ACCEPTED

APR 2 1 2000 SPRAY OIL 13E

69526-6

Under the Federal Insecticide Fungicide, and Rodenticide Act

ACTIVE INGRIPORATION Under Petroleum OTALA Reg. No. 69526 BY WT. 98.00% INERT INGREDIENTS: 2,00% 100.00% TOTAL Unsulfonated Residue ... 99.00%

KEEP OUT OF REACH OF CHILDREN CAUTION

See Below For Additional Precautionary Statements.

FIRST AID

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

If swallowed	Call a poison control center or doctor immediately for treatment advice. On not induce vomitting unless told to by a poison control center or doctor.
If in eyes	 Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.
If on skin	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
if inhaled	 Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

NOTE TO PHYSICIAN: Petroleum distillate poses aspiration pneumonia hazard. Only minor mitation should be expected from any type of exposure other than pulmonary aspiration. Ingestion may result in some gastroenteritis and mild diamhea. Since systemic toxicity is not expected, the added risk of aspiration from altempts

lo induce vomiting or lavage are deemed not warranted.
FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL:
PETRO-CANADA 403-296-3000, CANUTEC TRANSPORTATION: 613-896-6666, POISON CONTROL CENTRE. EDA DEG NO 60626.A

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PRECAUTIONARY STATEMENTS Hazards to Humans & Domestic Animals

CAUTION

Harmful If swallowed or absorbed through skin or inhaled. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. This product is a potential skin sensitizer. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Avoid breathing spray mist, Wash thoroughly with Saap and water after handling, Remove contaminated clothing and wash clothing before

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 the EPA chemical resistance category selection chart.

Applicators and other handlers must wear: long-sleeved shirl and long pants, chemical-resistant gloves (such as Barrier Laminate, Nitrile rubber, Butyl, Ncoprene rubber or Viton) and 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 separalely from other laundry.

Engineering controls statements:

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets with requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-8)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

Wash hands before eating, drinking, chewing gum, using tobacco or using the

Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of

gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. For terrestrial uses, do not apply directly to water, or to areas where surface water is precent or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters. Apply this product only as specified on the label.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its

Do not apply this product in a way that will contact workers or other persons, either

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 posticides. It contains requirements for training decontamination, notification, and emergency assistance, it also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry

interval (REI) of 4 hours.

PPE required for early entry to treated areas that is permitted under the Worker

Protection Standard and that involves contact with anything that has been treated. auch as plants, soil, or water, ix; coveralls over long-sleeved shirt and long parits shoes and socks and chemical-resistant gloves (such as Nitrile, Butyl, Neoprene and/or Berrier Laminate),

STORAGE AND DISPOSAL

PESTICIDE STORAGE: Keep out of reach of children and animals. Store in original inal containers only. Store in a cool, dry place and svoid excess heat. Carefully open containers, After partial use, replace ads and close tightly. Do not put concontrate or dilute material into food or drink containers. Do not contaminate other posticides, fertilizers, water, food, or feed by storage or disposal.

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. To confine spill: If liquid, dike surrounding area or absorb with sand, cal litter or commercial clay. If dry material, cover to prevent dispersal Place damaged package in a holding container, identify contents:

PESTICIDE DISPOSAL: Waster resulting from the use of this product may be dis posed of on site or at an approved waste disposal facility.
CONTAINER DISPOSAL: Metal: Triple rines (or equivalent). Then offer for recy.

cling or reconditioning, or puncture and dispose of in a sanitur, ≦udfill, or by other procedures approved by state and local authorities. Do not cut or weld metal con-tainers, Plastic:Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sankary landful, or indiceration, or, if allowed by state and local authorities, by burning, if burned, stay out of smoke directly or through difft. Only protected handlers may be in the area during application.
For any requirements specific to your State of Tibe, consult the agency responsible for perticide regulation.

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APPLICATIONS

Total coverage of all parts of tree is essential for maximum insect control. Apply as directed to thoroughly drench all limbs, fwigs, and leaves without significant runoff. This product may be used as a carrier for appropriate insecticides and fungicides which are registered for use on deciduous fruits and nuts and which can be applied to give a uniform spray. Consult your local Agricultural Extension Service.

DO NOT COMBINE WITH SULFUR SPRAYS AND DO NOT APPLY spray oil within 30 days before or after an application of sulfur except in the Northwest (Oregon
and Washington) where it may be used in combination on Pears as a Post harvest
(after all fruit is off the tree), Dormant and Delayed Dormant (before the scales slip,
or at or prior to bud swell) treatment and on Apples prior to or up to the Delayed
Dormant (¼ inch green) period.

Do not apply to Captan within 90 days after or 60 days before this oil. If in doubt, spray a portion of one tree previously treated with Suffur or Captan using 1 quart to 25 gaillons water. Burn will show in several days if sufficient time has not etapsed). Avoid application of oil sprays just prior to or during hot weather (95°F), rainy weather or drying winds. Apply when temperature is above 32°F.

DO NOT USE THIS MATERIAL IF IT DOES NOT EMULSIFY.

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 this product when temperatures are above 95°F.

Use only in spray machines with powerful positive agitation. Keep agitator running at all times during spray operations. This product is formulated as a "fast break" spray oil and will not stay in solution unless agitated constantly.

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

See specific instructions for concentrate and aerial application.

ORCHARD CONCENTRATE APPLICATION: Apply according to rates given in the table for each crop. All quantities of spray solution are for mature trees and vines with normal foliage cover. Quantities should be reduced proportionally for smaller immature trees and vines. Use only on crops listed on this label. Special concentrate spray equipment is necessary for this application.

NOTE: Use efficient equipment of the proper type. Avoid spraying during or immediately prior to hot or freezing weather (over 95°F, or under 32°F,), hot dry winds, fain or other unsuitable conditions; avoid overspraying or double spraying. Plants should be sprayed only when in vigorous condition and when their moisture condition is suitable.

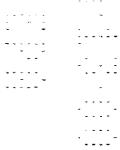
Fill spray tank with ½ the required amount of water. Start agitation. Add total amount of spray oil. Continue operation of agitator while adding balance of water and while spraying.

APPLES AND PEARS:		
PESTS	APPLICATION RATE & TIMING	COMMENTS
ON APPLES AND PEARS: European Fruit Lecanium Scale Olive Scale San Jose Scale European Red Mite Eggs	DORMANT OR DELAYED DORMANT: Use 1 to 2 gals, per 100 gals, of water at 400 to 800 gals, per acre (Concentrate Spray; Use 6 to 8 gals, per acre in a minimum of 20 gals, water per acre.)	
Two Spotted Spider Mite Pacific Red Miteat European Red Mite	FOLIAR SPRAY: Use 1 to 1½ gal, per 100 gals, water 400 to 800 gals, per acre. (Concentrate Spray: Do not use more than 4 gals, per acre in a minimum of 20 gals, water per acre.)	
ON APPLES ONLY: Rosy Apple Aphid Eggs Apple Aphid Eggs	DORMANT OR DELAYED DORMANT: Use 1 to 2 gals. per 100 gals. of water at 400 to 800 gals. per acre. (Concentrate Spray: Use 6 to 8 gals per acre in a minimum of 20 gals, water per acre.)	
Fruit Tree Leafroller Apple Red Bug Scurfy Scale	GREEN TIP TO DELAYED DORMANT: Use 1 to 3 gats. per 100 gats. of water at 400 to 800 gats. per acre. (Concentrate Spray: Use 6 to 12 gats. per acre in a minimum of 20 gats, water per acre.)	
European Red Mite		Delayed dormant preferred
San Jose Scale Forbes Scale	DORMANT, GREEN TIP TO DELAYED DORMANT: Use 1 to 2 gals, per 100 gals, of water at 400 to 800 gals, per acre. (Concentrate Spray: Use 6 to 8 gals, per acre in a minimum of 20 gals, water per acre.)	
ON PEARS ONLY: Pear Psylla	DORMANT: Use 1 to 2 gals, per 100 gals, of water at 400 to 800 gals, per acre. (Concentrate Spray: Use 6 to 8 gals, per acre in a minimum of 20 gals, water per acre.)	Apply before eggs are laid.
Fruit Tree Leafroller Pear Leaf Blister Mite	DORMANT: Use 1 to 3 gals. per 100 gals. of water at 400 to 800 gals. per acre. (Concentrate Spray: Use 6 to 12 gals. per acre in a minimum of 20 gals. water per acre.)	

For Aerial Application: Dormant and Delayed Dormant Application Only: Apply 3 to 5 gals. in a minimum of 20 gals. of water per acre. Apply by air only when soil conditions do not permit regular ground application.

WALNUTS:		
PEST	APPLICATION RATE & TIMING	COMMENTS
Black Scale	SUMMER STAGES: Use 4 to 6 gals, per acrein 200	Use only on trees that have not suffered from lack of moisture at any
Calico Scale	to 500 gallons of water per acre.	time during the growing season. Do not apply to orchards where soil
European Fruit Lecanium Scale	,	moisture is low.
Frosted Scale		Trees must be fully dormant.
Olive Scale		Do not apply after husk split.
San Jose Scale		bo not apply and trank spirit
Sall sose scale		
European Red Mite Eggs Walnut Aphid Eggs		
Spider Mites	SUMMER FOLIAR (when leaves fully	
Soft Scales	expanded): Use 4 to 6 gals, per acre in 200 to 500 gals, water per acre.	
GRAPES:		1
PEST	APPLICATION RATE & TIMING	COMMENTS
Mealybug	DORMANT: Use 2 to 3 gais, plus the appropriate label	Do not apply over 300 gals, of water per acre.
- Indexy prog	rate of insecticide registered for use on grapes in 200 to 300 gals, of water per acre.	portion apply over 900 gails. Of Hater per acre.
OLIVES:		
PEST	APPLICATION RATE & TIMING	COMMENTS
Olive (Parlatoria) Scale	POSTBLOOM THROUGH AUGUST AND POST	OGMNILITIO
	I .	
Olegador Coole	MARN/EST: Use 1 to 11/2 sale one 100 sale of union of	
Oleander Scale Black Scale ALMONDS, APRICOTS, CHER	HARVEST: Use 1 to 1½ gals, per 100 gals, of water at 400 to 1500 gals, per acre. RIES, NECTARINES, PEACHES, PLUMS AND PRUNES	5: (Directions for use on Plums and Prunes in California's Sacramento
Black Scale ALMONDS, APRICOTS, CHER Valley can be found in the table	400 to 1500 gais, per acre. RIES, NECTARINES, PEACHES, PLUMS AND PRUNES e following this one):	5: (Directions for use on Plums and Prunes in California's Sacramento
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Black Scale ALMONDS, APRICOTS, CHER Valley can be found in the table PEST Black Scale European Fruit Lecanium Scale San Jose Scale Olive Scale Frosted Scale Aphid Eggs European Red Mite Eggs Brown Mite Eggs Fruittree Leafroller Eggs Terrapin Scale Cottony Peach Scale	APPLICATION RATE & TIMING DORMANT: Use 1 to 2 gals. per acre. DELAYED DORMANT: Use 2 to 3 gals. per acre in a minimum of 20 gals. of water per acre.) DORMANT: Use 2 to 3 gals. per acre in a minimum of 20 gals. of water per acre.) DORMANT: Use 2 to 3 gals. per acre in a minimum of 20 gals. of water per acre.) DORMANT: Use 2 to 3 gals. per acre in a minimum of 20 gals. of water per acre.) DORMANT: Use 2 to 3 gals. per 100 gals. of water at 300 to 600 gallons per acre. (Concentrate Spray: Use 8 to 12 gals. per acre in a minimum of 20 gals. of water per acre.) DORMANT: Use 2 to 3 gals. per 100 gals. of water at 300 to 600 gallons per acre. (Concentrate Spray: Use 8 to 12 gals. per acre in a minimum of 20 gals. of water per acre.) FOLIAR SPRAY: Use ½ to 1½ gals. per 100 gals. of water at 300 to 600 gals. per acre in a minimum of 20 gals. water per acre.) DORMANT: Use 1½ to 2 gals. per 100 gals. of water acre in a minimum of 20 gals. water per acre.)	COMMENTS Preferred times of application for European Fruit Lecanium Scale and European Red Mite Eggs is Green Tip to Delayed Dormant, and for Sar Jose Scale is Dormant, Green Tip to Delayed Dormant. Certain varieties of plums and prunes may be injured by oil sprays,

For Aerial Application: Dormant and Delayed Dormant Application Only: Apply 3 to 5 gals. In a minimum of 20 gals, of water per acre, Apply by air only when soil conditions do not permit regular ground application.



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PLUMS AND PRUNES: (Sacram	ento Valley of California Only)
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PEST	APPLICATION RATE & TIMING	COMMENTS
Black Scale European Fruit Lecanium Scale San Jose scale Olive Scale Frosted Scale Mealy Plum Aphid Eggs Leaf Curl Plum Aphid Eggs Brown Mite Eggs European Red Mite Eggs	PRE-BLOOM WHEN FRUIT BUDS SHOW GREEN TIPS: Use 1½ to 2 gals, per 100 gals, of water at 300 to 600 gals, per acre. (Concentrate Spray: Use 6 to 8 gals, per acre in a minimum of 20 gals, water per acre.)	Application at this time is preferred.
Two-spotted Spider Pacific Mite European Red Mite Brown Mite	FOLIAR SPRAY: Use ½ to 1 gals, per 100 gals, water at 300 to 600 gals, per acre. (Concentrate Spray: Use 4 to 6 gals, per acre in a minimum of 20 gals, water per acre.)	Oil sprays may injure certain varieties of plums and prunes, check for tolerance prior to treatment.

For Aerial Application: Dormant and Delayed Dormant Application Only: Apply 3 to 5 gals. In a minimum of 20 gals, of water per acre. Apply by air only when soil conditions do not permit regular ground application.

CITRUS: (California Only) - Lemons, Grapefruit, and Oranges (Navel and Valencia), Limes, Tangerines and Tangelos.

PEST	APPLICATION RATE & TIMING	COMMENTS
Vites -Citrus Bud -Citrus Flat -Citrus Red	Central California: Apply ½ to 1½ gals. of oil per 100 gals. of water as thorough coverage spray (TC). Alternately, use a low volume spray (LV) to apply 1 to 10 gals. of oil per acre.	For Lemons, Grapefruit, Oranges (Navels and Valencias), Limes, Tangelos and Tangerines apply July through September.
Scales -Black -Brown Soft -California Red	Apply up to 10 gals, of oil per acre on bearing trees up to 10 feet in height. Add 1 gal, of oil per acre for each foot of tree height over 10 feet. Apply as a low volume spray (LV) 1 to 10 gals, of oil per acre.	For Lemons, Grapefrult, Oranges (Navels and Valencias), Limes, Tangelos and Tangerines.
-Citricola -Purpie -Yeilow	Apply as a low volume spray (LV) 1 to 10 gals. of oil per acre.	For Lemons and Limes, make applications in all months except December through February; for Grapefruit make applications July through October; for Oranges make applications on Naveis July through September and on Valencias, Tangelos and Tangerines July through October.
Mites -Citrus Bud -Citrus Flat -Citrus Red	Southern California: Apply ½ to 1½ gals, of oil per 100 gals, water as a thorough coverage spray (TC). Alternately, use a low volume spray (LV) to apply 1 to 10 gals, of oil per acre.	For Coastal Lemons and Limes, apply May and June and/or September through December. For Interior Lemons and Limes, apply in April and May and/or September through November.
Scales -Black -Brown Soft -California Red -Citricola -Purole	Apply up to 10 gals, of oil per acre on bearing trees up to 10 feet in height. Add 1 gal, of oil per acre for each foot of tree height over 10 feet. Apply as a low volume spray (LV) 1 to 10 gals of oil per acre.	For Lemons, Grapefruit, Oranges (Navels and Valencias), Limes, Tangelos and Tangerines.
·Yallow Tangerines	Apply as a low volume spray (LV) 1 to 10 gals. of oil per acre.	For Lemons and Limes, make applications in all months except December through February; for Grapefruit make applications July through October; for Oranges make applications on Naveis July through September and on Valencias, Tangelos and July through October.
Mites -Citrus Bud -Citrus Flat -Citrus Red	Oxnard Plains Area: Apply ½ to 1½ gals, of oil per 100 gals, of water as a thorough coverage spray (TC). Atternately, use a low volume spray (LV) to apply 1 to 10 gals, of oil per acre. Apply up to 10 gals, of oil per acre on bearing trees up to 10 feet in height, Add 1	For Lemons, Grapefruit, Oranges (Navels and Valencias), Limes, Tangelos and Tangerines. Make applications as needed throughout the year.
Scales -Black -Brown Soft -California Red -Citricota	gal. of oil per acre for each foot of tree height over 10 feet. Apply as a low volume spray (LV) 1 to 10 gals, of oil per acre.	
-Purple -Yellow	í	1

Thorough coverage spray (TC): Applications achieving a uniform film wetting of all portions of the tree at 250 to 4500 gallens of spray solution per acre, the total volume is dependent of the size of the trees.

Low-volume spray (LV): Applications with droplet depositions achieved on all interior and exterior parts of the tree using 10 to 100 gallons of spray solution per acre. Do not apply prior to or during a period of excessively high temperatures.

Do not apply oil spray when trees show stress.

Consult with your local University of California Cooperative Extension Specialist for proper timing and spray program.

CiTRUS: (Florida Only) -Grapefruit, Lemons, Limes, Oranges, Tangelos and Tangerines.

PEST	APPLICATION RATE & TIMING	COMMENTS
Citrus Rust Mite	5 to 10 gals, of oil per acre. Apply as a dilute spray.	Does not control citrus Snow Scale.
Spider Mites	5 to 10 gals, of oil per acre. Apply as a dilute spray.	
Scale Insects -Black Soft -Brown Soft -Chaff -Glover -Purple -Red -Yellow	5 gals. of oil per acre + 6 pints Ethion 4EC. Apply as a dilute spray.	Summer spray only. Observe all applicable precautions on Ethion label. Do not apply to Navel oranges.
Scale Insects -Black Soft -Brown Soft -Chaff -Clover -Purple -Red -Yellow	5 to 10 gats, of oil per acre. Apply as a dilute spray.	
Whitefly	5 gals. of oil per acre. Apply as a dilute spray.	
Greasy Spot (Grapefruit)	5 gals. of oil per acre. Apply as a dilute spray.	Tank mix with sufficient copper fungicide to provide 4 lbs. per acre of metailic copper.
Greasy Spot (all other varieties)	5 to 10 gats, of oil per acre. Apply as a dilute spray.	If disease pressure is severe, tank mix 4 lbs. (metallic) copper per acre. Do not exceed 5 gals. oil if copper used.
Loosening sooty mold	5 to 10 gats, of oil per acre. Apply as a dilute spray.	Use higher rate when disease pressure is heavy.

Dilute spray: Apply the spray oil application rate in up to 4500 gallons of water per acre, or 30 to 35 gallons per tree, to over 45 gallons per tree for large trees. Best results can be obtained when the oil is added to a partially filled spray tank under proper agitation and all foliage is thoroughly covered.

Precautions in the use of oil include: Do not apply oil spray when trees are wilting. Do not apply oil and sulfur within 3 weeks of each other in Florida. Oil spray applied after October 1 may increase susceptibility of trees to cold damage and may reduce the fruit crop the following year. Oil sprays applied in the fall may inhibit solids formation in the juice and retard coloring of fruit and should not be applied within 60 days of anticipated harvest. Sensitive foliage may be injured.

Consult the Florida Citrus Spray and Dust Schedule, or your Agricultural Experiment Station or State Extension Service Specialist for complete details on the spraying program best suited to your local.

AVOCADOS - HAAS VARIETY ONLY:

PESTS	APPLICATION RATE & TIMING	COMMENTS
Avocado Brown Mite	Use ½ to 1 gal, per 100 gals, of water with thorough coverage in 400 to 3000 ga, per acre. (Concentrate Spray: Use 4 to 15 gals, per acre in a minimum of 50 to 100 gals, per acre.)	Apply through late fail. Consult with your local University of California Cooperative Extension Service for proper timing and application parameters.

BANANAS:

PESTS	APPLICATION RATE & TIMING	COMMENTS
Black Leaf Streak (Mycosphaerella fijiensis)	Use ½ to 1½ gals. in 20 to 100 gals. of water per acre. (Mist Blower: Use 1½ gals. in 6 gals. of water per acre.)	Begin application when disease first appears and continue every 10 to 15 days during rainy periods or as is needed. Do not apply when daytime temperatures exceed 80° F as injury may occur. Phytotoxicity may be affected by the quantity of oil used, vigor of trees and temperature at the time of application. Bag fruits or avoid direct spraying on unbagged fruits.

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