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U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:  
6218-71

Date of Issuance:  
**SEP 21 1995**

Term of Issuance: **Until Reregistration**

Name of Pesticide Product:  
**Summit Horticultural Spray Oil**

NOTICE OF PESTICIDE:  
  X   Registration  
       Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

**Summit Chemical Company  
7657 Canton Center Drive  
Baltimore, Maryland 21224-2079**

Notes: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the following label changes:
  - a. Revise the EPA Registration Number to read, "EPA Reg. No. 6218-71."
  - b. In TABLE 1B delete "Bugs (immature);" in TABLE 2 delete "Bugs (immature)" and "Certain Caterpillars;" in TABLE 4 delete "Certain Caterpillars;" and, in TABLE 5 delete "Bugs." (These designations are considered too general. You may in the future propose the addition of specific bugs or caterpillars.)

Signature of Approving Official:

*DHE*

Dennis H. Edwards, Jr.  
Product Manager (19)  
Insecticide-Rodenticide Branch  
Registration Division (7505C)

Date:

**SEP 21 1995**

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3. Submit two copies of the revised final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,

DHE

Dennis H. Edwards, Jr.  
Product Manager (19)  
Insecticide-Rodenticide Branch  
Registration Division (7505C)

Enclosure

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SUMMIT  
HORTICULTURAL  
SPRAY OIL

A superior horticultural  
spray oil for insect and mite  
pest management.

CAUTION:  
KEEP OUT OF REACH  
OF CHILDREN

Additional precautionary statements  
in this booklet.

EPA Registration No. 6218-  
EPA Establishment No. 6218-MD

SUMMIT CHEMICAL CO.

7657 Canton Center Drive

Baltimore, MD 21224-2079.

ACCEPTED  
with COMMENTS  
in EPA Letter dated

SEP 21 1995

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

6218-71

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# SUMMIT HORTICULTURAL SPRAY OIL

**ACTIVE INGREDIENT By Wt.**

Paraffinic Oil 98.8%

**INERT INGREDIENT**

Emulsifier 1.2%

**\*Unsulfonated Residue of Paraffinic Oil**

92.0% Min.

**CAUTION: KEEP OUT OF REACH OF CHILDREN**

**PRECAUTIONARY STATEMENTS**

Hazards to humans and domestic animals. Avoid contact with eyes, skin and clothing. Additional precautionary statement contained in this booklet.

Harmful if swallowed.

Avoid breathing of spray mists or vapors

Wash hands after using.

Avoid contamination of feed or foodstuffs.

**STATEMENT OF PRACTICAL TREATMENT**

If swallowed: Do not induce vomiting. Call a physician immediately.

If on skin: Wash with soap and water.

If in eyes: Flush with water.

If inhaled: Remove victim to fresh air. If not breathing give artificial respiration. Get medical attention.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters. Apply this product only as specified on this label.

EPA Registration No. 6218-

EPA Establishment No. 6218-MD

SUMMIT CHEMICAL CO.

7657 Canton Center Drive

Baltimore, MD 21224-2079

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6218-71

**STORGE AND DISPOSAL**

**Prohibitions:** Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

**Storage:** Keep oil container tightly closed in storage to prevent the entry of water or other contaminants. Store in a cool, dry locked area out of the reach of children. Do not store this product in direct sunlight for prolonged periods of time. This product should be stored in its original container only.

**Pesticide Disposal:** securely wrap the original container in several layers of newspaper and discard in the trash.

**Container Disposal:** Do not reuse container (bottle, can, jar). Rinse thoroughly before discarding in the trash.

**USE PRECAUTIONS**

Do not spray plants suffering from drought (moisture stress). Do not apply during periods of prolonged high temperature combined with high relative humidity. Do not use this insecticide with dimethoate, herbicides or fungicides such as Captan, Folpet, Dyrone, Karathene, Morestan or any product containing sulfur. Do not use with Sevin 50W formulation (carbaryl) on deciduous fruit trees. Keep spray equipment used for these other products separate from the equipment used for this insecticide or make sure the sprayer is thoroughly cleaned so that no residue from these other products remain.

**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 through any type of irrigation system.

**MIXING DIRECTIONS**

Make sure the spray equipment to be used is clean, dry and odorfree.

1. Fill the spray tank or bottle 3/4 full with water.
2. SHAKE THE CONTAINER OF HORTICULTURAL SPRAY OIL VIGOROUSLY PRIOR TO MEASURING OUT THE DESIRED AMOUNT.  
Add the appropriate amount of the insecticide to the water and shake.
3. Fill the remaining 1/4 of the spray tank or bottle with water and shake again. The solution should look milky. If it doesn't, do not use it.
4. During application shake the solution frequently. Do not apply to plants if the solution has been sitting for more than 10 minutes without shaking it before resuming application.
5. Do not premix this insecticide to water. Mix just enough for the immediate use.
6. 2 tablespoons - 1 fluid ounce.  
4 tablespoons - 1/4 cup - 2 fluid ounces.

**APPLICATION INSTRUCTIONS**

The target pest and plant should be completely covered with the spray solution to be effective. Do not exceed the maximum rates or apply more often than recommended. May be used up to day of harvest.

Note: THIS PESTICIDE IS TO BE SOLD ONLY IN THIS ORIGINAL UNBROKEN CONTAINER.

**LIMITED WARRANTY AND LIABILITY**

This product conforms to the description and is suitable for the uses set forth on this label but is strictly limited to these uses solely as directed under the specified label condition, and only if purchased in the original unopened container. SELLER DISCLAIMS ANY AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THOSE RELATING TO MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE. Buyer and all users shall assume all risk, liability and damage if this product is used, stored, handled or applied other than as specifically set forth on this label. SELLER'S LIABILITY AND BUYER'S OR USER'S REMEDIES SHALL BE LIMITED TO REFUND OF THE PURCHASE PRICE OR REPLACEMENT OF THE SPECIFIC QUANTITY INVOLVED. IN NO EVENT SHALL SELLER BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

TABLE 1A

CROPS	PEST	APPLICATION RATE	TIME OF APPLICATION
		Tablespoons per 1 Gallon Water	(stage of development)
Apples	Aphids (eggs)	5.0	Dormant or delayed dormant to 1/2" green
	Bugs (immature) including Apple Red Bug	5.0	
	Mites (eggs) including European Red mite	5.0	
	Scales (hard, soft)	5.0	
	Sourly Scale	7.5	
	Fruit Tree Leaf Roller (eggs)	7.5	
	Mites	2.5	
Pears	European Red Mite (eggs)	2.5-5.0	Dormant or delayed dormant (up to end including petal fall)
	Pear Leaf Blister Mite (eggs)	7.5	
	Pear Psylls	5.0	
	Scales	5.0	
	Fruit tree Leaf Roller (eggs)	7.5	
	Two-spotted Spider Mite	2.5	Summer (foliar or cover) or post harvest
	Brown Mite	2.5	
	Pear Rust Mite	2.5-5.0	
	Pear Leaf Blister Mit	4.0-5.0	
	Pear Psylls	4.0-5.0	

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TABLE 1B

CROP	PEST	APPLICATION RATE:	TIME OF APPLICATION
		Tablespoon per 1 Gallon Water	(STAGE OF DEVELOPMENT)
Almond Apricot Cherry	Aphids (eggs) Bugs (immature) Tent Caterpillars Fruit Tree Leaf Roller (eggs) San Jose Scale	5.0-7.5    5.0	Dormant or delayed dormant
	Mites and Scales	2.5-4.0	Summer (foliar or cover) or post harvest  -Application should not be made over oil sensitive varieties. -Do not apply to trees lacking adequate moisture.
Peach Nectarine	Aphids (eggs) Bugs (immature) Fruit trees leaf Roller (eggs) Mites (eggs) Peach Twig Borer (thibarnacules) Cottony Peach Scale San Jose Scale	7.5      5.0 5.0	Dormant or delayed dormant
	Mites	2.5-5.0	Summer (foliar or cover) or post harvest
Plum Prune	Aphids (eggs) Scales Mites (eggs)	4.0-5.0	Dormant or delayed dormant to 1/2" green tip
	Mites	2.5-4.0	Summer (foliar or cover) or post harvest  -Do not apply over certain fresh market fruits after bloom starts to form as the oil spray will remove the waxy bloom. -Applications should not be made over oil sensitive varieties.
Pecan	Aphids (eggs) Scales Mites (eggs)	7.5	Dormant
	Aphids Mites	2.5-4.0	Summer (foliar or cover) or post harvest

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TABLE 1C

CROP	PEST	APPLICATION RATE	COMMENTS
Lemon and Grapefruit	Mites and Scales including California Red Scale	2.5-4.0	For best results, spray during fall, early winter and spring months when Red Scale are more easily controlled and trees are generally less reactive to oil. For all citrus oil sprays, ensure adequate soil moisture; leaves should not wilt before noon.
Naval and Valencia Orange, Other Citrus Varieties including non-Bearing	Mites including Rust Mite and Spider Mite Scales including California Red Scale Whitefly and Blackfly Sooty Mold	2.5-4.0	Oils applied after Oct. may increase cold damage to trees. Oils applied in Aug. and Sept. may affect solids content and retard coloring. The improve performance against scales.



**TABLE 2  
SHADE TREES, SHRUBS, ORNAMENTALS, FLOWER  
& FOLIAGE PLACETS, CONIFERS**

CROP OR PLANT	PEST	APPLICATION RATE: Tablespoons per (APPLICATION) 1 Gallon Water	TIME OF
Shade Trees* and Shrubs including Conifers, Deciduous greens and Woody Ornamentals	Aphids Adelgids Bugs (immature) Certain Caterpillars Eriophyid Mite	2.5-7.5	Winter dormant period as needed Summer (foliar or cover) as needed
Ornamental Trees* and Shrubs along City Streets and other Rights-of-Way including Conifers, Deciduous and Broadleaf Evergreens	Gall Mite Lace Bug Leaf Beetle Larvae Leaf Miner Mealybug Psyllid (immature) Sawfly (larvae)	5.0-7.5	Winter dormant period as needed
Flowering & Foliage Plants including Roses and other Flowering shrubs Foliage Ornamentals and Bedding Plants	Scales (immature) Spider Mites Whiteflies (immature)	2.5-5	Summer (foliar or cover) as needed

\* Oil removes the glaucous (blue) bloom from such evergreens as Colorado Blue Spruce and Koster Spruce. Always use lower dosage or test spray oil sensitive plants such as Cryptomeria, Smoke Tree, Chamaecyparis, Juniper, Japanese Holly and Spruce. Tendency toward sensitivity: Red Cedar and Douglas Fir. Do not spray walnut foliage.

Caution: Spray no more than 4 times during the growing season; two week minimum application interval. Do not spray when buds have fully opened and shoot elongation is occurring. Do not spray when there is obvious moisture deficit in leaves, or the plant is under stress. Fall dormant treatments are not recommended. Keep away from open blooms - bleaching and spotting has been observed with the open blooms of certain plants.

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TABLE 3  
SMALL FRUITS

CROP	PEST	APPLICATION RATE Tablespoon per 1 Gallon Water	TIME OF APPLICATION
Strawberry	Aphids Mites	2.5	Dormant and (foliage)
Grape	Mealybugs	10-15 in 2-3 Gal. of Water	Dormant-A tank mix with an insecticide improves control.

TABLE 4  
VEGETABLES

CROP	PEST	APPLICATION RATE Tablespoon per 1 Gallon Water	TIME OF APPLICATION
Beans	Aphids	2.5-5.0	As needed
Corn	Mites		
Pepper	Beetle larvae		
Squash	Leafminers		
Tomato	Caterpillars		
	Thrips		
	Leafhopper		
	Witelly		

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TABLE 5  
HOBBY GREENHOUSE

CROP OR PLANT	APPLICAT.ON RATE:		SPECIFIC COMMENTS
	PEST	Tablespoons per 1 Gallon Water	
Azalea	Aphids	2.5-5.0	Do not use on Coconut Palms or Maidenhair Ferns  Chrysanthemum and Geranium Blooms have shown phytotoxic symptoms at the 5 tablespoon rate.  *Although no problems with phytotoxicity have been seen at recommended rates, we recommend that the applicator conduct a phytotoxicity test on 1 or 2 of the specific plants that are to be treated.
Begonia	Fungus Gnats	2.5-5.0	
Camellia	Bugs	2.5-5.0	
Chrysanthemum	Leafminers	2.5-5.0	
Oleffenbacfis	Mealybugs	2.5-5.0	
Easter Lily	Scales	2.5	
Fern	(soft & hard)	2.5-5.0	
Gardenia	Spider Mites	2.5-5.0	
Geranium	Thrips	2.5-5.0	
Hibiscus Foliage	Whitefly	2.5-5.0	
Jade Plant	(immature)	2.5-5.0	
New Guinea Impatiens			
Palms			
Philodendron		2.5-5.0	
Poinsetta		2.5-5.0	
Portulaca		2.5	
Reiger Begonia		2.5-5.0	
Zinnias		2.5-5.0	
Leaf Polish for Hardy Plants		2.5	

FREQUENCY OF APPLICATION: For the greenhouse pests listed, use once a week initially, then as the pest is controlled decrease the frequency to 2-3 weeks as needed.

Application safety during bloom period should be determined for each individual species of plant to be treated by conducting a small test.

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INTERIORSCAPES\*

PLANT	PEST	APPLICATION RATE*	COMMENTS
		Tablespoon per 1 Gallon Water	
Chrysanthemum	Aphids	2.5-5.0	Do not apply to plants in direct sunlight glass. Do not use on Coconut Palms and maidenhair Ferns. Chrysanthemum blooms have shown phytotoxic symptoms at the higher rate. Applicator should conduct a test for phytotoxicity by treating a few specimens before making a large-scale application.
Dieffenbachia	Leafminers		
Dracaena	Mealybugs		
Fern	Scales		
Ficus	Spider Mite		
Gardenia	Whitefly		
Jade Plant	(immature)		
Palm			
Philodendron			
Scheffera			

\*Protect floor, floor coverings and furnishings from overspray.

MISCELLANEOUS:

Figs: Dormant or delayed dormant Fig Scale - Use 7.5 tbs. in 1 gal. water as a foliar spray, Mites,  
Mealybug, Scale - Use 5 tbs. per 1 gal. water.

Olives: Postbloom through August and Postharvest: Scales Use 4.0 tbs. of spray oil in 1 gal. water

Banana, Use as needed to control Yellow Sigatoka Disease-Use 2.5-4.0 table. of spray in 1 gal. water  
This application is also effective in loosening sooty mold fungus and in preventing its formation  
by the control of Aphids, Mealybugs, Scales and Whitefly.