



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
16-161

Date of Issuance:
MAY 21 1993

NOTICE OF PESTICIDE:
 Registration
 Reregistration

Term of Issuance: Until
Reregistration

Name of Pesticide Product: Dragon
Horticultural Spray
Oil

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Dragon Corporation
P.O. Box 7311
Roanoke, Virginia 24019

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

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

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

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

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the following label changes:

- a. Revise the EPA Registration Number to read, "EPA Reg. No. 19-161."
- b. Add directions for "IF INHALED" to the Statement of Practical Treatment.

Signature of Approving Official:

DENNIS H. EDWARDS

Dennis H. Edwards, Jr.
Product Manager (19)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Date:

MAY 21 1993

277

page 2
EPA Reg. No. 16-161

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

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

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

Sincerely,
DENNIS H. EDWARDS

Dennis H. Edwards, Jr.
Product Manager 19
Insecticide & Rodenticide Branch
Registration Division (H7505C)

Enclosure

3 7 7

[FRONT PANEL]

**DRAGON®
HORTICULTURAL SPRAY OIL**

A DORMANT & GROWING SEASON SPRAY.

Controls scale insects, aphids, mites, whiteflies, mealybugs and other listed insects on ornamentals, fruit, berries, citrus and shade trees.

ACTIVE INGREDIENT:	BY WT.
Petroleum Oil	98%
INERT INGREDIENTS:	<u>2%</u>
TOTAL:	100%

Petroleum oil minimum unsulfonated residue 92%

[NOTE TO EPA: Front panel of label may include graphics representing product use; e.g., insects controlled - scale, mite, aphid.]

**Keep Out of Reach of Children
CAUTION**

See back/side/other panel(s) for additional precautions.

ACCEPTED
with COMMENTS
in EPA Letter Dated

NET CONTENTS 1 PT (16 OZ) / 1 QT (32 OZ) / 1 GAL (128 OZ)

MAY 21 1993

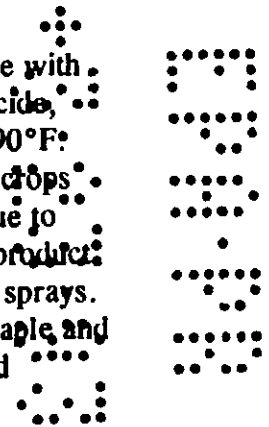
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

16-161

[BACK/SIDE/OTHER PANEL(S); BOOKLET WHEN NEEDED]

GENERAL INFORMATION: DRAGON® Horticultural Spray Oil is an especially refined horticultural oil insecticide. It is for use on plants in foliage or in dormant stage. It is effective in controlling many insects on apples, apricots, cherries, nectarines, peaches, pears, plums, prunes; grapevines; citrus fruits; blueberry, blackberry and raspberry bushes; roses, shade trees, evergreens and ornamental shrubs.

ADDITIONAL USE PRECAUTIONS: Shake contents before using! DO NOT spray foliage with DRAGON® Horticultural Spray Oil within 30 days before or after using sulfur, Captan fungicide, SEVIN® (carbaryl), or CYGON® (dimethoate). DO NOT use when temperatures are above 90°F: When temperatures drop below 32°F (usually nighttime lows), DO NOT spray tree and vine crops until daytime temperatures have warmed to a point above 32°F and are free from moisture due to melting frost or heavy dews. DO NOT apply when plants are wilting or near wilting. This product may cause discoloration of Blue Spruce. DO NOT use on conifers or ferns not tolerate to oil sprays. Use with caution and reduced rate for summer application on Japanese Red Maple, Armur Maple and Black Walnut. Use with caution and reduced rate for dormant application on Sugar Maple and Redbud. DO NOT store dilute spray — mix new batch for each use.



CONTROLS

Aphids, Azalea Bark Scale, Black Scale, Brown Apricot Scale, Cooley Spruce Gall Adelgid, Cottony Maple Scale, Eastern Spruce Gall Adelgid, Elongate Hemlock Scale, Euonymus Scale, European Elm Scale, European Fruit Lecanium Scale, European Red Mite, Fig Scale, Fletcher Scale, Frosted Scale, Fruit Tree Leafroller, Golden Oak Scale, Hemlock Eriophyid Mite, Hemlock Scale, Holly Scale, Italian Pear Scale, Kermes Oakscale, Lecanium Scales, Magnolia Scale, Maple Bladder-gall Mite, Mealybugs, Oleander Scale, Olive Scale (Parlatoria Scale), Oyster Shell Scale, Parlatoria Soft Brown Scale, Pear Leaf Blister Mite, Pear Psylla, Pine Bark Adelgid, Pine Eriophyid Mites, Pine Needle Scale, Purple Scale, Putnam Scale, Red Scale, Red Spider Mites, Rust Mites, San Jose Scale, Scurfy Scale, Southern Red Mite, Spruce Bud Scale, Spruce Spider Mite, Two-spotted Spider Mite, Taxus Pulvinar Scale, Tuliptree Scale, White Pine Aphid, Yellow Scale.

Also controls a wide range of mite and insect pests in the egg stage such as: spider and eriophyid mites, armored and soft scales, mealybugs, psyllids, whiteflies, aphids, leafrollers, leaftiers, webworms, cankerworms, plant bugs, leafhoppers and adelgids. Will kill other immature forms if spray covers the insect.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

DIRECTIONS: Add the required amount of this product to water in the spray tank to make the desired volume of spray mixture. Agitate before spraying and occasionally during application. Apply to thoroughly cover all plant surfaces, penetrating the crevices in the twigs and branches as well as the bark on trunk and limbs. Consult your Agricultural Extension Service for proper timing of application in your area to obtain maximum insect control.

GROWING SEASON (Spring/Summer)

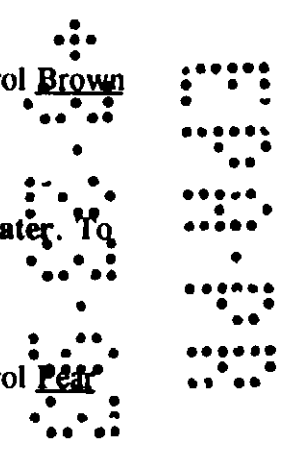
Use on: Ornamentals and Shade Trees — *see Additional Use Precautions* — (Apple, Birch, Conifers, Dogwood, Flowering Cherry, Flowering Peach, Hawthorne, Holly, Magnolia, Maple, Oak, Privet, Pyracantha, Sycamores). Use with caution and reduced rate on Japanese Red Maple, Armur Maple and Black Walnut.

Use Rate: To control Black Scale, Soft Brown Scale, Oyster Shell Scale, Brown Apricot Scale, San Jose Scale, Red Spider Mites and Eggs mix 2½ Tbs. per gal. of water.

Use on: Almonds, Apricots, Cherries, Nectarines, Peaches, Plums, Prunes
Use Rate: To control Red Spider Mites mix 2-2½ Tbs. per gal. of water. To control Brown Apricot Scale and San Jose Scale mix 2½ Tbs. per gal. of water.

Use on: Apples
Use Rate: To control Rust Mite and San Jose Scale mix 2½-3¾ Tbs. per gal. of water. To control Red Spider Mites mix 2-2½ Tbs. per gal. of water.

Use on: Pears
Use Rate: To contro' Red Spider Mites mix 2-2½ Tbs. per gal. of water. To control Pear Psylla and Pear San Jose Scale mix 2½-3¾ Tbs. per gal. of water.



Use on: Valencia Oranges
Use Rate: To control Red Scale, Black Scale, Yellow Scale, Purple Scale and Red Spider Mites mix 2½ Tbs. per gal. of water. DO NOT apply later than Sept. 1.

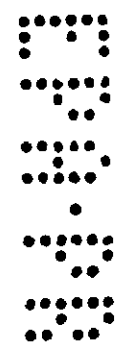
Use on: Walnuts
Use Rate: To control Frosted Scale, European Fruit Scale, San Jose and other soft-shell scale, Red Spider Mites mix 1¼-2½ Tbs. per gal. of water. APPLY LATE SPRING TO MID-SUMMER ONLY. DO NOT apply after husk split.

DORMANT USE

Use on: Roses, Ornamentals and Shade Trees — see *Additional Use Precautions* — [Apple, Azalea, Andromeda, Arborvitae, Austrian Pine, Birch, Bittersweet, Blue Spruce (needles will lose blue color), Canada Hemlock, Carolina Hemlock, Cedar, Chestnut Oak, Conifers, Crabapple, Cut Leaf Maple, Dogwood, Douglas Fir, Elm, English Elm, English Oak, Flowering Cherry, Flowering Peach, Glowering Trees, Hawthorne, Hemlock, Holly, Honeylocust, Ilex, Juniper, Lilac, Magnolia, Maple, Mountain Ash, Mugho Pine, Norway Spruce, Oak, Pachysandra, Pine, Privet, Pyracantha, Red Oak, Red Pine, Rhododendron, Scots Pine, Silver Maple, Spruce, Sycamores, Taxus, Tuliptree, White Oak, White Pine, White Spruce, Willow]. Use with caution and reduced rate on Sugar Maple and Redbud.

Use Rate: To control Aphids (free living forms), Azalea Bark Scale, Brown Apricot Scale, Elongate Hemlock Scale, Euonymus Scale, European Elm Scale, European Fruit Lecanium Scale, European Red Mite, Hemlock Eriophyid Mite, Kermes Oakscale, Oyster Shell Scale, Red Spider Mites and Eggs, San Jose Scale, Soft Brown Scale, Southern Red Mite — Dormant Spray on deciduous varieties, mix 5 Tbs. per gal. of water. Dormant Spray on other varieties, mix 2½ Tbs. per gal. of water. To control Cooley Spruce Gall Adelgid in Blue Spruce and Douglas Fir and Eastern Spruce Gall Adelgid in Norway and White Spruce apply before new growth starts, treating terminal twigs and bases of buds. To control Fletcher Scale in Arborvitae and Taxus; Golden Oak Scale in White, Chestnut and English Oaks; and Hemlock Scale in Canada and Carolina Hemlock apply before new growth starts. To control Holly Scale in Holly apply in April or May. To control Magnolia Scale in Magnolia; Pine Bark Adelgid in White, Scots and Austrian Pines; Pine Needle Scale in White, Red, Scots, Austrian and Mugho Pines and Spruce; Spruce Bud Scale in Spruce; Spruce Spider Mite in Arborvitae, Hemlock, Spruce, Juniper, Cedar and Pines; Taxus Pulvinar Scale in Taxus; Tuliptree Scale in Tuliptree; White Pine Aphid in White Pine; and Maple Bladdergall Mite in Silver and Cut Leaf Maple apply in April. To control Rine Eriophyid Mites in Pines apply when needles begin to elongate.

Use on: Almonds, Apricots, Cherries, Nectarines, Peaches, Plums, Prunes. (Dormant or Delayed Dormant)
Use Rate: To control Brown Apricot Scale, Black Scale, San Jose Scale, Olive Scale (Parlatoria Scale), Oleander Scale, Frosted Scale, Italian Pear Scale, European Fruit Lecanium, Putnam Scale, Parlatoria Soft Brown Scale and certain other Scale Insects, Eggs of Aphids, and Red Spider Mites mix 3¾-5 Tbs. per gal. of water; To control Two-spotted Spider Mites and European Red Mites in peaches, mix 5 Tbs. per gal. of water and apply to ½" green tip stage. To control overwintering



eggs of Two-spotted Spider Mites and European Red Mites in cherries, mix 5 Tbs. per gal. of water and apply at bud burst. To control European Red Mites or European Fruit Lecanium Scale in plums, mix 5 Tbs. per gal. of water and apply to 1/2" green tip stage.

Use on: Apples, Pears (Dormant or Delayed Dormant)
Use Rate: To control San Jose Scale, Italian Pear Scale, eggs of Aphids and Red Spider Mites, mix 3 3/4-5 Tbs. per gal. of water. To control Rust Mites in apples, mix 3 3/4-5 Tbs. per gal. of water and apply as delayed dormant spray. To control Cottony Maple Scale, European Fruit Lecanium Scale and European Red Mite in apples, mix 5 Tbs. per gal. of water and apply at dormant to 1/2" green tip stage. To control Fruit Tree Leafroller and Scurfy Scale in apples, mix 7 1/2 Tbs. per gal. of water. To control Pear Psylla in pears, mix 5 Tbs. per gal. of water and apply as dormant spray (before appreciable oviposition). Make second application one week later if adult psylla are still present. To control Blister Mite in pears, mix 5 Tbs. per gal. of water and apply as delayed dormant and fall spray. To control Fruit Tree Leaf Roller in pears, mix 7 1/2 Tbs. per gal. of water and apply as dormant spray.

Use on: Figs (Dormant or Delayed Dormant)
Use Rate: To control Fig Scale mix 7 1/2 Tbs. per gal. of water.

Use on: Grapes, ~~European Grapevine Moth~~ (Dormant)
Use Rate: To control overwintering Mites, mix 5 Tbs. per gal. of water.

Use on: Olives.
Use Rate: To control Parlatoria Scale, Spider Mites, Oleander Scale and Black Scale, mix 3 3/4 Tbs. per gal. of water. Apply in pre-bloom or in post-bloom up to buckshot.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed. Avoid breathing vapors or spray mist. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling.

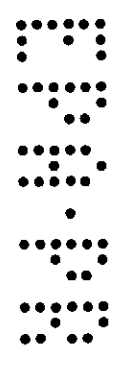
STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: DO NOT induce vomiting because of aspiration hazard. Call a physician or Poison Control Center.

IF IN EYES: Immediately flush eyes with plenty of water. Get medical attention if irritation persists.

IF ON SKIN: Remove contaminated clothing. Wash affected area with soap and water. Get medical attention if irritation persists. Launder clothing before reusing.

ENVIRONMENTAL HAZARDS: This product is toxic to fish. DO NOT apply directly to water, areas where surface water is present, or areas below the mean high tidal mark. DO NOT apply when weather conditions favor drift from areas treated. DO NOT contaminate water by cleaning of equipment or disposal of waste.



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

PHYSICAL OR CHEMICAL HAZARDS: Do not use, pour, spill or store near heat or open flame.

STORAGE AND DISPOSAL

STORAGE: Store only in original container, in a cool, dry place inaccessible to children and pets and away from feed and foodstuffs.

PESTICIDE DISPOSAL: Securely wrap original container in several layers of newspaper and discard in trash.

CONTAINER DISPOSAL: DO NOT reuse empty container. Wrap container and put in trash collection.

NOTE: Buyer assumes all responsibilities of use, storage or handling of this material not in strict accordance with DIRECTIONS and CAUTIONS stated on this label.

SEVIN® is a registered trademark of Rhône Poulenc Ag Company.

CYGON® is a registered trademark of American Cyanamid Company.

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DRAGON CORPORATION
Roanoke, VA 24019

