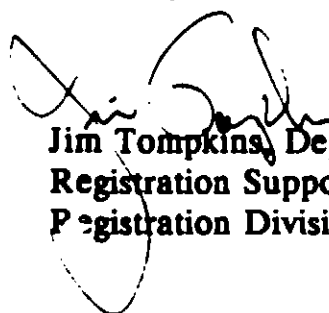
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs (7505C)  
U.S. Environmental Protection Agency  
401 M Street, SW  
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs  
Room 266A, Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief  
Registration Support Branch  
Registration Division (7505W)

Attachment



**VOLCK • Supreme Spray  
(INSECTICIDE-MITICIDE)  
A Superior Oil Spray**

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated**

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

59639-20

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

**KEEP OUT OF REACH OF CHILDREN  
CAUTION  
SEE SIDE PANEL FOR ADDITIONAL  
PRECAUTIONARY STATEMENTS**

**NET CONTENTS\_\_\_  
GALLONS\_\_\_\_\_**

**Manufactured for**

**Valent U.S.A. Corporation**

**Walnut Creek CA 94596-8025**

**R Form 286-F Made in U.S.A.**

**EPA Reg. No. 59639-20-AA**

**EPA Est. 238-CA-1**

**PRECAUTIONARY STATEMENTS****HAZARDS TO HUMANS & DOMESTIC ANIMALS****CAUTION**

Keep out of reach of children.

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**

When this product is combined with parathion emulsive (4 lbs.per gal.) or Malathion, it 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.

**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 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, waterproof gloves, and shoes plus socks.

### **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 or Chemtrec 1-800-424-9300.

#### **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.

**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 Western Agriculture**

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.

**AMOUNTS GIVEN ARE FOR 100 GALLONS OF DILUTED SPRAY.**

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

**ALFALFA (Seed Crop Only) Spider Mites:** Use 1 qt. per acre in 20 to 30 gals. of water by ground application or 10 to 15 gals. by air with recommended rates of **KELTHANE® EC**.

**ALMONDS: Summer Use: Clover (Brown Almond Mite, European Red Mite and Two-Spotted Mite - Concentrate Sprayers -** Use 4 to 6 gals. **VOLCK Supreme Spray** in 60 to 150 gals. water per acre. Do not apply to trees lacking adequate moisture.

**ALMONDS, APRICOTS, CHERRIES, NECTARINES, PEACHES, PLUMS, PRUNES - Dormant or Delayed Dormant:** Brown Apricot Scale, Black Scale, San Jose Scale, Olive Scale (Parlatoria Scale), Oleander Scale, Frosted Scale, Italian Pear Scale, European Fruit Lecanium, Putnam Scale, Parlatoria, Soft Brown Scale, Certain Other Scale Insects, Eggs of Aphids, Red Spider Mites - 1 1/2 to 2 gals. Summer Use - Red Spider Mites - 3 to 4 qts., Summer Stages of Brown Apricot Scale, San Jose Scale - 1 gal. **APPLES: Rust Mite - Delayed Dormant -** 1 1/2 to 2 gals. Summer Use - 1 to 1 1/2 gals.

**APPLES, PEARS: Dormant or Delayed Dormant (Except California):** San Jose Scale, Italian Pear Scale, Eggs of Aphids or European Red Mites - Concentrate Sprayers only - For Application of 100 Gals., or More Dilute Spray Per Acre - Use 5 gals. **VOLCK Supreme Spray** per acre. For Applications of 50 to 100 Gals., Dilute Spray Per Acre - Use 4 gals. **VOLCK Supreme Spray** per acre. For Applications of 25 to 50 Gals., Dilute Spray Per Acre - Use 3 gals. of **VOLCK Supreme Spray** per acre.

**CAUTION:** Multiple concentrate applications may cause wood injury. Double application 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 oil 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.

**APPLES, PEARS:** Dormant or Delayed Dormant: San Jose Scale, Italian Scale, Eggs of Aphids, Red Spider Mites - 1 1/2 to 2 gals. Summer Use: Red Spider Mites - 3 to 4 qts. (Concentrated Sprayers - Pears (Calif. only) - 4 to 6 gals. in 120 gals. of water per acre). Summer Forms of San Jose and Italian Pear Scale to 1 1/2 gals.

**FIGS:** Fig Scale - Dormant or Delayed Dormant - Use 3 gals. VOLCK Supreme Spray.

**GRAPES:** Mealybug - Dormant - Use 4 to 6 gals. in 200 to 300 gals. of water per acre.

**GRAPEFRUIT, LEMONS, VALENCIA ORANGES:** Citrus Red Mite - Concentrate Spray Applications (mist sprayer) - Use 5 to 15 gals. 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 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 cautions, relative to the use of spray oil on citrus. Use only equipment capable of applying concentrate sprays.

**LEMONS, GRAPEFRUIT:** Red Scale, Yellow Scale, Purple Scale, Black Scale, Spider Mites - 1 to 1 1/4 gals. VOLCK Supreme Spray. For best results, spray during winter and spring months when Red Scale are more easily controlled and trees generally less reactive to oil sprays. Do not use within 8 weeks of harvest on Lemons.

**OLIVES:** Parlatoria Scale, Spider Mites, Oleander Scale, Black Scale - Use 4 gals. VOLCK Supreme Spray. Apply in the prebloom or in postbloom up to bud break. Black scale (California only) - Use 1 to 1 1/2 gal. per 100 gals. of water. Apply 400 to 800 gals. dilute spray per acre. Make applications between July 1 and 31. Higher concentrations of VOLCK Supreme Spray than noted above may cause phytotoxicity.

**NAVEL ORANGES:** Red Scale, Black Scale, Yellow Scale, Purple Scale, Red Spider Mites - 3 qts. VOLCK Supreme Spray. Do not use on Navel Oranges after Sept. 1.

**VALENCIA ORANGES:** Red Scale, Black Scale, Yellow Scale, Purple Scale, Spider Mites - 1 gal. applying not later than Sept. 1.

**PEARS: Pear Psylla - Delayed Dormant:** 2 gals. **Summer Use:** 1 to 1 1/2 gals. **Air Application - Dormant (Washington Only):** Apply 3 to 4 gals. VOLCK Supreme Spray in sufficient water to make a minimum of 10 gals. of dilute spray per acre. **Blister Mite - Delayed Dormant and Fall Spray -** 2 gals.

**ORNAMENTALS and SHADE TREES (Conifers (see Note), Holly, Pyracantha, Sycamores, Hawthorne, Flowering Peach, Flowering Cherry, Apple, Magnolia, Maple, Dogwood, Oak, Privet, Birch):** Soft Brown Scale, Oyster Shell Scale, Brown Apricot Scale, Black Scale, San Jose Scale, Red Spider Mites and Eggs - 1 gal. to 100 gals. water. **Dormant Spray on Deciduous Varieties -** 2 gals. per 100 gals. water. **Dormant Spray on Other Varieties -** 1 gal. per 100 gals. water. **NOTE:** May cause discoloration of blue spruce. Do not use on conifers or ferns not tolerant to oil sprays.

**WALNUTS: Late Spring to Mid-Summer Only: Summer Stages of Frosted Scale, European Fruit Scale, San Jose and other Soft-Shelled Scale, Red Spider Mites -** 2 to 4 qts. Do not apply after husk split.

CONCENTRATE APPLICATION				
Crop	Growth Stage	Gals. Form. Per Acre	Gals. Spray Per Acre	Insects
Pears	Dormant & Delayed Dormant	4 - 6	40 - 125	San Jose Scale, Pear Psylla European Red Mite Eggs
Almonds, Apricots Cherries, Peaches & Nectarines	Dormant & Delayed Dormant	4 - 6	40 - 125	San Jose Scale, Brown Apricot Scale, Walnut Scale, Parlatoria Scale, Peach Twig Borer, Mite Eggs
Prunes & Plums	Dormant & Delayed Dormant	3 - 5	40 - 125	Parlatoria (Olive) Scale, San Jose Scale, European Red Mite Eggs, Brown Mite Eggs, Brown Apricot Scale, Black Scale, Mealy Plum Aphid Eggs, Plum Aphid Eggs

#### 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.**

**CAUTION:** 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 CAUTIONS:** Observe on all above 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 rendered unfit for sale, use or consumption.

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