**ACTIVE INGREDIENT:**
Mineral oil* ............................................................... 98.0%

**OTHER INGREDIENTS:** ........................................... 2.0%

**TOTAL:** .............................................................. 100.0%


**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See FIRST AID Below

**EPA Reg. No. 19713-123**
**EPA Est. No. 19713-XX-XXX**
**Net Content:**
2.5 Gals. (9.46 L)

**FIRST AID**

**IF ON SKIN OR CLOTHING:**
- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 to 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 give any liquid to the person.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious or convulsing person.

**IF IN EYES:**
- Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- 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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also call CHEMTREC at 800-424-9300 for emergency.

**Note to Physician:** Contains petroleum distillates and may pose an aspiration pneumonia hazard.

**PRECAUTIONARY STATEMENTS (Cont.)**

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**
Mixers, loaders, applicators, flaggers and other handlers must wear: Long-sleeved shirt and long pants, chemical-resistant gloves made of barrier laminate or viton ≥ 14 mils, and shoes plus socks. See "ENGINEERING CONTROLS" for additional 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 damaged by this 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: 1) Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 2) Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 3) 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**
Toxic to fish. For terrestrial uses, 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 apply when weather conditions favor drift from areas treated. 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.

**MANUFACTURED BY:**
Drexel Chemical Company
P.O. Box 13327, Memphis, TN 38113-0327

DAMOIL and the DREXEL logo are either trademarks or registered trademarks of Drexel Chemical Company. All other brand names, product names or trademarks belong to their respective holders.
When applying by ground spray equipment, the boom length must not exceed 75% of the appropriate adjustments when applying this product. Drift. The applicator and grower must evaluate all factors and make wind speed, temperature, and relative humidity and method of water to make a minimum of 20 gallons of spray per acre except where indicated otherwise. Use aerial application only if growing and/or soil conditions indicate a ground application to be unfeasible. Apply as a medium or coarser spray (ASABE standard 572), and the minimum volume mean diameter (VMD) for spinning atomizer nozzles.

AERIAL APPLICATIONS

Refrigeration Applications

Refrigeration Applications

DO NOT USE THIS PRODUCT in combination with or immediately preceding or following applications of Captan, Carbaryl, Folpet, Propargite and Sulfur Compounds.

AERIAL APPLICATIONS

Refrigeration Applications

DO NOT USE THIS PRODUCT in combination with or immediately preceding or following applications of Captan, Carbaryl, Folpet, Propargite and Sulfur Compounds.

For foliation application, the spray tank must be free of any Sulfur residue before using this product. Do not combine Sulfur with this product on foliage and do not follow a previous application of Sulfur or apply Sulfur following this product until sufficient time has elapsed for safety (at least 30 days) except in the Northwest (OR and WA). In OR and WA, it may be used in combination on Pears as a Post-harvest (after all fruit is off the tree), Dormant and Delayed-Dormant (before scales slip, or at or prior to bud swell) treatment. Use precaution when applying this product at temperatures above 90°F. Treat a small area and observe it for signs of damage to plants (phytotoxicity). Allow enough time for symptoms to appear before continuing to spray.

DO NOT use this product when temperatures are above 95°F. When temperatures drop below 32°F (usually nighttime lows), do not spray trees 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 dew. Application to trees weakened by disease, drought, drying winds or high nitrogen applications may result in oil injury.

USE INSTRUCTIONS

Dilute this product with water before use. Amounts given are for 100 gallons of diluted spray solution unless otherwise specified.

ACEROLA (Barbados Cherry)*, ATEMOYA*, CARAMBOLA (Star Fruit)*, RAMBUTAN*: Aphids, Beetle larvae, Caterpillars, Leafhoppers, Leafminers, Mites, Thrips, Whiteflies; Alternaria leafspot, Gummy stem blight, Powdery mildew, Rusts — Dilute Spray: Use 0.75 to 1.5 gallons of this product per 100 gallons of water at 200 to 500 gallons of water per acre. Concentrate Spray: Use 3 to 6 gallons of this product per acre in a minimum of 20 gallons of water per acre.

Cucumber mosaic virus, Papaya ringspot virus, Pepper mottle virus, Potato leafroll virus, Potato virus Y, Tobacco etch virus, Watermelon mosaic virus 2, Zucchini yellow mosaic virus — Dilute Spray: Use 0.75 to 1.5 gallons of this product per 100 gallons of water at 200 to 500 gallons of water per acre. Concentrate Spray: Use 3 to 6 gallons of this product per acre in a minimum of 20 gallons of water per acre.

Spray once or twice weekly depending on the growth of crop and/or soil conditions. Do not enter or allow others to enter until sprays have dried. Do not enter or allow others to enter until sprays have dried.

METHODS OF APPLICATION

This product may be applied using conventional hydraulic sprayers, concentrate application equipment, ground applicators or aircraft. Do not apply this product or mixes made from it via chemigation. Ground Application: When applying by ground spray equipment as dilute or concentrate spray, apply the labeled amount of this product in sufficient water for thorough coverage. Reduce spray volume proportionally for smaller and immature plants. If applied as a concentrate, the application rate must equal the amount of this product per acre on a per 100 gallon basis except where actual rates are specified. For example, if the dilute application indicates 1 gallon of this product per 100 gallons of water and it requires 500 gallons of spray for thorough coverage, the concentrate spray would require 5 gallons of this product per acre.

AERIAL APPLICATIONS

Refrigeration Applications

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DO NOT use this product when temperatures are above 95°F. When temperatures drop below 32°F (usually nighttime lows), do not spray trees 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 dew. Application to trees weakened by disease, drought, drying winds or high nitrogen applications may result in oil injury.

USE INSTRUCTIONS

Dilute this product with water before use. Amounts given are for 100 gallons of diluted spray solution unless otherwise specified.

ACEROLA (Barbados Cherry)*, ATEMOYA*, CARAMBOLA (Star Fruit)*, RAMBUTAN*: Aphids, Beetle larvae, Caterpillars, Leafhoppers, Leafminers, Mites, Thrips, Whiteflies; Alternaria leafspot, Gummy stem blight, Powdery mildew, Rusts — Dilute Spray: Use 0.75 to 1.5 gallons of this product per 100 gallons of water at 200 to 500 gallons of water per acre. Concentrate Spray: Use 3 to 6 gallons of this product per acre in a minimum of 20 gallons of water per acre.

Cucumber mosaic virus, Papaya ringspot virus, Pepper mottle virus, Potato leafroll virus, Potato virus Y, Tobacco etch virus, Watermelon mosaic virus 2, Zucchini yellow mosaic virus — Dilute Spray: Use 0.75 to 1.5 gallons of this product per 100 gallons of water at 200 to 500 gallons of water per acre. Concentrate Spray: Use 3 to 6 gallons of this product per acre in a minimum of 20 gallons of water per acre.

Spray once or twice weekly depending on the growth of crop and/or soil conditions. Do not enter or allow others to enter until sprays have dried. Do not enter or allow others to enter until sprays have dried.
ALFALFA Seed Crop Only: Use 0.25 gallon (1 qt.) of this product per acre in a minimum of 20 gallons of water per acre by ground application or minimum of 10 gallons per acre by air when used in combination and at the specified label rates with Malathion 5EC (an emulsifiable concentrate containing 5 pounds of malathion per gallon) or other insecticides or miticides that permit tank-mixure with oil for control of the pests listed on the label. To increase the effectiveness of desiccants, apply 2 gallons of this product per acre in a minimum of 10 gallons of spray per acre. Use is limited to those herbicides/desiccants labeled for Alfalfa Seed desiccation.

Aphid eggs, Pear scales, Red spider mites, Rust mites, San Jose scale — Apply 1 to 2 gallons of this product per acre in 300 to 600 gallons of water per acre or 4 to 6 gallons per acre in a minimum of 20 gallons of spray as a concentrate spray.

Summer Use: Red spider mites — Apply 3 to 4 quarts of this product in 300 to 600 gallons of water per acre as a dilute spray. Summer stages of Brown apricot scales, San Jose scales — Apply 1 gallon of this product in 300 to 600 gallons of water per acre as a dilute spray. Almonds and Apricots Dormant or Delayed-Dormant: European red mite — Apply 4 to 8 gallons of this product in a minimum of 20 gallons of spray per acre. Spring or Summer Use: Brown mite, European red mite, Pacific mite, Two-spotted mites — Apply 1 to 2 gallons of this product in 300 to 600 gallons of water per acre as dilute spray. Apply 4 to 6 gallons of this product per acre in a minimum of 20 gallons of water as concentrate spray. If applied by air, apply at least 4 but no more than 6 gallons of this product per acre in a minimum of 20 gallons of spray.

Plums and Prunes Dormant or Delayed-Dormant: Peach twig borers — Apply 1.5 to 2 gallons of this product per acre in 100 gallons of water. As concentrate spray, apply 6 to 8 gallons of this product per acre in minimum of 20 gallons of water. If applied by air, use 6 to 8 gallons of this product per acre in a minimum of 20 gallons of water.

Use Restrictions on Cherries Only: Do not apply more than 2 gallons per 100 gallons of spray mixture or 2% by volume. DO NOT apply this product in conjunction with azinphos-methyl based insecticides.

APPLES Dormant or Delayed-Dormant: Aphid eggs, Pear scales, Red spider mites, Rust mites, San Jose scale — Apply 1 to 2 gallons of this product per acre in 50 to 200 gallons of water as dilute spray. Dormant (ID, OR, WA): Mites, San Jose scales — Apply 1.5 gallons of this product per acre as dilute spray with Sulfur or Lime sulfur at the label specified rate. As concentrate spray, apply 4 to 6 gallons of this product with Sulfur or Lime sulfur at the label specified rate to total 20 to 100 gallons of spray per acre. Summer Use: European red mites, Pacific mites, Two-spotted mites — Apply 1 to 1.5 gallons of this product per acre in 400 to 800 gallons of water. For concentrate spray, use no more than 4 gallons of this product per acre in minimum 20 gallons of spray. By air, use at least 4 but no more than 6 gallons of this product in minimum 20 gallons of spray per acre.

Use Precaution: Oil plus Sulfur or Lime sulfur can cause severe foliage and fruit bud injury if applied after the dormant period.

AVOCADOS: Bugs, Leafhoppers, Mites, Scales, and Thrips — Apply 1 to 4 gallons of this product per 100 gallons of water in a dilute spray of 400 to 3000 gallons per acre. Do not apply more than 30 gallons of this product per acre per application. For concentrate spray, apply 1 to 18 gallons of this product per acre in 50 to 100 gallons of spray mixture or in enough water for adequate coverage. For aerial application, apply 1 to 18 gallons of this product per acre in 20 to 100 gallons of spray. When application of this product is more than 2% v/v concentration, treat a small area and observe. Allow enough time for symptoms to appear before continuing to spray.

BANANAS, PLANTAINS: Black leaf streak, Sigatoka (Black, Yellow); This product will also lessen Sooty mold fungus and limit its formation by controlling Aphids, Mealybugs, Scale insects, and Whiteflies — Apply 0.5 to 1.5 gallons of this product in 20 to 100 gallons of water per acre. For application by Mist blower, use 1.5 gallons of this product in 6 gallons of water per acre. Begin application when disease or pest first appears and continue every 10 to 15 days during the rainy period or as needed. DO NOT apply when daytime temperatures exceed 80°F (26.6°C) as injury may occur.

Phytotoxicity may be affected by the quantity of oil used, vigor of trees, and temperatures at time of application. Bag fruits or use a directed spray on unbagged fruits to improve crop safety.

BLUEBERRIES, BUSHBERRIES, CANEBERRIES: Aphids, Mealybugs, Mites, Sawfly eggs, Scales, Whiteflies; Powdery mildew, Rust — Apply 0.75 to 1.5 gallons of this product in 100 gallons of water per acre with ground equipment for optimum spray coverage of leaf surfaces. For fungal diseases, use at least 200 psi spray pressure.

BEETS: Aphids, Armymworms, Beetle larvae, Caterpillars, Leafminers, Mites, and Whiteflies; Cercospora leafspots — Apply 1 to 2 gallons of this product in 100 gallons of water per acre.

CITRUS (Citrus spp., Fortunella spp.)

Citron, Grapefruit, Mandarins, Oranges (Navel, Valencia), and Other Citrus spp.: Mealybugs*, Mites, Scales (Black, Brown, Brown soft, California Red, Chaff, Citricola, Glover, Purple, Red, Snow, Yellow), Spider mites (Pacific, Red, Two-spotted), Whiteflies; Sooty mold — Apply 1.2 to 1.4 gallons of this product in 100 gallons of water per acre. Do not exceed a maximum of 159 pounds of active ingredient (22.1 gallons of this product) in a maximum volume of 1500 gallons of spray mix per acre when treating Citrus in Florida or Texas.

Except California

Lemons, Limes: Mealybugs*, Mites (Bud, Flat, Red spider, Rust), Scales (Black, Brown, Brown soft, California Red, Chaff, Citricola, Glover, Purple, Red, Snow, Yellow), Whiteflies; Sooty mold — Apply 1.2 to 1.4 gallons of this product per acre in late Spring and late Summer through December. In Southern California, apply 0.5 to 1.4 gallons of this product per acre throughout the year. Apply in enough water for thorough coverage. As concentrate spray, apply this product in a minimum of 20 gallons of spray per acre.

Use Restrictions: Do not exceed a maximum of 212 pounds of active ingredient (29.5 gallons of this product) in a maximum volume of 2000 gallons of spray mix per acre when treating Citrus in California. Do not exceed a maximum of 159 pounds of active ingredient (22.1 gallons of this product) in a maximum volume of 1500 gallons of spray mix per acre when treating Citrus in Florida or Texas.

Except California

All Citrus Varieties: Use this product as an adjuvant with a suitable insecticide or miticide. Do not exceed 0.4% v/v concentration. Do not use this product when freezing temperatures are expected within 24 hours of application. Precautions should be taken when combining this product with certain insecticides and miticides due to possible increased phytotoxicity when applied over the foliage. Consult an Agricultural Extension Service agent for recommendations on special combinations.

COCOA: Bugs, Leafhoppers, Leafroller, Scales, Thrips; Sigatoka — Apply 1 to 2 gallons of this product in 100 gallons of water per acre. Use as needed.

COFFEE: Coffee borer, Green scale — Apply 3 to 6 gallons of this product in 100 gallons of water per acre. Use water only as a diluent.

Use Restriction: Do not apply more than 6 gallons of this product per acre in one application.

CORN: Aphids, Beetle larvae, Caterpillars, Leafminers, Mites, and Whiteflies — Apply 1 to 2 gallons of this product in 100 gallons of water per acre.

Whiteflies — Apply 1 to 2 gallons of this product in 100 to 200 gallons of water per acre.

On Corn, this product may also be used in combination with atrazine in accordance with the directions for use given on the atrazine product label.

Summer through December. In Southern California, apply 0.5 to 1.4 gallons of this product per acre throughout the year. Apply in enough water for thorough coverage. As concentrate spray, apply this product in a minimum of 20 gallons of spray per acre.

Use Restrictions: Do not exceed a maximum of 212 pounds of active ingredient (29.5 gallons of this product) in a maximum volume of 2000 gallons of spray mix per acre when treating Citrus in California. Do not exceed a maximum of 159 pounds of active ingredient (22.1 gallons of this product) in a maximum volume of 1500 gallons of spray mix per acre when treating Citrus in Florida or Texas.

*Except California

DAMOIL Page 3 of 6
Use 3 gallons of this product per 100 gallons of water for severe infestation. Apply 4 to 6 gallons of this product in a minimum of 50 gallons of spray as a concentrate spray per acre.

**GRAPES**

**Dormant:*** Mealybugs — Apply 4 to 6 gallons of this product in 200 to 300 gallons of spray solution per acre. If applied in tank-mixure with another insecticide, use 1 to 2 gallons of this product in 200 to 300 gallons of water per acre to control Mealybugs. As a concentrate spray, apply 1 to 2 gallons of this product per acre with an appropriate insecticide in enough water for thorough coverage.

**Dormant and Summer Use**: Leafhoppers, Leafminers, Mites, Scale insects, Whiteflies; Botrytis, Powdery mildew - Apply as dilute spray using 0.75 gallons of this product in 100 gallons of water at 100 to 500 gallons of water per acre. As concentrate spray, use 1 to 3 gallons of this product per acre in minimum 50 gallons of water per acre. Use as needed. **Use Precautions**: This product can temporarily affect surface boom appearance, but will not cause subsurface injury. DO NOT apply this product within 2 days of harvest of Grapes intended for fresh market for suppression of Leafhopper or Mites.

**GRASSES GROWN FOR SEED (BLUEGRASS, FESCUES, ORCHARDGRASS, PERENNIAL RYEGRASS)**: Mites; Powdery mildew, Rust — Apply 1 to 2 gallons per acre in a minimum of 10 gallons of water per spray. Initiate sprays in late Spring or early Fall when Powdery mildew and Rust pustules are noticeable. Continue sprays every 14 to 21 days.

**GREENHOUSES, CONTAINERS, AND INTERIORSCAPES**

Use once a week initially. As the pest is controlled, decrease the frequency to every 2 to 3 weeks as needed. Some plants are more sensitive to oil treatment if any of the following conditions are present at the time of application: High humidity (74%), an overcast or cloudy day, inadequate air flow, a small greenhouse where the sunlight is magnified causing a fast build up of temperature and light intensity. Ageratum crown of thorns, Dieffenbachia, Ferns, Ficus, Lianthus, Orchids, Palms, Petunia, Poinsettia, Scheflera, Sunflower Summer (Foliar or Cover): Aphids, Fungus gnats, Leafminers, Mealybugs, Scales (hard, soft), Spider mites, Thrips, Whiteflies — Apply 0.5 to 1 gallon of this product in 100 to 200 gallons of water per acre. Due to varietal differences in response to a treatment of this product at the labeled rate, conduct a small test on 1 or 2 plants of the specific variety to be treated.

Aglonia, Aster, Azaleas, Begonias, Brownia, Camellias, Carnations, Celosia, Chrysanthemum, Coleus, Cosmos, Crepe myrtle, Dusty miller, Easter lily, Fuchsia, Gardenias, Gerbera, Hibiscus, Hydrangea, Ilex, Jade plant, Lillies, Marigold, Mums, New Guinea impatiens, Nicotonia, Philodendron, Portulaca, Reiger begonias, Rhododendron, Roses, Snapdragons, Vines, Zinnias Summer (Foliar or Cover): Aphids, Fungus gnats, Leafminers, Mealybugs, Scales (hard, soft), Spider mites, Thrips, Whiteflies; Powdery mildew, Rusts — Apply 1 to 2 gallons of this product in 100 to 200 gallons of water per treatment to varietal differences in response to a treatment of this product at the labeled rate, conduct a small test on 1 or 2 plants of the specific variety to be treated.

Leaf Polish for Hardy Plants Summer (Foliar or Cover): Apply 1 gallon of this product in 100 gallons of water. Water upper and lower sides of leaf until fully covered.

**HOPS**:

Aphids, Leafrollers, Mites, Scales, Whiteflies; Powdery mildew — Apply 1 to 2 gallons of this product in 100 gallons of water per acre. Begin application at early leaf stage and repeat at 10 to 14 day intervals. Discontinue use application at Burr development.

**KIWI**:

Aphids, Mites, Scales (Greedy, Latania, Oleander, San Jose) — Apply 4 to 6 gallons of this product in minimum of 100 gallons of water per acre. Use the 6 gallon rate when pest populations are high.

**MACADAMIA**:

Bugs, Leafhoppers, Leafminers, Scales, Thrips, Sigatoka — Apply 1 to 2 gallons of this product in 100 gallons of water per acre. Use as needed.

**MANGOS**:

Mites; Powdery mildew — Apply 1 to 1.5 gallons of this product in a minimum of 100 gallons of water per acre.

**OLIVES**:

Aphids, Black scales, Mites, Oleander scales, Olive scales, Parlatoria scales, Spider mites — Apply 1.5 gallons of this product in 400 to 500 gallons of water per acre. Apply in pre-bloom or in post-bloom up to bushkotch and post-harvest.

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

Ageratum, Azalea, Camellion, Fuchsia, Geranium, Hibiscus, Iris, Lily, Orchids, Rhododendron, Vines: Aphids, Fungus gnats, Leafminers, Mealybugs, Mites, Scales, Thrips, Whiteflies; Powdery mildew, Rust — Apply this product at 1 to 2 gallons of water as needed.

Chrysanthemum, Diffenbachiya, Philodendron, Poinsettia: Leafminers, Mealybugs, Mites, Scale insects, Whiteflies; Black spot, Powdery mildew — Apply 1 to 2 ounces per gallon. Use Albitz ATR nozzles, lilac color or their equivalent. Apply weekly or every two weeks depending on level of pest infestation, from 20 to 100 gallons of dilute spray- emulsion per acre, depending on plant size. Spray to the point of runoff. Vary quantity of spray applied by changing the number of nozzles used, not by changing pressure, speed of spray or nozzle size.

**Christmas Trees Winter**:

Aphids, Adelgids, Scales (soft and hard; immature), Spider mites — Apply in 2 to 4 gallons of this product as needed. **Summer**:

Aphids, Adelgids, Scales (soft and hard; immature), Spider mites — Apply 1 to 3 gallons of this product as needed. Do not apply more than 0.02 gallon (2.56 fl. oz.) per gallon of water per application using ground equipment during the Winter period.

**Flower and Foliage Plants (including Roses and other flowering shrubs)** Winter Dormant Period: Aphids, Adelgids, Bugs (immature), Caterpillars, Eriophyid mites, Gall mites, Lace bugs, Leaf beetle larvae, Leafminers, Mealybugs, Psylids (immature), Sawfly larvae, Scales (immature), Spider mites, Whiteflies (immature) — Apply this product at 2 to 3 gallons as needed. **Summer**:

Aphids, Adelgids, Bugs (immature), Caterpillars, Eriophyid mites, Gall mites, Lace bugs, Leaf beetle larvae, Leafminers, Mealybugs, Psylids (immature), Sawfly larvae, Scales (immature), Spider mites, Whiteflies (immature) — Apply this product at 2 to 4 gallons as needed. **Plant Restrictions**: See 'Plant Restrictions' section below for use precautions.

**Ornamentals (Foliage and Bedding Plants) Winter Dormant Period**:

Aphids, Bugs (immature), Caterpillars, Eriophyid mites, Gall mites, Lace bugs, Leaf beetle larvae, Leafminers, Mealybugs, Psylids (immature), Sawfly larvae, Scales (immature), Spider mites, Whiteflies (immature) — Apply this product at 2 to 3 gallons as needed. **Summer**:

Aphids, Adelgids, Bugs (immature), Caterpillars, Eriophyid mites, Gall mites, Lace bugs, Leaf beetle larvae, Leafminers, Mealybugs, Psylids (immature), Sawfly larvae, Scales (immature), Spider mites, Whiteflies (immature) — Apply this product at 2 to 4 gallons as needed. **Shade Trees and Shrubs** including Broadleaf evergreens, Conifers, Deciduous and Woody ornamentals Winter Dormant Period:

Aphids, Bugs (immature), Caterpillars, Eriophyid mites, Gall mites, Lace bugs, Leaf beetle larvae, Leafminers, Mealybugs, Psylids (immature), Sawfly larvae, Scales (immature), Spider mites, Whiteflies (immature) — Apply this product at 2 to 4 gallons as needed. **Summer**:

Aphids, Adelgids, Bugs (immature), Caterpillars, Eriophyid mites, Gall mites, Lace bugs, Leaf beetle larvae, Leafminers, Mealybugs, Psylids (immature), Sawfly larvae, Scales (immature), Spider mites, Whiteflies (immature) — Apply this product at 2 to 4 gallons as needed. **Plant Restrictions**: See 'Plant Restrictions' section below for use precautions.

**Plant Restrictions**: Oil removes the glaucous (blue) bloom from such Evergreens as Colorado blue spruce and Koster spruce. Do not spray on Walnut foliage. Always use lower dosage or test spray oil sensitive plants such as Chamaecypinis, Cryptomeria, Japanese holly, Juniper, Smoke tree, and Spruce. Tendency toward sensitivity: Douglas fir and Red cedar. Use with precaution and reduce dosage for dormant application on Red bud and Sugar maple. Do not spray when buds have fully opened and shoot elongation is occurring. Do not use on Conifers or Ferns not tolerant to oil sprays. In California, limit the use of this product to American red oak, Cornelian cherry, Crabapple, Dogwood, Japanese black pine, Purple leaf plum, Weeping cherry. Keep sprays away from open blooms; bleaching and spotting has been observed with the open blooms of certain plants. Do not apply this product where there is obvious moisture deficit in leaves or plant is under stress. Do not apply this product more than 4 times during the growing season. Allow at least a 2-week interval between applications to the same plants. For Fall dormant applications, reduce the rate to 2 gallons of this product.

**PAPAYA**:

Mites; Papaya ringspot virus, Powdery mildew — Apply 0.75 to 1 gallon of this product in minimum of 100 gallons of water per acre.

**PEANUT**: Aphids, Beetle larvae, Leafhoppers, Leafminers, Mites, Thrips, Whiteflies; Powdery mildew — Apply 1 to 2 gallons of this product in 100 gallons of water per acre. Use as needed.
PEARS Dormant or Delayed-Dormant: Aphids (eggs), Codling moth*, European fruit lecanium scales, European red mites (eggs), Olive scales, Pear scales, Red spider mites, San Jose scales — Apply 1 to 2 gallons of this product in 50 to 200 gallons of water per acre. As concentrate spray, use 3 to 8 gallons of this product in minimum of 50 gallons of water per acre. Dormant or Delayed-Dormant: Fruit tree leafrollers, Pear leaf blister mites — Use 1 to 3 gallons of this product in 100 gallons of water at 100 to 800 gallons of water per acre as dilute spray. As concentrate spray, use 3 to 12 gallons of this product in minimum of 50 gallons of water per acre. Delayed-Dormant: Pear psylla — Apply 2 gallons of this product in 50 to 200 gallons of water per acre. As concentrate spray, apply 4 to 6 gallons in a minimum of 20 gallons of spray per acre. Delayed-Dormant and Fall Spray: Black mites — Apply 2 gallons of this product.

Summer Foliar or Cover: Aphids, Mealybugs, Scale crawlers, Spider mites, Whiteflies — Use 1 to 3 gallons of this product in 100 gallons of water at 50 to 300 gallons of water per acre. Spray every 2 to 3 weeks depending on pest pressure.

STRAWBERRIES: Aphids, Mites, Sawflies, Scales, Whiteflies; Powdery mildew, Rusts — Use 0.75 to 1.5 gallons of this product in 100 gallons of water at 100 to 200 gallons of water per acre. Spray at no less than 400 psi using ceramic spray nozzles (Albuz® ATR, lilac color or their equivalent).

SUGAR BEETS: Aphids, Armyworms, Leafhoppers*, Leafminers, Mites, Whiteflies; Cercospora leafspots* — Apply 0.75 to 2 gallons of this product in minimum 10 gallons of water per acre. Using ground equipment, spray for optimum coverage of leaf surfaces. For fungal diseases use at least 200 psi spray pressure. Use as needed.

TOBACCO: Aphids, Beetle Larvae, Leafhoppers, Leafminers, Mites, Thrips, Whitefly — Apply 0.75 to 1 gallon of this product per 100 gallons of water per acre.

VEGETABLES & MISCELLANEOUS CROPS

Asparagus, Beans, Cucurbits, Peppers, Squash, and Tomatoes: Aphids, Beetle larvae, Caterpillars, Leafhoppers, Leafminers, Mites, Thrips, Whiteflies; Powdery mildew — Apply 0.75 to 2 gallons of this product in 100 gallons of water per acre.

Tomatoes: Armyworm*, Fruit worm*, Horn worm*, Lygus bug*, Slink bug*, Tomato pinworm*, Tomato psyllid*; Alternaria leafspot, Cucumber mosaic virus, Gummy stem blight, Papaya ringspot virus, Pepper mottle virus*, Potato leafroll virus*, Potato virus Y*, Tobacco etch virus*, Rust, Watermelon mosaic virus 2*, Zucchini yellow mosaic virus* — Use 0.75 to 1.5 gallons per 100 gallons of water. Apply at 25 to 150 gallons of water per acre once or twice weekly depending on the rapid growth of the crop and/or vector pressure. When using to control insect transmitted diseases, use higher pressure (100 psi) and ceramic hollow cone nozzle.

*Except California

Balsam apple, Balsam pear, Bitter melon, Broccoli, Broccoli raab, Brussels sprouts, Cabbage, Cantaloupe, Casaba, Cauliflower, Cavalo broccoli, Celery, Chayote, Chinese broccoli, Chinese cabbage (Bok choy and Napa), Chinese cucumber, Chinese mustard cabbage (Gai choy), Chinese okra, Chinese waxgourd, Citron melon, Collards, Crenshaw melon, Cucumber, Cucuzza, Dasheen (Taro), Eggplant, Gherkin, Golden pershaw melon, Hechima, Honeydew melon, Hyotan, Japanese radish (Daikon), Kale, Kohlrabi, Lettuce, Mango melon, Melons, Mizuna, Mustard greens, Mustard spinach, Okra, Peas, Persian melon, Potatoes, Pumpkin, Radish, Ripe greens, Sweet potatoes, True cantaloupe, Watermelon, Winter squash: Aphids, Beetle larvae, Caterpillars, Leafhoppers, Leafflower, Loopers*, Mites, Thrips, Whiteflies; Alternaria leafspot, Gummy stem blight, Powdery mildew, Rust — Apply 0.75 to 1.5 gallons of this product per acre in 50 to 100 gallons of water.

Cucumber mosaic virus, Papaya ringspot virus, Pepper mottle virus, Potato virus Y, Tobacco etch virus. Watermelon mosaic virus 2, Zucchini yellow mosaic virus — Apply 0.75 gallons in 50 to 100 gallons of water per acre. Spray once or twice weekly depending on growth of crop and/or vector pressure. When using to control insect transmitted diseases, use higher pressure (100 psi) and ceramic hollow cone nozzle.

*Except California

Chinese artichoke*: Japanese artichoke*: Aphids, Beetle larvae, Caterpillars, Leafhoppers, Leafminers, Mites, Pepper psyllids, Thrips, Whiteflies; Alternaria leafspot, Cucumber mosaic virus, Gummy stem blight, Papaya ringspot virus, Pepper mottle virus, Potato leafroll virus, Potato virus Y, Powdery mildew, Rust, Tobacco etch virus, Watermelon mosaic virus 2, Zucchini yellow mosaic virus — Apply 1 to 2 gallons in minimum 50 gallons of water per acre. Spray once or twice weekly depending on the growth of the crop and/or vector pressure. When used to control insect transmitted diseases, use higher pressure (minimum 100 psi) and ceramic hollow cone nozzles. For fungal diseases, use at least 200 psi spray pressure.

*Except California

Garlic*, Leeks*, Onions (Dry bulb and Green)*, Shallots*: Leafminers, Maggot flies, Mites, Thrips — Apply 0.5 to 1.5 gallons of this product per 20 gallons minimum of water. Make applications when pests appear and repeat as necessary to maintain control.

DAMOIL Page 5 of 6
This product may be used with other registered insecticides such as pyrethroids to improve control of Thrips. Follow all label precautions and directions for use on other registered insecticides.

Except California
Miscellaneous Crops
Cilantro*, Mexican oregano*, Mint**: Aphids, Beetle larvae, Caterpillars, Leafhoppers, Leafminers, Mites, Pepper psyllids, Thrips, Whiteflies; Alternaria leafspot, Cucumber mosaic virus, Gummy stem blight, Papaya ringspot virus, Pepper mottle virus, Potato leafroll virus, Potato virus Y, Powdery mildew, Rust, Tobacco etch virus, Watermelon mosaic virus 2, Zucchini yellow mosaic virus — Apply 1 to 2 gallons of this product in minimum 50 gallons of water per acre. Spray once or twice weekly depending on the growth of the crop and/or vector pressure. When using to control insect transmitted diseases, use higher pressure (minimum 100 psi) and ceramic hollow cone nozzles.

Except California
Ginger*, Ginseng*, Herbs and Spices (Curly leaf basil, Lemon balm)*: Aphids, Beetle larvae, Caterpillars, Leafhoppers, Leafminers, Mites, Thrips, Whiteflies; Alternaria leafspot, Cucumber mosaic virus, Gummy stem blight, Papaya ringspot virus, Pepper mottle virus, Potato leafroll virus, Potato virus Y, Powdery mildew, Rust, Tobacco etch virus, Watermelon mosaic virus 2, Zucchini yellow mosaic virus — Apply 0.75 to 1.5 gallons in 50 to 100 gallons of water per acre. Spray once or twice weekly depending on the growth of the crop and/or vector pressure. When using to control insect transmitted diseases, use higher pressure (minimum 100 psi) and ceramic hollow cone nozzles.

WALNUTS Late Spring to Mid-Summer Only: Summer stages of European fruit scales, Frosted scales, Red spider mites, San Jose scale, and other Soft-shelled scales — Apply 0.5 to 1 gallon of this product.

Delayed-Dormant: Black, Calico, European fruit lecanium scales, Frosted, Olive, Red spider mite eggs, San Jose scale, and Walnut aphid eggs — Apply 2 gallons of this product in 300 to 500 gallons of water per acre. Spider mites — Apply 4 gallons of this product per acre in 200 to 400 gallons of water on fully expanded leaves as foliar spray. As concentrate spray, for Delayed-Dormant and foliar sprays, apply in a minimum of 40 gallons of water per acre. As an adjuvant for neutral copper compounds for control of Walnut blight in pre- and post-bloom sprays: Apply 1 quart of this product per 100 gallons of water as a dilute spray. Follow dosages and timing on the copper product label.

Use Precautions: Use this product only on trees that have not suffered from lack of moisture or other stressing factors during the growing season. Do not apply when soil moisture is low. Do not apply after husk splits.

STORAGE AND DISPOSAL
Do not contaminate water, food or feed by storage, disposal or cleaning of equipment.

PESTICIDE STORAGE: Store under lock and key in a ventilated room and secure from access by unauthorized persons and children. Store in a cool, dry area away from any heat or ignition source. Do not stack over 2 pallets high. Move containers by handles or cases. Do not move containers from one area to another unless they are securely sealed. Keep container tightly sealed when not in use. Keep container away from any puncture source. Avoid storage near water supplies, food, feed and fertilizer to avoid contamination.

Store in original containers only. If the contents are leaking or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Nonrefillable Container (rigid material; less than 5 gallons): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container one-fourth full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank for later use or disposal. Drain for 10 seconds after the flow begins to drip. This rinsing procedure two more times. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Nonrefillable Container (rigid material; 5 gallons up to < 250 gallons): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container one-fourth 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. Empty the rinsate into application equipment or a mix tank for later use or disposal. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Refillable Container (> 250 gallons & Bulk): 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% 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. Dispose of empty container in a sanitary landfill or by incineration, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

STORAGE AND DISPOSAL (Cont.)
CONTAINER HANDLING:

WARRANTY—CONDITIONS OF SALE
OUR DIRECTIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the Seller. To the extent consistent with applicable law, Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. To the extent consistent with applicable law, in no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.