

71058-2

10-16-2006

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Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0060, Approval expires 2-28-95



United States
Environmental Protection Agency
Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number Independent Agribusiness Professionals/71058-2	2. EPA Product Manager John Hebert	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) IAP/ Hi Supreme Spray Oil	PM# 7	
5. Name and Address of Applicant (Include ZIP Code) Independent Agribusiness Professionals 6177 N. Thesta Ave, Suite 103 Fresno, CA 93710 <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 checked="" 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.

NOTIFICATION

OCT 16 2006

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

Notification of the Revised Directions for Use
This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 10 gal and 20 gal		5. Location of Label Directions <input checked="" type="checkbox"/> On Container	
6. Manner in Which Label is Affixed to Product		<input checked="" 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 Dr. Matthew Brooks	Title Director, Ag-Chem Consulting, LLC	Telephone No. (Include Area Code) 703-266-0123
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 Director	
4. Typed Name Matthew Brooks, Ph.D.	5. Date 9/22/06	

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NOTIFICATION

OCT 16 2006



HI SUPREME 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 Precautionary
Statements**

**EPA Reg. No. 71058 – 2
EPA Est. No. _____**

Net Contents _____ Gallons

	<ul style="list-style-type: none"> eye. <ul style="list-style-type: none"> 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.
<p>Note to Physician Contains Petroleum Distillate – Vomiting may cause aspiration pneumonia</p>	

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:

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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 out 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.

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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 90⁰ 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 32⁰ F (usually nighttime lows). Apply to crops when temperatures have warmed above 35⁰ F and crop is free of moisture of melting frost or heavy dew
- DO NOT MIX with insecticides of 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

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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
APPLES, ALMONDS, APRICOTS, CHERRIES, NECTARINES, OLIVES, PEACHES, PEAR, PLUMS, PRUNES, WALNUTS	San Jose Scale, Brown Apricot Scale, Italian Pear Scale, Parlatoria Scale, Oleander Scale, Pear Psylla, Aphids, Mites	Apply 200 – 800 gallons of spray solution using 0.5 - 1.2 gallons of oil per 100 gallons of water	Apply 200 – 800 gallons of spray solution using 1 – 1.2 gallons of oil per 100 gallons of water	Do not apply to oil sensitive varieties due to fruit russetting or phytotoxicity to plant foliage or wood.
CITRUS (ORANGES, GRAPEFRUIT, LEMONS, AND OTHER CITRUS VARIETIES)	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	Apply 600 – 2000 gallons of spray solution using 1.2 – 1.4 gallons of oil per 100 gallons of water		In Central California – Apply in July, August, and September. For Lemons in Southern California – apply in April and May and/or September through December. The higher dosage is recommended for heavier infestations in early fall. 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.

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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.
AVOCADOS	Mites and Thrips	Apply using 400 – 3000 gal of spray per acre using 1-4 gallons of oil per 100 gallons of water		Do not exceed 30 gal of oil per acre per application. When the application of oil is more than 2% vol/vol, do a small test area and allow enough time for adverse symptoms to develop before treating the larger block.
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,	Black Scale, Brown Apricot Scale, Oyster Shell Scale, San Jose Scale, Soft	Apply 100 – 250 gallons of spray solution using 0.5 – 1.0 gallons of	2 – 3 gallons	Conifer applications to Blue Spruce and Blue Juniper varieties may cause discoloration. May cause injury to Arborvitae and other

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Crops	Pests	Foliar Application	Dormant or Delayed Dormant Application	Further Use Instructions
Sycamore, Hawthorne, Flowering Peach, Flowering Cherry, Apple, Roses (except in CA), Magnolia, Dogwood, Oak, Privet, Birch	Brown Scale, Red Spider Mites and Eggs. Additional Species except in CA.: Aphids, Adelgids, Certain Caterpillars, Eriophyd Mites, Gall Mites, Lace Bug, Leaf Beetle larvae, Leafminer, Mealybug, Psylids (imature), Sawfly, Whiteflies (imature)	oil per 100 gallons of water		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 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. 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.
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 – 500 gal of water per acre by ground application and 15 – 100 gallons by aircraft.

Crops	Pests	Foliar Application (gal. oil / Acre)	Dormant or Delayed Dormant Application (gal. oil / Acre)	Further Use Instructions
APPLES, ALMONDS, APRICOTS, CHERRIES, NECTARINES, OLIVES, PEACHES, PEAR, PLUMS, PRUNES, WALNUTS	San Jose Scale, Brown Apricot Scale, Italian Pear Scale, Parlatoria Scale, Oleander Scale, Pear Psylla, Mites	5 – 8	5 - 8	Do not apply to oil sensitive varieties due to fruit russetting or phytotoxicity to plant foliage or wood.
CITRUS (ORANGES, GRAPEFRUIT, LEMONS, AND OTHER CITRUS VARIETIES)	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	10 – 20 Apply using a mist sprayer in a minimum of 50 gallons of water per acre. 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. Ground		In Central California – Apply in July, August, and September. For Lemons in Southern California – apply in April and May and/or September through December. The higher dosage is recommended for heavier infestations in early fall. 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. See Agricultural Extension Service for recommendations on special combinations.

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Crops	Pests	Foliar Application (gal. oil / Acre)	Dormant or Delayed Dormant Application (gal. oil / Acre)	Further Use Instructions
		speed should not exceed 1.5 mph.		
AVOCADOS	Mites and Thrips	Ground: Use 1 – 18 gallons of oil per acre in 50 – 100 gallons of spray mixture. Use enough spray mixture for thorough coverage Aerial: Use 1-18 gallons of oil per acre in 20 – 100 gallons of spray		When the application of oil is more than 2% vol/vol, do a small test area and allow enough time for adverse symptoms to develop before treating the larger block.
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

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Crops	Pests	Foliar Application (gal. oil / Acre)	Dormant or Delayed Dormant Application (gal. oil / Acre)	Further Use Instructions
				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 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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EXCEPT AS EXPRESSLY PROVIDED HEREIN, IAP MAKES NO WARRANTIES, GUARANTEES, OF REPRESENTATIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING BUT NOT LIMITED TO, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE.

**Formulated for
Independent Agribusiness Professionals
6177 N. Thesta Avenue, Suite 103, Fresno, CA 93710**



Ag-Chem Consulting

Pesticide Science and Registration

12208 Quinque Lane, Clifton VA 20124

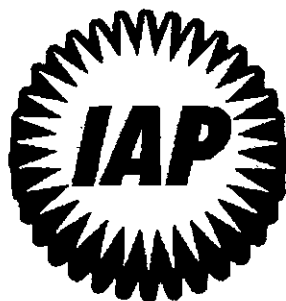
(703) 266-0128 mwbrooks01@yahoo.com

703-266-4377 Fax

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Attachment 2: Revised label with changes underlined

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HI SUPREME 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 Precautionary
Statements

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

Net Contents _____ Gallons

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 lenses, if present, after the first 5 minutes, then continue rinsing

	<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.
<p>Note to Physician Contains Petroleum Distillate – Vomiting may cause aspiration pneumonia</p>	

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:

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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.

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Use Recommendations

GENERAL INFORMATION

Hi Supreme Spray Oil is narrow range petroleum spray oil designed for use on stone fruits, nut crops, pome fruits, citrus, vine crops, tropical fruits and ornamentals as a foliar or dormant/delayed dormant application. Total coverage of all parts of plants is required for optimum results. Application rates for dilute sprays (greater than 150 gallons spray solution per acre) are listed as gallons of spray oil per 100 gallons of water per acre. Concentrate applications (usually from 20 to 150 gallons per acre), are based upon dilute spray conversion of rate per acre x highest volume applied per acre. Aerial applications are recommended only when weather conditions do not allow ground application. Apply recommended dose by air in a minimum of 20 gallons per acre. Optimum spray gallonage per acre is based upon tree or plant size, planting density, and stage of growth.

Mixing Instructions

Fill spray tank with ½ the required amount of water. Add micronutrients and other compatible pesticides. If dry products are used, start agitation and mix thoroughly with water before adding oil to the spray tank. Add spray oil and continue with vigorous agitation. Hi Supreme Spray Oil is formulated as a "fast break" spray oil, and will not stay in solution unless agitated constantly. Maintain agitation of the spray mixture until it has been applied. DO NOT USE THIS MATERIAL IF IT DOES NOT EMULSIFY.

Use Restrictions

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 may result in phytotoxicity.
- 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 APPLY HI SUPREME SPRAY OIL prior to or during a period of excessively hot temperatures (> 90° F).
- MAINTAIN CONSTANT VIGOROUS AGITATION during application to keep spray oil and water in solution.
- MULTIPLE CONCENTRATE APPLICATIONS may cause plant injury or delayed bud development. Avoid double applications on the ends of crop rows when turning application equipment.

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

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- MAINTAIN CONSTANT VIGOROUS AGITATION during mixing and application to keep spray oil and water in solution.
- CONCENTRATE APPLICATIONS can delay bud development

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 2.0%. 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

FRUIT, VINE AND NUT CROPS

Crops	Pests	Foliar Application	Dormant or Delayed Dormant Application	Further Use Instructions
APPLES, ALMONDS, APRICOTS, CHERRIES, NECTARINES, OLIVES, PEACHES, PEAR, PISTACHIOS PLUMS, PRUNES, WALNUTS	San Jose Scale, Brown Apricot Scale, Italian Pear Scale, Parlatoria Scale, Oleander Scale, Pear Psylla, Aphids, Mites <u>Parthenolecanius Soft Scale on pistachios</u>	Dilute: Apply 200 – 800 gallons of spray solution using 0.5 -1.2 gallons of oil per 100 gallons of water. <u>Concentrate: 5- 8 gallons per acre in minimum 50 gallons per acre.</u>	Apply 100 – 800 gallons of spray solution using 1 – 1.2 gallons of oil per 100 gallons of water. <u>Concentrate: 5- 8 gallons per acre in minimum 50 gallons per acre.</u>	Do not apply to oil sensitive varieties due to fruit russetting or phytotoxicity to plant foliage or wood. <u>For use on pistachios, apply as a dormant and/or post harvest treatment. Apply at the rate of 100 to 400 gallons of finished spray mix per acre.</u>
CITRUS (ORANGES, GRAPEFRUIT, LEMONS, AND OTHER CITRUS VARIETIES)	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	Dilute: Apply 500 – 2000 gallons of spray solution using 1.2 – 1.4 gallons of oil per 100 gallons of water. <u>Concentrate: Apply 10- 20 gallons per acre in a minimum of</u>		<u>For Oranges, Grapefruit, Limes and other citrus, in Central California –; and in Southern California and Oxnard Plains, Apply May through September. Do not use on navel oranges after September 1.</u> For Lemons in Southern California – apply in April and May and/or September through December. <u>In Coastal counties apply March through early November.</u>

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		<p><u>50 gallons of water per acre. 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.</u></p> <p><u>Ground speed should not exceed 1.5 mph.</u></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>
YOUNG NON-BEARING CITRUS	Mites	Dilute: 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.
AVOCADOS	Mites and Thrips	<p>Dilute: Apply using 400 – 3000 gal of spray per acre using 1-4 gallons of oil per 100 gallons of water.</p> <p><u>Concentrate: Use 1 – 18 gallons of oil per acre in 50 – 100 gallons of</u></p>		<p>Do no exceed 30 gal of oil per acre per application.</p> <p>When the application of oil is more than 2% vol/vol, do a small test area and allow enough time for adverse symptoms to develop before treating the larger block.</p>

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Crops	Pests	Foliar Application	Dormant or Delayed Dormant Application	Further Use Instructions
		<u>spray mixture. Use enough spray mixture for thorough coverage</u> <u>Aerial: Use 1-18 gallons of oil per acre in 20 – 100 gallons of spray</u>		
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	Dilute: 4 – 6 gallons of oil in 100 gallons of water (For post harvest Fall spray use only) <u>Concentrate: 1 gallon to a maximum of 3 gallons oil per acre .</u>	4- 6 gallons of oil in 100 gallons of water	Use in 100 – 300 gallons of water per acre.

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Crops	Pests	Foliar Application	Dormant or Delayed Dormant Application	Further Use Instructions
ORNAMENTALS & SHADE TREES (Conifers, Holly, Pyracantha, Sycamore, Hawthorne, Flowering Peach, Flowering Cherry, Apple, Roses Magnolia, Dogwood, Oak, Privet, Birch)	Black Scale, Brown Apricot Scale, Oyster Shell Scale, San Jose Scale, Soft Brown Scale, Red Spider Mites and Eggs, Aphids, Adelgids, Certain Caterpillars, Eriophyd Mites, Gall Mites, Lace Bug, Leaf Beatle larvae, Leafminer, Mealybug, Psyllids (imature), Sawfly, Whiteflies (imature)	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 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. 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.

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Crops	Pests	Foliar Application	Dormant or Delayed Dormant Application	Further Use Instructions
Christmas Trees	Aphids, adeligids, Scales (soft and hard imature), Spider Mites,	1 – 3 gallons	2 – 4 gallons	

HOPS (except in CA)	Hop Powdery Mildew	Concentrate: 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		<u>Dilute:</u> <u>Apply 2-3 gallons per 100 gallons</u>	For dormant or delayed dormant only
KIWIFRUIT (California only)	Latania Scale, Greedy Scale, Oleander Scale, San Jose Scale		<u>Concentrate:</u> <u>Apply 4-6 gallons per acre</u> =	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 is inadequate.

NOTICE

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