



Dormant Oil 435

**An Emulsifiable Concentrate Useful For The Control Of Certain Insect Pests And
As An Additive To Certain Fungicidal Sprays**

ACTIVE INGREDIENT	
Mineral Oil*.....	98.8%
OTHER INGREDIENTS.....	1.2%
TOTAL	100.0%

Contains petroleum distillate
*Unulfonated Residue 92% Min.

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

IF IN EYES:

- Hold eye 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 OR CLOTHING:

- 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 SWALLOWED:

- Call a poison control center or doctor immediately for treatment advice.
- Do not induce vomiting unless told to by a poison control center or doctor.
- Do not give anything to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-877-424-7452 for emergency medical treatment information.

Note to Physician: Do not induce vomiting. May cause aspiration pneumonia hazard. Contains petroleum distillate.

Read Additional PRECAUTIONARY STATEMENTS

EPA Reg. No. 9779-251
CA Reg. No. 9779-251-AA

EPA Est. No.

Distributed By:
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NET CONTENTS

_____Gals.

With corrections as accepted by EPA 7-20-09
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PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION

Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing.

PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are made of barrier laminate, nitrile rubber, neoprene rubber, or viton. If you want more options, follow the instructions for category E on an EPA chemical-resistance category selection chart.

Mixers, loaders, applicators, flaggers and other handlers must wear long-sleeved shirt and long pants, shoes and socks, and chemical-resistant gloves.

See engineering controls for additional requirements.

USER SAFETY REQUIREMENTS

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

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

ENGINEERING CONTROLS

Pilots must use an enclosed cockpit that meets the requirements listed in the WPS for agricultural pesticides [40 CFR 170.240(d) (6)].

USER SAFETY RECOMMENDATIONS

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing/PPE 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

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

PHYSICAL OR CHEMICAL HAZARDS

Do not use, pour, spill, or store near heat or open flame.

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.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as soil or water, is: coveralls, shoes plus socks, and chemical-resistant gloves made of any waterproof material.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Do not enter or allow others to enter until sprays have dried.

STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.

STORAGE

Store in a dry location away from children, animals, foods, feeds, seeds, or other agricultural chemicals. Handle in accordance with information given under PRECAUTIONARY STATEMENTS. In the event of spillage or leakage, soak up material with absorbent clay,

sand, sawdust, or other absorbent material. Scrape up and dispose of in accordance with information given under DISPOSAL. Repackage and relabel useable product in a sound container.

DISPOSAL

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: Use label language appropriate for container size and type.

Nonrefillable containers. Do not reuse or refill this container. Clean container promptly after emptying.

Nonrefillable container equal to or less than 5 gallons. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Nonrefillable container greater than 5 gallons. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure or accident, call
CHEMTREC 1-800-424-9300

SPRAY DRIFT MANAGEMENT

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application (e.g., ground, aerial, airblast, chemigation) can influence pesticide drift. The applicator and grower must evaluate all factors and make appropriate adjustments when applying this product.

For airblast applications, turn off outward pointing nozzles at row ends and when spraying outer row. To minimize spray loss over the top in orchard applications, spray must be directed into the canopy.

WIND SPEED

Do not apply at wind speeds greater than 15 mph at the application site.

TEMPERATURE INVERSIONS

If applying at wind speeds less than 3 mph, the applicator must determine if a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

DROPLET SIZE

Apply as a medium or coarser spray (ASAE standard 572), and the minimum volume mean diameter (VMD for spinning atomizer nozzles).

RELEASE HEIGHT

Apply using a nozzle height of no more than 4 feet above the ground or crop canopy.

For aerial applications of agricultural products, do not release spray at a height greater than 10 feet above the ground, top of crops, or above the orchard canopy.

BOOM LENGTH

The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.

SWATH ADJUSTMENT

When applications are made with the cross-wind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind. Leave at least one swath unsprayed at the downwind edge of the treated field.

INFORMATION

DORMANT OIL 435 is a blend of special surfactant with phytobland (non-phytotoxic oil) in the 70 second viscosity range.

PREPARATION WITH APPLICATION OF SPRAY EMULSIONS

Fill spray tank half full of water. Add the proper amount of herbicide while agitating and then add DORMANT OIL 435. Continue to agitate while finishing filling and agitate before and during each application to insure a uniform spray emulsion.

FOR APPLICATION WITH FUNGICIDES

Use 1 pint to 1 quart of DORMANT OIL 435 per acre of crop treated. DORMANT OIL 435 is particularly suggested for use with BENOMYL and MANCOZEB when they are used for the control of Cercospora leaf spot and rust of peanuts.

Generally those using ground applicators will apply 20 to 100 gallons of spray per broadcast acre, with proportionately less for band treatments. If airplane applications are to be made, apply at least 5 gallons of spray per acre.

Carefully read and follow the directions contained on the label of the fungicide with which DORMANT OIL 435 is to be used. For local recommendations, consult competent agricultural authorities.

FOR CONTROL OF INSECTS

DORMANT OIL 435 is useful for the control of certain insect pests of apples, almonds, peaches, plums, prunes, cherries, ornamentals and shade trees, pears, pecans, and citrus fruits. General directions for its use are given in the table. However, as cultural practices for these crops vary so much in different areas that specific information for use of DORMANT OIL 435 for a particular crop listed should be obtained from your State Agricultural Extension Service. DORMANT OIL 435 may be used in conjunction with certain insecticides or fungicides for use on apples, peaches, plums, prunes, cherries, ornamentals and shade trees, pears, pecans, and citrus but only if the labels of the insecticides or fungicides give directions for use with spray oils. Such directions must be followed implicitly. Do not use more than six (6) applications of DORMANT OIL 435 alone or in combination per year. When using gallons per acre rate use in sufficient water to insure thorough coverage.

CROPS	PEST CONTROLLED	GALLONS OF DORMANT OIL 435 PER ACRE	GALS OF DORMANT OIL 435 PER 100 GALS SPRAY	TIME OF APPLICATION
Apples, Almonds, Peaches, Plums, Prunes, Cherries	Aphid eggs, Orchard Mites: For best results, should be followed by an acaracide in pink. Good coverage may eliminate necessity of summer application.	4 to 9	1 to 2	½ inch green. Timing very critical.
	San Jose Scale and other scales	6 to 9	1 to 2	After leaves drop in fall and before buds swell in spring.
Ornamentals, Shade Trees Conifers* holly, pyracantha, sycamore, hawthorne, flowering peach, flowering cherry, apple, magnolia, maple, dogwood, oak, privet, birch	Scales (Brown, soft, oyster shell, brown apricot, black, San Jose), Red spider mites, red spider mite eggs	4	1	On all varieties when in leaf
		4	1	Dormant spray on evergreen varieties
		4 to 9	2	Dormant spray on deciduous varieties
*May cause discoloration of blue spruce. Do not use on conifers or ferns not tolerant to oil sprays.				
Pears	Orchard Mites	4 to 8	1 to 2	Same as for apples, peaches, plums, prunes and cherries
	Pear Psylla	4 to 8	2	Dormant before appreciable oviposition. Second application one week later if adult psylla are still present.
Pecans	Obscure Scale	4 to 10	3 (If trees are in weakened condition, use only 2.)	Late February until buds first break.

CROP	PEST CONTROLLED	GALLONS OF DORMANT OIL 435 PER ACRE	TIME OF APPLICATION
Citrus	Whiteflies, Spider Mites, Loosens Sooty Mold,	2 to 5	Apply in sufficient water to assure thorough coverage of leaves, twigs and fruit.
	Scale insects, Greasy Spot, Citrus Rust Mite (Does not control snow scale.)	5 to 10	Do not apply with sulfur or within 30 days of each other. Oil applied after October may increase susceptibility of trees to cold damage and may reduce the crop the following year. Oil applied in the fall may inhibit solids formation and retard fruit coloring. Do not apply to drought-stricken trees. Do not use oil when humidity is 30% or less. Irrigate; then apply oil.

Citrus: Maximum of 159 pounds active ingredient per acre (maximum 1500 gallons of spray mix per acre) in Texas and Florida, and 212 pounds active ingredient per acre (maximum 2000 gallons of spray mix per acre) in California (based on Thorough Coverage Spray, with 1.5 gallons of product mixed in 100 gallons of water).

WARRANTY DISCLAIMER

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