

[279-2820]

ENVIRONMENTAL AND DISPOSAL CAUTIONS

This product is toxic to fish and wildlife. Keep out of lakes, ponds and streams. Birds feeding on treated areas may be killed. Do not contaminate water by cleaning of equipment, or disposal of wastes and containers. Shrimp and crab may be killed at application sites recommended on this label. Do not apply where these are important resources.

This product is toxic to bees and should not be applied when bees are actively visiting the area. Do not apply when weather conditions favor drift from the areas treated. Do not apply when run-off is likely to occur. Do not use in a manner or at a time other than in accordance with label directions because animal, plant or crop injury, illegal residues or other undesirable results may occur.

Do not reuse empty 2 and 5 gallon containers. Destroy them by perforating or crushing. Return drum to reconditioner or destroy it by perforating or crushing. Bury or discard in a safe place away from water supplies.

Do not use if material does not emulsify. Do not use or store near heat or open flame. Do not store at temperatures below 0° F.

Not for use or storage in or around the home.

For Emergency Assistance Call 716-735-3765

DIRECTIONS FOR USE

Apply the listed amount per acre when insects first appear and repeat as required to maintain effective control. Use in sufficient water for thorough coverage with dilute or concentrate sprayers, unless otherwise noted for listed crops. Coverage of upper and lower leaf surfaces is essential for good control. Observe use limitations. If insect control is required beyond the following use patterns, supplement the control program with other suitable pesticides. When applying this material by aircraft, mix the recommended amount with sufficient water to provide a minimum of 1 gallon finished spray per acre. Where more than 2 quarts are recommended mix with sufficient water to provide a minimum of finished spray equal to twice the amount of Ethion 8 EC used. Do not use in undiluted form. Observe days interval between last application and harvest indicated by number in () following the crop.

GRAPEFRUIT (0), LEMON (2), LIMES (2), ORANGES (0), TANGELOS (0), TANGERINES (0): Citrus Red Mite, Citrus Rust Mite, Six-spotted Mite, Black Scale, Brown Soft Scale, California Red Scale, Purple Scale, Yellow Scale, Chaff Scale, Glover Scale, and Citrus Whitefly. For Mites use 4 to 6 pints per acre. For Scales and Citrus Whitefly use 4 to 6 fluid ounces per 100 gallons of water combined with 1 to 2 gallons kerosene oil (West Coast). For Whitefly, apply shortly after eggs have been laid. Do not apply more than 2000 gallons spray per acre. With concentrate sprayers apply in 50 to 100 gallons of spray per acre. Citrus Thrips (California and Arizona only) Use 2 1/2 to 3 pints per acre. Apply when Thrips first appear and before they exceed 2 to 3 Thrips per leaf. Do not apply more than once per season on lemons and limes. On grapefruit, oranges, tangelos and tangerines do not apply within 90 days of previous application. On tangerines do not apply more than twice per crop. Do not apply within 3 weeks of a sulfur application.

103W

Manufactured in U.S.A. By

Agricultural Chemical Division

MIDDLEPORT, N.Y. YAKIMA, WA
FRESNO, CA RICHMOND, CA

CODE
31217

Net Contents
Gallons

ETHION 8 EC

INSECTICIDE-MITICIDE

EPA REGISTRATION NO. 279 2820 AA

ACTIVE INGREDIENT:

*Ethion

INERT INGREDIENTS:

BY WT
81.90%
18.10%
100.00%

*O,O,O',O'-Tetraethyl S,S'-methylene bisphosphorodithioate
Contains 8 pounds Ethion per gallon.

U.S. Patent No. 2,873,128

DANGER

KEEP OUT OF REACH OF CHILDREN

DANGER Poisonous If Swallowed, Inhaled or Absorbed Through Skin! Do not breathe vapor or spray mist. Do not get in eyes, on skin or on clothing. In case of contact wash immediately with water, for eyes flush with plenty of water and get medical attention. Wear a mask or respirator of a type approved by the U.S. Bureau of Mines for Ethion protection. Do not store near food or feed products. Wash hands, arms and face thoroughly with soap and water before eating or smoking. Wash all contaminated clothing with soap and hot water before re-use.

FIRST AID

Call a Physician Immediately! If Swallowed: Give a tablespoon of table salt in a glass of warm water. Repeat until vomiting occurs and vomitus is clear. Never induce vomiting in an unconscious person. If breathing has stopped, start artificial respiration immediately and maintain until doctor sees victim. **If In Eyes:** Flush eye for 15 minutes with plenty of water. **If On Skin or Clothing:** In case of contact immediately flush skin or eyes with water for at least 15 minutes while removing contaminated clothing and shoes.

ANTIDOTE

Note to Physician: Active ingredient is a cholinesterase inhibitor. Patient should be kept under observation for 48 hours. Atropine is antidotal. Give 4 mg atropine sulfate intramuscularly or intravenously. Repeat every 15 minutes until patient is fully atropinized. Do not give morphine.

GRAPES (30): Grape pints per acre. When more than two times limit on the number of applications per season.

ALMONDS (Dormant): 100 gallons dormant oil per 100 gallons water. Apply during Two-Spotted Mite period. Do not apply more than 2 times per acre are used.

APPLES (Dormant): Scale 4-8 fluid ounces second viscosity per acre. Spotted Spider Mite during the fruiting period if making no more than 2 applications, wait 20 days of 5 pints per acre no more than 2 days thereafter until (Brite Mac), Wealth before Early McIntosh.

BEANS (Succulent): 4 to 8 fluid ounces per acre. Do not apply more than once per acre.

CHERRIES: Black Cherry 100 gallons water.

FILBERTS: Aphids, Do not apply when fruit is present.

CUCUMBERS (0), 0 ounces per acre.

MELONS (0): Melon Leafhopper 34 to 100 gallons dormant oil per 100 gallons water (California only).

NECTARINES, PEACHES: 3 gallons dormant oil per 100 gallons water.

NECTARINES (30), 3 ounces per 100 gallons dormant oil per 100 gallons water.

Net Contents Gallons

BY WT.
81.93%
18.10%
100.00%

GRAPES (30): Grape Leafhopper, Two-Spotted Mite, Willamette Mite (West Coast insects) — Use 1 to 2 1/2 pints per acre. When used at rates of 1 1/4 pints per acre or less, do not apply within 30 days of harvest or more than twice during the fruiting period; or do not apply within 60 days of harvest with a limit on the number of applications per season. At rates above 1 1/4 pints per acre, make only 1 application per season. Do not apply to Salvador, Muscat or Fehr Szago varieties of grapes.

ALMONDS (Dormant or Delayed Dormant): Brown Mite, European Red Mite — 6 fluid ounces plus 1 to 2 gallons dormant oil per 100 gallons water. Olive Scale — 8 fluid ounces plus 3 gallons dormant oil per 100 gallons water. San Jose Scale — 4 to 6 fluid ounces plus 2 gallons dormant oil per 100 gallons water. Apply during dormant or delayed dormant period. **FOLIAR:** Brown Mite, European Red Mite and Two-Spotted Mite — Use 1 1/2 to 2 1/2 pints per acre. By ground, apply a minimum of 200 gallons of water per acre; by air, a minimum of 15 gallons of water per acre. At 1 1/4 to 2 pints per acre, do not apply more than once during the fruiting period nor within 30 days of harvest. When 2 to 2 1/2 pints per acre are used, do not apply after husks split.

APPLES (Dormant or Delayed Dormant): Apple Aphid, European Red Mite, Rosy Apple Aphid, San Jose Scale — 4.8 fluid ounces plus 2 gallons dormant oil per 100 gallons water. (Superior type oil of 60 to 70 second viscosity preferred for delayed dormant use). **Summer:** Brown Mite, European Red Mite, Two-Spotted Spider Mite — Use 1 1/4 pint per 100 gallons of water (Maximum of 2 1/2 pints per acre). Apply during the fruiting period. If making no more than 4 applications, wait 40 days before harvest; if making no more than 3 applications, wait 30 days before harvest; if making no more than 2 applications, wait 20 days before harvest. Codling Moth — Use 1/2 pint per 100 gallons of water, maximum of 5 pints per acre. If making no more than 4 applications, wait 60 days before harvest; if making no more than 2 applications, wait 40 days before harvest. Apply at petal fall and every 10 to 14 days thereafter until control is achieved. Do not use ethion on Astrachen, Pratt, Malba, N. J. No. 3 (Brute Mac), Wealthy, Williams Red, Red Williams', Yellow Transparent or any variety maturing with or before Early McIntosh as injury is likely to occur.

BEANS (Succulent and Dry) (2): Bean Leaf Beetle, Mexican Bean Beetle, Two Spotted Spider Mite — 4 to 8 fluid ounces per acre. Potato Leafhopper — 8 fluid ounces per acre. (4); Lygus Bugs — 1 pint per acre. Do not feed treated foliage to livestock.

CHERRIES: Black Cherry Aphid, San Jose Scale — 4 to 6 fluid ounces plus 2 gallons dormant oil per 100 gallons water. Apply during dormant or delayed dormant period.

FILBERTS: Aphids, Mites — 1 1/4 quarts per acre. Do not apply more than twice during fruiting period. Do not apply when nuts is visible. Do not graze livestock in treated groves.

CUCUMBERS (0), SUMMER SQUASH (0): Serpentine Leafminer, Two-Spotted Spider Mite — 8 fluid ounces per acre.

MELONS (0): Melon Leafminer, Serpentine Leafminer, Two-Spotted Spider Mite — 1/2 pint per acre. Melon Leafhopper 3/4 to 1 pint per acre in a minimum of 5 gallons of water per acre by ground. Petrobia Mite (California only) — 1/2 to 1 pint in a minimum of 10 gallons of water per acre.

NECTARINES, PEACHES (Dormant or Delayed Dormant): Brown Mite, European Red Mite — 6 fluid ounces plus 1 to 2 gallons dormant oil per 100 gallons water. Olive Scale — 8 fluid ounces plus 3 gallons dormant oil per 100 gallons water. San Jose Scale — 4 to 6 fluid ounces plus 2 gallons dormant oil per 100 gallons water. Do not apply on Nectarines after foliage or edible parts start to form.

NECTARINES (30), PEACHES (30): Brown Mite, European Red Mite, Two Spotted Spider Mite — 4 fluid ounces per 100 gallons water or 1 1/4 to 1 3/4 pints per acre. Do not apply more than twice during fruiting period.

PEARS. (Dormant or Delayed Dormant): Brown Mite, European Red Mite, San Jose Scale — 6 fluid ounces plus 1 to 2 gallons dormant oil per 100 gallons water. **Summer:** Brown Mite, European Red Mite, Two-Spotted Spider Mites — Use 1 1/2 to 2 1/2 pints per 100 gallons of water (Maximum of 2 1/2 pints per acre). Do not make more than 3 applications after the first cover spray nor apply within 30 days of harvest or do not make more than 2 applications after the first cover spray nor apply within 20 days of harvest. Pear Psylla — Use 1 1/4 to 1 1/2 pint per 100 gallons of water (Maximum of 5 pints per acre). Apply 1/2 before bloom if insects are present. Repeat 30 days later if necessary. Do not make more than 3 applications after the first cover spray nor apply within 60 days of harvest.

PECANS: Aphids and Mites — Use 2 1/2 pints per acre. Do not apply more than twice during the fruiting period. Do not apply after husks split. Do not graze livestock in treated groves.

PLUMS, PRUNES (Dormant or Delayed Dormant): Brown Mite, European Red Mite, Leaf Curl Plum Aphid, Mealy Plum Aphid — 6 fluid ounces plus 1 to 2 gallons dormant oil per 100 gallons water. Olive Scale — 8 fluid ounces plus 3 gallons dormant oil per 100 gallons water. San Jose Scale — 4 to 6 fluid ounces plus 2 gallons dormant oil per 100 gallons water. **Summer:** Brown Mite, European Red Mite, Two-Spotted Spider Mite — Use 1 1/4 pint per 100 gallons of water, maximum of 1 3/4 pints per acre. Do not make more than 3 applications during the fruiting period nor apply within 21 days of harvest. European Fruit Lecanium — Use 1 1/4 pint per 100 gallons of water, maximum of 2 1/2 pints per acre. Do not make more than 2 applications during the fruiting period nor apply within 45 days of harvest.

WALNUTS (Dormant or Delayed Dormant): Overwintering eggs of European Red Mite and Brown Mite, and San Jose Scale and Soft Scale (West Coast only) — Use 2 pints per acre with 2 gallons of a dormant oil in a minimum of 100 gallons of water. This treatment should only be used on trees that have not suffered from lack of moisture at anytime during the growing season. Oil should not be applied to orchards when soil moisture is low. Do not graze livestock in treated groves. **Summer:** European Red Mite, Two-Spotted Mite, Walnut Aphid, and Walnut Husk Fly (California only) — Use 2 1/2 pints per acre. Do not make more than 2 applications during the fruiting period. Do not apply after husks split. Do not graze livestock in treated groves.

STRAWBERRIES (2): Strawberry Leafhopper and Spider Mite — 1 1/4 to 2 pints per acre. Spray plants thoroughly. Continue applications after harvest as required.

TOMATOES (2): Leafminer, Tropical Spider Mite, Two-Spotted Spider Mite — Use 1/2 pint per acre.

WARRANTY: FMC warrants that this product is of the best quality, conforms to the ingredient statement on the label, and is reasonably fit for the purposes set forth in the directions for use EXCEPT AS SO WARRANTED. THE PRODUCT IS SOLD AS IS. FMC MAKES NO OTHER WARRANTY EXPRESS OR IMPLIED.

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