

PM 04

48813-1

12/10/98

175

"MASTER LABEL"

(Space reserved for logo)

SAF-T-OIL

Spray Oil Emulsion
Fungicide, Insecticide, and Miticide

Table with 2 columns: Ingredient, Percentage. Rows: Active Ingredient, Petroleum Oil (80%), Other Ingredients (20%), Total (100%).

Unsulfonated Residue of Petroleum Oil ... 92%min.

EPA Reg. No. 48813-1

EPA Est. No. 48813-IL-1

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

If swallowed, call a doctor or get medical attention. Do not induce vomiting. Do not give anything by mouth to an unconscious person. If on skin, wash with plenty of soap and water. Get medical attention if symptoms persist. If in eyes, flush with plenty of running water. If irritation persists, see a physician. If inhaled, remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth, and get medical attention.

NOTE TO PHYSICIAN

May pose an aspiration pneumonia hazard. See next panel for additional Precautionary Statements.

Net Contents: 2.5 gal. (17.8 lbs.)

Manufactured by:

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BRANDT CONSOLIDATED

Box 277, Pleasant Plains, Illinois 62677

(17) 626-1031

ACCEPTED

DEC 10 1998

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 48813-1

PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS
Caution: Harmful if swallowed. Avoid breathing of spray mists or vapors. Avoid contamination of feed or foodstuffs.

PERSONAL PROTECTIVE EQUIPMENT

WPS USES: Handlers who may be exposed to the dilute through application or other tasks covered by the Worker Protection Standard (40 CFR Part 170) in general, agricultural plant uses are covered- must wear: long-sleeved shirt long pants, shoes plus socks and chemical resistant gloves (such as barrier laminate or nitrile rubber, neoprene rubber, or viton). Follow manufacturer's instructions for cleaning/ maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. NON-WPS USES: Handlers who may be exposed to the dilute through application or other tasks NOT covered by the Worker Protection Standard (40 CFR Part 170) in general, only agricultural plant uses are covered by the WPS- must wear: long-sleeved shirt long pants, shoes plus socks and chemical resistant gloves (such as barrier laminate or nitrile rubber, neoprene rubber, or viton). After using this product, remove clothing and launder separately before reuse, and promptly and thoroughly wash hands and exposed skin with soap and water.

USER SAFETY RECOMMENDATIONS

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

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 mean high water mark. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on the label.

DIRECTIONS FOR COMMERCIAL USE

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

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 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 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, such as plants, soil, or water, is: coveralls, chemical resistant gloves, and shoes plus socks.

**VEGETABLES**

| CROP  | PEST  | APPLICATION RATE<br>Tbs. Per 1 Gallon<br>of Water | TIME OF APPLICATION |
|---|---|---|---------------------|
| Asparagus<br>Bean<br>Cucumber<br>Eggplant<br>Melon<br>Peanut<br>Pepper<br>Pumpkin<br>Radish<br>Squash<br>Tomato | Aphids<br>Beetle larvae<br>Leafhoppers<br>Leaf Miners<br>Mites<br>Thrips<br>Whiteflies        | 2.5-5.0   | As Needed           |
| Cabbage<br>Cauliflower<br>Celery<br>Cole Crops<br>Lettuce<br>Onion  | Aphids<br>Leafhoppers<br>Leaf Miners<br>Looper<br>Mites<br>Plant Bugs<br>Thrips<br>Whiteflies | 2.5-5.0   | As Needed           |
| Corn<br>(Sweet,<br>Field, Seed)<br>Popcorn<br>Sugar Beet  | Aphids<br>Leaf Miners<br>Mites<br>Whiteflies  | 2.5-5.0   | As Needed           |
| Potato<br>Sweet<br>Potato   | Aphids<br>Leaf Miners<br>Mites<br>Whiteflies  | 2.5-5.0   | As Needed           |

**SMALL FRUITS**

| CROP                                   | PEST   | APPLICATION RATE<br>Tbs. Per 1 Gallon<br>of Water | TIME OF APPLICATION |
|--|--|---|---------------------|
| Blueberry<br>Caneberries<br>Strawberry | Aphids<br>Mites<br>Powdery Mildew<br>Rust<br>Sawfly<br>Scales<br>Whiteflies                            | 2.5-5.0   | As Needed           |
| Grape                                  | Botrytis<br>Leafhoppers<br>Leaf Miners<br>Mealybugs<br>Mites<br>Powdery Mildew<br>Scales<br>Whiteflies | 2.5-5.0   | As Needed           |

**SHADE TREES, SHRUBS, ORNAMENTALS,  
FLOWER AND FOLIAGE PLANTS**

| CROP   | PEST  | APPLICATION RATE<br>Tbs. Per 1 Gallon<br>of Water | TIME OF APPLICATION |
|--|---|---|---------------------|
| Conifers<br>Foliage and<br>Bedding Plants<br>Ornamentals*<br>Shade Trees<br>Shrubs | Aphids<br>Black Spot<br>Leaf Miners<br>Mites<br>Plant Bugs<br>Powdery<br>Mildew<br>Psyllids<br>Rust<br>Sawfly<br>Scales<br>Whiteflies | 2.5-5.0   | As Needed           |

**ORNAMENTAL PLANTS-** Oil might remove the glaucous (blue) bloom from such evergreens as Colorado Blue Spruce and Koster Spruce. Use with caution and reduced dosage for summer application on Japanese Red Maple, Amur Maple and Black Walnut. Use with caution and reduced dosage for dormant application on Sugar Maple and Redbud.

**GREENHOUSE / ORNAMENTALS**

| CROP   | PEST   | APPLICATION RATE<br>Tbs. Per 1 Gallon<br>of Water | TIME OF APPLICATION |
|--|--|---|---------------------|
| Azalea<br>Camelia<br>Carnation<br>Fuchsia<br>Gleditsia<br>Hibiscus<br>Iris<br>Lily<br>Mums<br>Orchids<br>Poinsettia<br>Rhododendron<br>Rose<br>Vines | Aphids<br>Fungus Gnat<br>Leaf Miners<br>Mealy Bugs<br>Mites<br>Powdery<br>Mildew<br>Rust<br>Scales<br>Thrips<br>Whiteflies | 2.5-5.0   | As Needed           |

**CONDITIONS OF SALE**

Seller's guarantee shall be limited to contents and merchantability of the product and the terms of the label and subject thereto. The buyer assumes any risks to persons or property arising out of use or handling. Because the time, place, rate of applications and other conditions of use are beyond seller's control, seller's liability from storage, handling and use of this product is limited to replacement of product or refund of purchase price.

**DIRECTIONS FOR RESIDENTIAL  
NON-COMMERCIAL USE**

For use only in Home fruit and vegetable gardens,  
Home greenhouses, Interior plantscapes,  
Ornamental gardens, Parks, Golf courses  
and Public or Private Lawns and grounds.

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

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.

Do not allow people (other than applicator) or pets on treatment area  
during application. Do not enter treatment until spray has dried.

**GENERAL INFORMATION**

This insecticide's mode of action is through suffocation of eggs,  
larvae and nymphs of insects and mites and adults of soft-bodied  
insects. This mode of action necessitates total spray coverage. As a  
fungicide it interferes with the attachment of the pathogen to the host  
and acts as a suffocant. Use enough spray solution to completely  
penetrate the leaf canopy and cover both top and bottom of all of the  
leaves until wet without significant runoff. Most mature standard trees  
will require 3-4 gallons of spray solution per tree although citrus may  
require as much as 8 to 15 gallons of spray solution per tree. Fruits,  
vegetables, and ornamentals generally require 1 to 2 gallons of spray  
solution per 1000 sq. ft.

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

**USE PRECAUTIONS-** All horticultural oils interfere with or slow  
plant transpiration and respiration during periods of evaporation. DO  
NOT apply during periods of drought or when plants exhibit moisture  
stress.

**TIMING THE TREATMENT-** You must determine the precise  
timing to fit local growth and climatic conditions. This product can be  
applied up to day of harvest.

**MIXING DIRECTIONS-** This product mixes readily with water. A  
pump up sprayer or a trigger sprayer may be used. Fill the sprayer half  
full with water, add the appropriate rate of SAF-T-OIL and continue  
filling the sprayer. For best results, spray formulation should be mixed  
well and often.

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal.

**STORAGE:** Keep container tightly closed when not in use. Store only  
in original container in a cool, dry, place inaccessible to children and  
pets.

**PESTICIDE / CONTAINER DISPOSAL:** Securely Wrap original  
container in several layers of newspaper and discard in trash.

**RATE RECOMMENDATION**

**TREE FRUITS AND NUTS**

| CROP   | PEST   | APPLICATION RATE<br>Tbs. Per 1<br>Gallon of Water | TIME OF APPLICATION |
|--|--|---|---------------------|
| Almond<br>Apricot<br>Cherry<br>Plum<br>Prune | Aphids<br>Fruit tree Leaf Roller<br>Mites<br>Scales<br>Whiteflies  | 2.5-5.0   | As Needed           |
| Apple<br>(all varieties)                     | Aphids<br>Bugs (including<br>Apple Red Bug)<br>Fruit Tree Leaf<br>Roller<br>Mites (including<br>European Red Mite)<br>Powdery Mildew<br>Scales<br>(Hard, Soft, Scuffy)<br>Whiteflies | 2.5-5.0   | As Needed           |
| Avocado<br>Banana<br>Macadamia               | Bugs<br>Leafhoppers<br>Scales<br>Sigatoka<br>Leafroller<br>Thrips  | 2.5-5.0   | As Needed           |
| Citrus*                                      | Blackfly<br>Greasy Spot<br>Mites<br>Scales<br>(Clover, Chaff, Purple<br>Yellow, Red, Snow,<br>Brown and California<br>Red)<br>Sooty Mold<br>Whiteflies                               | 2.5-5.0   | As Needed           |
| Pear<br>(all varieties)                      | Aphids<br>Fruit Tree Leaf<br>Roller<br>Mites (including Pear<br>leaf Blister Mite)<br>Pear Psylla<br>Powdery Mildew<br>Scales<br>Whiteflies  | 2.5-5.0   | As Needed           |
| Fig<br>Kiwi<br>Olive                         | Aphids<br>Mites<br>Scales  | 2.5-5.0   | As Needed           |

\*CITRUS- Oils applied after October may increase  
damage to trees; applied in August and September  
may affect solids content, retard color.

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**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 and greenhouses.

Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment areas until spray is dried.

**GENERAL INFORMATION**

This insecticide's mode of action is through suffocation of eggs, larvae and nymphs of insects and mites and adults of soft-bodied insects. This mode of action necessitates total spray coverage. As a fungicide it interferes with the attachment of the pathogen to the host and acts as a suffocant. Use enough spray solution to completely penetrate the leaf canopy and cover both top and bottom of all of the leaves until wet without significant runoff. Most mature trees will require 20 to 500 gallons of spray solution per acre although citrus trees may require 15 to 1000 gallons spray solution per acre. Row crops generally require 20 to 100 gallons spray solution per acre. (Be sure to check with your equipment and local recommendations)

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

**USE PRECAUTIONS-** All horticultural oils interfere with or slow plant transpiration and respiration during periods of evaporation. DO NOT apply during periods of drought or when plants exhibit moisture stress.

**COMPATABILITY-** SAF-T-OIL is compatible with most commonly used insecticides and fungicides. Read and follow all precautions and limitations on labeling of all products used in tank mixtures. DO NOT mix with highly ionized nutritional sprays, but they can be sprayed separately. DO NOT use in combination with or immediately before or after spraying with fungicides such as captan, folpet, oxythioquinox (Morestan) or any product-containing sulfur. Also do not use with carbaryl(Sevin) or dimethoate(Cygon). Do not use with any product whose label recommends the use of no oils.

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

**TIMING THE TREATMENT-** You must determine the precise timing to fit local growth and climatic conditions. This product can be applied up to day of harvest.

**MIXING DIRECTIONS-** Add sufficient water to the mixing tank to allow proper agitation. Add the correct amount of SAF-T-OIL to tank. Maintain agitation until solution is used. If other pesticides are to be added, do so after SAF-T-OIL has been thoroughly mixed.

**RATE RECOMMENDATIONS**

**TREE CROPS**

| CROP  | PEST  | APPLICATION RATE<br>Gallons per 100<br>Gallons of Water | TIME OF APPLICATION                               |
|---|---|---|---|
| Almond<br>Apricot<br>Cherry<br>Plum<br>Prune  | Aphids<br>Fruit tree Leaf Roller<br>Mites<br>Scales<br>Whiteflies   | 1-2   | As Needed   |
| Apple<br>(all varieties)                      | Aphids<br>Bugs(including Apple Red Bug)<br>Fruit Tree Leaf Roller<br>Mites (Including European Red Mite)<br>Powdery Mildew<br>Scales (Hard,Soft,Scarfy)<br>Whiteflies | 1-2   | As Needed   |
| Avocado<br>Banana<br>Macadamia                | Bugs<br>Leafhoppers<br>Scales<br>Sigatoka<br>Leafroller<br>Thrips   | 1-2   | As Needed   |
| Citrus*                                       | Blackfly<br>Greasy Spot<br>Mites<br>Scales (Glover,Chaff,Purple, Yellow, Red, Snow, Brown and California Red)<br>Sooty Mold<br>Whiteflies                             | 1-2   | Fall<br>Early Winter<br>Post-Bloom<br>March-April |
| Hops  | Aphids<br>Fruit tree<br>Hops Powdery Mildew<br>Leaf Roller<br>Mites<br>Scales<br>Whiteflies   | 1-2   | As Needed   |
| Nectarine<br>Peach<br>Pecan                   | Aphids<br>Fruit Tree Leaf Roller<br>Mites<br>Scales<br>Whiteflies   | 1-2   | As Needed   |
| Pear<br>(all varieties)                       | Aphids<br>Fruit Tree Leaf Roller<br>Mites (including Pear leaf Blister Mite)<br>Pear Psyllid<br>Powdery Mildew<br>Scales<br>Whiteflies                                | 1-2   | As Needed   |
| Fig<br>Kiwi<br>Olive<br>Pistachio<br>Walnut** | Aphids<br>Mites<br>Scales   | 1-2   | As Needed   |

\* CITRUS- Oils applied after October may increase cold damage to trees; applied in August and September may affect solids content, retard color.

\*\* WALNUT- Apply late spring to mid summer only. Do not apply after husk split.

**SHADE TREES, SHRUBS, ORNAMENTALS,  
FLOWER AND FOLIAGE PLANTS**

**VEGETABLE AND FIELD CROPS**

| CROP  | PEST   | APPLICATION RATE<br>Gallons per 100<br>Gallons of Water | TIME OF APPLICATION |
|---|--|---|---------------------|
| Asparagus<br>Bean<br>Cucumber<br>Eggplant<br>Melon<br>Peas<br>Pepper<br>Pumpkin<br>Radish<br>Squash<br>Tomato | Aphids<br>Beetle larvae<br>Leafhoppers<br>Leaf Miners<br>Mites<br>Thrips<br>Whiteflies                         | 1-2   | As Needed           |
| Cabbage<br>Cauliflower<br>Celery<br>Cole Crops<br>Lettuce<br>Onion  | Aphids<br>Leafhoppers<br>Leaf Miners<br>Loopers<br>Mites<br>Plant Bugs<br>Thrips<br>Whiteflies                 | 1-2   | As Needed           |
| Corn<br>(Sweet,<br>Field, Seed)<br>Popcorn<br>Sugar Beet  | Aphids<br>Leaf Miners<br>Mites<br>Whiteflies   | 1-2   | As Needed           |
| Cotton  | Aphids<br>Bollworm eggs<br>and larvae<br>Leafhoppers<br>Loopers<br>Mites<br>Plant Bugs<br>Thrips<br>Whiteflies | 1-2   | As Needed           |
| Grasses<br>grown for<br>Seed  | Mites<br>Powdery Mildew<br>Rust  | 1-2   | As Needed           |
| Potato<br>Sweet<br>Potato   | Aphids<br>Leaf Miners<br>Mites<br>Whiteflies   | 1-2   | As Needed           |
| Tobacco   | Leaf Miners<br>Mites<br>Whiteflies   | 1-2   | As Needed           |

| CROP   | PEST  | APPLICATION RATE<br>Gallons per 100<br>Gallons of Water | TIME OF APPLICATION |
|--|---|---|---------------------|
| Conifers<br>Foliage and<br>Bedding Plants<br>Shade Trees<br>Shrubs | Aphids<br>Black Spot<br>Leaf Miners<br>Mites<br>Plant Bugs<br>Powdery<br>Mildew<br>Psyllids<br>Rust<br>Sawfly<br>Scales<br>Whiteflies | 1-2   | As Needed           |

**ORNAMENTAL PLANTS-** Oil might remove the glaucous (blue) bloom from such evergreens as Colorado Blue Spruce and Koster Spruce. Use with caution and reduced dosage for summer application on Japanese Red Maple, Amur Maple and Black Walnut. Use with caution and reduced dosage for dormant application on Sugar Maple and Redbud.

**GREENHOUSE / ORNAMENTALS**

| CROP  | PEST   | APPLICATION RATE<br>Gallons per 100<br>Gallons of Water | TIME OF APPLICATION |
|---|--|---|---------------------|
| Azalea<br>Camellia<br>Carnation<br>Fuchsia<br>Gladiolus<br>Hibiscus<br>Iris<br>Lily<br>Mums<br>Orchids<br>Poinsettia<br>Rhododendron<br>Rose<br>Vines | Aphids<br>Fungus Gnat<br>Leaf Miners<br>Mealy Bugs<br>Mites<br>Powdery<br>Mildew<br>Rust<br>Scales<br>Thrips<br>Whiteflies | 1-2   | As Needed           |

**SMALL FRUITS**

| CROP                                   | PEST   | APPLICATION RATE<br>Gallons per 100<br>Gallons of Water | TIME OF APPLICATION |
|--|--|---|---------------------|
| Blueberry<br>Cranberries<br>Strawberry | Aphids<br>Mites<br>Powdery Mildew<br>Rust<br>Sawfly<br>Scales<br>Whiteflies                            | 1-2   | As Needed           |
| Grape                                  | Botrytis<br>Leafhoppers<br>Leaf Miners<br>Mealybugs<br>Mites<br>Powdery Mildew<br>Scales<br>Whiteflies | 1-2   | As Needed           |

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal.

**STORAGE:** Store in a cool, dry, locked area out of the reach of children. Protect from excessive heat. Keep container tightly closed in storage to prevent entry of water.

**PESTICIDE DISPOSAL:** Waste 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 purchase and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned stay out of smoke.