

70158-2

05-04-2004

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

MAY 4 2004

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

David H. Dawe
Independent Agribusiness Professionals
5756 N. Marks Ave. Suite 161
Fresno, CA 93711

Subject: Label Amendment: Application rate changes (reduction) for grapes and hops
IAP Hi Supreme Spray Oil
EPA Reg. No. 70158-2
Submission dated January 29, 2004.

Dear Mr. Dawe:

The labeling referred to above submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable.

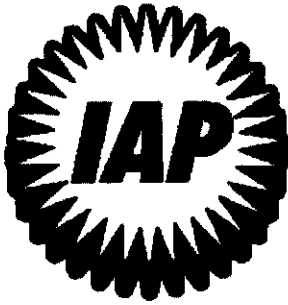
A stamped copy "accepted" of the label is enclosed for your records.

Please submit two (2) copies of the final printed label. If you have any questions please call me at (703) 308-8328.

Sincerely yours,

Akiva Abramovitch, Ph.D.
Chemist
Insecticide-Rodenticide Branch

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HI SUPRÊME SPRAY OIL

Active Ingredient: Petroleum oil 98.0 %
Inert Ingredients:.....2.0 %

TOTAL..... 100.0 %

Minimum Unsulfonated Residue ...93 %

**Keep out of Reach of Children
CAUTION**

See Below for Additional Precaution
Statements

EPA Reg. No. 71058 - 2
EPA Est. No. _____

Net Contents _____ Gallons

ACCEPTED
MAY 4 2004
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 71058-2

	<ul style="list-style-type: none"> eye. Call poison control center or doctor for treatment advice.
If on skin	<ul style="list-style-type: none"> Take off contaminated clothing Rinse skin with plenty of water for 15 -20 minutes. Call poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none"> Move person to fresh air. If person is not breathing call 911 or an ambulance, then give artificial respiration by mouth to mouth if possible Call poison control center or doctor for treatment advice.
Note to Physician Contains Petroleum Distillate - Vomiting may cause aspiration pneumonia	

First Aid Caution	
Have product container or label with you when calling a poison control center or doctor or going for treatment.	
If swallowed	<ul style="list-style-type: none"> Call poison control center or doctor immediately for treatment advice Do not induce vomiting unless told to by poison control center or doctor Do not give any liquid to a person Do not give anything to an unconscious person
If in eyes	<ul style="list-style-type: none"> Hold eye open and rinse slowly and gently with plenty of water for 15-20 minutes. Remove contact lense, if present, after the first 5 minutes, then continue rinsing

Precautionary Statements Hazards to Humans and Domestic Animals

Harmful if Swallowed - Wash thoroughly with soap and water after handling. Avoid breathing spray mist. Remove contaminated clothing and wash thoroughly before reuse.

Physical or Chemical Hazards

Do not store, use or spill near heat or open flame. Do not weld, heat or drill container. Residue may ignite with explosive violence if heated sufficiently.

Personal Protective Equipment

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

Applicators and other handlers must wear:

1. Long-sleeved shirt and long pants.
2. Chemical-resistant gloves, such as barrier laminate or nitrile rubber or neoprene rubber or viton.
3. Shoes plus socks.

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

User Safety Recommendations

Users should:

1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
2. 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 main high water mark. Do not contaminate water when disposing of equipment wash waters.

Chemigation Prohibition

DO NOT apply this product through any type of irrigation system.

Directions for Use

It is a violation of Federal Law to use this product in a manner inconsistent with this labeling.
 Do not apply 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 of training, decontamination, notification, and emergency assistance.
 It also contains specific instructions and exceptions pertaining to the statements on this label about personnel protective equipment and restricted-entry intervals. 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 of early entry to treated areas that is permitted under the Worker Protection Standard and that involve contact with anything that has been treated such as plants, soil, or water is:

1. Coveralls
2. Chemical-resistant gloves, such as barrier laminate or nitrile rubber or neoprene rubber or viton.
3. Shoes plus socks

Storage and Disposal

Do not contaminate water, food or feed by storage or disposal. Keep container closed when not in use. Protect from freezing. Keep in shade. In case of spill or leak on floor or paved surfaces, soak up with sand, earth, or synthetic absorbent.
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). Then offer for recycling or reconditioning, or puncture and dispose of in sanitary landfill, or by other approved State and local procedures.

Use Precautions

Summer Sprays

- DO NOT COMBINE WITH SULFUR SPRAYS and DO NOT APPLY spray oil within 30 days before or after an application of sulfur unless trees are in the dormant stage. Application during foliage stage within 30 days of a sulfur application will result in phytotoxicity.
- DO NOT COMBINE with Vendex, Calcium, Captan, Folpet, Morestan, Sevin or Zinc Sulfate. Allow the following intervals before or after application; Vendex 28 days, Calcium 14 days, Morestan 30 days, Sevin 14 days.
- DO NOT use on foliage closer than 60 days after or 90 days before using captan or folpet products.
- DO NOT MIX with insecticides or fungicides incompatible with oil. Consult your State Agricultural Extension Service for specific compatibilities.
- DO NOT APPLY to trees weakened by disease, drought, drying winds, or high nitrogen applications.
- DO NOT USE HI SUPREME SPRAY OIL when temperatures are above 90° F
- MAINTAIN CONSTANT AGITATION to prevent broken emulsion which can cause oil injury
- MULTIPLE CONCENTRATE APPLICATIONS may cause plant injury. Avoid double applications on the ends of crop rows when turning application equipment.
- CONCENTRATE APPLICATIONS can delay bud development

Dormant Sprays

- DO NOT COMBINE dormant spray oil with SULFUR or LIME SULFUR unless the mixture has been tested on the crop and the mixture has been shown to be safe. Oil and Sulfur or lime sulfur combinations SHOULD ONLY to be used on DORMANT CROPS.
- DO NOT USE HI SUPREME SPRAY OIL when temperatures are below 32° F (usually nighttime lows). Apply to crops when temperatures have warmed above 35° F and crop is free of moisture of melting frost or heavy dew
- DO NOT MIX with insecticides or fungicides incompatible with oil. Consult your State Agricultural Extension Service for specific compatibilities
- DO NOT APPLY to trees weakened by disease, drought, drying winds, or high nitrogen applications
- MAINTAIN CONSTANT AGITATION to prevent broken emulsion which can cause oil injury
- CONCENTRATE APPLICATIONS can delay bud development

Recommendations

High Gallonage, Full Cover Sprays

Rates given are for gallons of HI SUPREME SPRAY OIL per 100 gallons of water. Fill spray tank with ½ the required amount of water. Start agitator. Add total amount of spray oil. Continue operation of agitator while adding balance of water and while spraying. Use only in spray machine with powerful positive agitation. HI SUPREME SPRAY OIL is formulated as a "fast - break" spray oil, and will not stay in solution unless agitated constantly. Apply to give total coverage to all parts of tree or vine for maximum insect control.

Crops	Pests	Foliar Application	Dormant or Delayed Dormant Application	Further Use Instructions
<p>APPLES, ALMONDS, APRICOTS, CHERRIES, NECTARINES, OLIVES, PEACHES, PEAR, PLUMS, PRUNES, WALNUTS</p>	<p>San Jose Scale, Brown Apricot Scale, Italian Pear Scale, Parlatoria Scale, Oleander Scale, Pear Psylla, Aphids, Mites</p>	<p>Apply 200 – 800 gallons of spray solution using 0.5 - 1.2 gallons of oil per 100 gallons of water</p>	<p>Apply 200 – 800 gallons of spray solution using 1 – 1.2 gallons of oil per 100 gallons of water</p>	<p>Do not apply to oil sensitive varieties due to fruit russetting or phytotoxicity to plant foliage or wood.</p>
<p>CITRUS (ORANGES, GRAPEFRUIT, LEMONS, AND OTHER CITRUS VARIETIES)</p>	<p>Red Scale, Yellow Scale, Purple Scale, Black Scale, Citrocola Scale, Brown Soft Scale, Citrus Red Mite, Pacific Spider Mite, Citrus Bud Mite, Two-spotted Spider Mite</p>	<p>Apply 600 – 1200 gallons of spray solution using 1.2 – 1.4 gallons of oil per 100 gallons of water</p>		<p>In Central California – Apply in July, August, and September.</p> <p>For Lemons in Southern California – apply in April and May and/or September through December.</p> <p>The higher dosage is recommended for heavier infestations in early fall.</p> <p>To aid in control of Red, Black, Yellow, or Purple Scale add a suitably labeled insecticide. Care should be taken in combining oil sprays with certain miticides and insecticides due to possible increased phytotoxicity when applied over foliage.</p>

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Crops	Pests	Foliar Application	Dormant or Delayed Dormant Application	Further Use Instructions
YOUNG NON-BEARING CITRUS	Mites	Apply 100 – 400 gallons of spray solution using 1.2 gallons of oil per 100 gallons of water		Apply during spring, late summer, and fall months.
GRAPES (except in CA.)	Mealybug	1 – 1.5 gallons per 100 gallons		Use 100-300 gallons per acre. Apply with ground equipment only. Oil can temporarily affect surface bloom appearance but will not cause subsurface injury. Oil should not be applied within two days of harvest to grapes grown for fresh market. DO NOT use Propargite (Omite) within 40 days following oil application. DO NOT apply oil within 30 days of a Propargite (Omite) application. DO NOT combine with sulfur sprays past dormant stage. Applications made within 30 days before or after sulfur application will result in phytotoxicity.
GRAPES	Mealybug	4 – 6 gallons of oil in 100 gallons of water (For post harvest Fall spray use only)	4 – 6 gallons or oil in 100 gallons of water	Use in 200 – 300 gallons of water per acre.
ORNAMENTALS & SHADE TREES (Conifers, Holly, Pyracantha, Sycamore, Hawthorne, Flowering Peach, Flowering Cherry, Apple, Roses (except in CA), Magnolia, Dogwood, Oak,	Black Scale, Brown Apricot Scale, Oyster Shell Scale, San Jose Scale, Soft Brown Scale, Red Spider Mites and Eggs. Additional Species except in CA.: Aphids, Adelgids, Certain Caterpillars, Eriophyd Mites,	Apply 100 – 250 gallons of spray solution using 0.5 – 1.0 gallons of oil per 100 gallons of water	2 – 3 gallons	Conifer applications to Blue Spruce and Blue Juniper varieties may cause discoloration. May cause injury to Arborvitae and other cedars. Do not use on conifers or other ornamental plants not tolerant to oil sprays. Do not use dormant sprays on broadleaf evergreens such as Rhododendron, Cherry Laurel, Holly, Ivy, Azalea or Oregon Grape. In colder

Crops	Pests	Foliar Application	Dormant or Delayed Dormant Application	Further Use Instructions
Privet, Birch	Gall Mites, Lace Bug, Leaf Beetle larvae, Leafminer, Mealybug, Psylids (imature), Sawfly, Whiteflies (imature)			<p>climates Cotoneaster, Barberry and Yews may be sensitive. Do not spray dormant sprays below 35° F. If handgun has not been used for twenty minutes or longer, recirculate back into tank until hose is flushed.</p> <p>Caution Dormant Spray: Recommended minimum of 2 week intervals for dormant sprays. Do not spray dormant sprays when buds have fully formed, and shoot elongation is occurring. Do not spray dormant sprays when leaves are in obvious moisture deficit or plants are under stress. Reduce rate to 2 gallons/100 water for Fall dormant applications to only: American Red Oak, Japanese Black Pine, Dogwood, Weeping Cherry, Comelina Cherry, Crab Apple, Norway Maple, Pure Leaf Plum. Keep away from open blooms – spotting has been observed with oil use on open blooms of certain varieties.</p>
Christmas Trees (except in CA)	Aphids, adeligids, Scales (soft and hard imature), Spider Mites,	1 – 3 gallons	2 – 4 gallons	

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Concentrate Sprays

Rates given are gallons of HI SUPREME SPRAY OIL per acre. Use 40 – 200 gal of water per acre by ground application and 15 – 30 gallons by aircraft.

Crops	Pests	Foliar Application (gal. oil / Acre)	Dormant or Delayed Dormant Application (gal. oil / Acre)	Further Use Instructions
<p>APPLES, ALMONDS, APRICOTS, CHERRIES, NECTARINES, OLIVES, PEACHES, PEAR, PLUMS, PRUNES, WALNUTS</p>	<p>San Jose Scale, Brown Apricot Scale, Italian Pear Scale, Parlatoria Scale, Oleander Scale, Pear Psylla, Mites</p>	<p>5 – 8</p>	<p>5 - 8</p>	<p>Do not apply to oil sensitive varieties due to fruit russetting or phytotoxicity to plant foliage or wood.</p>
<p>CITRUS (ORANGES, GRAPEFRUIT, LEMONS, AND OTHER CITRUS VARIETIES)</p>	<p>Red Scale, Yellow Scale, Purple Scale, Black Scale, Citrocola Scale, Brown Soft Scale, Citrus Red Mite, Pacific Spider Mite, Citrus Bud Mite, Two-spotted Spider Mite</p>	<p>10 – 20</p> <p>Apply using a mist sprayer in 60 - 100 gallons of water per acre.</p> <p>Spray droplets should be discharged into an air stream pattern of high velocity (above 100 mph) with sufficient volume to carry spray through the tree canopy.</p> <p>Ground speed should</p>		<p>In Central California – Apply in July, August, and September.</p> <p>For Lemons in Southern California – apply in April and May and/or September through December.</p> <p>The higher dosage is recommended for heavier infestations in early fall.</p> <p>To aid in control of Red, Black, Yellow, or Purple Scale add a suitably labeled insecticide. Care should be taken in combining oil sprays with certain miticides and insecticides due to possible increased phytotoxicity when applied over foliage.</p> <p>See Agricultural Extension Service for recommendations on special combinations.</p>

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Crops	Pests	Foliar Application (gal. oil / Acre)	Dormant or Delayed Dormant Application (gal. oil / Acre)	Further Use Instructions
		not exceed 1.5 mph.		
GRAPES (except in CA)	Mealybug	1 gallon to a maximum of 3 gallons per acre of oil		Apply in a minimum of 50 gallons per acre. Apply with ground equipment only. Oil can temporarily affect surface bloom appearance but will not cause subsurface injury. Oil should not be applied within two days of harvest to grapes grown for fresh market. DO NOT use Propargite (Omite) within 40 days following oil application. DO NOT apply oil within 30 days of a Propargite (Omite) application. DO NOT combine with sulfur sprays past dormant stage. Applications made within 30 days before or after sulfur application will result in phytotoxicity.
HOPS (except in CA)	Hop Powdery Mildew	1 - 2 gallons in 100 gallons of water		Use 50-150 gallons of spray per acre depending on plant size to achieve thorough coverage. Apply with ground equipment only. Caution: DO NOT use Propargite (Omite) within 40 days following an oil application. DO NOT apply oil within 30 days of a Propargite (Omite) application. DO NOT combine with sulfur sprays. Applications made within 30 days before of after sulfur applications will result in phytotoxicity.
FIGS	Fig Scale		3	For dormant or delayed dormant only
KIWIFRUIT (California only)	Latania Scale, Greedy Scale, Oleander Scale, San Jose Scale		4 - 6	Use in minimum of 100 gallons of water per acre. Use higher rate where scale populations are high. Do not apply after budbreak. Do not use on weak or stressed vines, or where soil moisture

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Crops	Pests	Foliar Application (gal. oil / Acre)	Dormant or Delayed Dormant Application (gal. oil / Acre)	Further Use Instructions
				is inadequate.
PISTACHIO (Arizona only)	Scale Insects		4	Apply in 40 – 400 gallons of finished spray mix per acre.
PISTACHIO (California only)	Parthenolecanius Soft Scale		6	Apply as a dormant and/or post harvest treatment. Apply at the rate of 100 to 400 gallons of finished spray mix per acre.

Spreader – Sticker on all Citrus Varieties

This product may be used as a spreader – sticker with a suitable insecticide or miticide at a rate not to exceed 1.0%. Do not use when freezing temperatures are expected. Care should be taken in combining oil sprays with certain miticides and insecticides due to possible increased phytotoxicity when applied on foliage. See Agricultural Extension Service for recommendations on special combinations

NOTICE

INDEPENDENT AGRIBUSINESS PROFESSIONALS (IAP) WARRENTS THAT THIS PRODUCT CONFORMS TO THE CHEMICAL DESCRIPTION ON THE LABEL THEREOF AND IS REASONABLY FIT FOR THE PURPOSE STATED ON SUCH LABEL ONLY WHEN USED IN ACCORDANCE WITH THE DIRECTIONS FOR USE. 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 WEATHER CONDITIONS, PRESENCE OF OTHER MATERIALS, OR THE MANNER OF USE OR APPLICATION, ALL OF WHICH ARE BEYOND THE CONTROL OF IAP. IN NO CASE SHALL IAP BE LIABLE FOR THE CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER.

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