

CODE
362 [279-1518]

ETHION 25 WP

INSECTICIDE

5 LBS.
NET WT.

EPA Reg. No. 279-1518

ACTIVE INGREDIENT:

Ethion (0,0,0',0' Tetraethyl S, S' methylene bisphosphorodithioate) 25.0%

INERT INGREDIENTS: 75.0%

Patent No. 2,873,228 100.0%

WARNING

KEEP OUT OF REACH OF CHILDREN.

For Emergency Assistance Call 714-736-3768

May be fatal if swallowed. Absorbed through skin. Do not breathe vapor, dust or spray mist. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Avoid storage near food and feed products.

ENVIRONMENTAL AND DISPOSAL CAUTIONS

Do not apply to fish, shrimp, crabs, and other aquatic life in lakes, streams, ponds, tidal marshes, or other bodies of water. Do not apply where runoff is likely to occur. Do not apply in weather conditions favoring drift from areas where application is made. Clean water by cleaning of equipment, and disposal of waste. Apply this product only as specified on the label.

Do not apply to bees and should not be applied to areas where bees are actively visiting the area.

Dispose of equipment and DISPOSE OF WASTES by burying in deep pits or pits away from water supplies. Container should be disposed of by burying with wastes or by burning. Keep out of reach of children.

DIRECTIONS FOR USE

Apply when insects first appear and repeat as required to obtain effective control. Coverage of both upper and lower surfaces of leaves is essential for good control. Observe label directions. If insect control is required beyond the label directions, patterns, supplement the control program with other suitable pesticides. Observe days interval between applications and harvest indicated by number of days after harvest. Do not use in undiluted form.

FRUITS

APPLE (40): Apple Rust Mite, European Red Mite, Pear Rust Mite, Two-spotted Spider Mite - 1 pound per 100 gallons of water, 5 to 10 pounds per acre. Apply at petal fall and repeat 10 to 14 days thereafter until control is achieved. Do not exceed 3 applications during fruiting period.

GRAPE (30): Grape Leafhopper, Two-spotted Mite, Williamsite Mite - One pound per 100 gallons of water, 3 to 5 pounds per acre. Two applications during the fruiting period. Do not apply to Salvador, Muscat and Fehr-Szag varieties as injury may occur.

NECTARINES (30), PEACHES (30): Clover (Brown Almond) Mite, European Red Mite, Two-spotted Spider Mite - 1 pound per 100 gallons of water, 5 to 7 pounds per acre. Parlatoria (Olive) Scale - 1 pound plus 1 gallon summer oil per 100 gallons water, or 4 to 6 pounds plus 4 to 6 gallons summer oil per acre. Do not apply more than twice during fruiting period.

CHERRY: Clover (Brown Almond) Mite, European Red Mite, Pear Rust Mite, Two-spotted Spider Mite - 1 pound per 100 gallons of water, 5 to 10 pounds per acre. Use as a post-harvest treatment only.

GRAPE (30): Grape Leafhopper, Two-spotted Mite, Williamsite Mite - One pound per 100 gallons of water, 3 to 5 pounds per acre. Two applications during the fruiting period. Do not apply to Salvador, Muscat and Fehr-Szag varieties as injury may occur.

NECTARINES (30), PEACHES (30): Clover (Brown Almond) Mite, European Red Mite, Two-spotted Spider Mite - 1 pound per 100 gallons of water, 5 to 7 pounds per acre. Parlatoria (Olive) Scale - 1 pound plus 1 gallon summer oil per 100 gallons water, or 4 to 6 pounds plus 4 to 6 gallons summer oil per acre. Do not apply more than twice during fruiting period.

NECTARINES: Thrips - 2 lbs. plus 5 lbs. Kolospray per 100 gals. water. Do not apply after start of petal fall.

PEAR (60): Codling Moth - 2 pounds per 100 gallons of water, 10 to 20 lbs. per acre. Apply at petal fall and every 10 to 14 days thereafter until control is achieved. Pear Psylla - 1 1/2 to 2 pounds per 100 gallons of water, 8 to 20 pounds per acre. Do not exceed 3 applications after the first cover spray.

PEAR (30): Clover (Brown Almond) Mite, European Red Mite, Pear Rust Mite, Two-spotted Spider Mite - 1 pound per 100 gallons of water, 5 to 10 pounds (8 to 10 for Rust Mite) per acre. Do not exceed 3 applications after the first cover spray.

PLUMS (21), PRUNES (21): Clover (Brown Almond) Mite, European Red Mite, Two-spotted Spider Mite - 1 pound per 100 gallons of water, 5 to 7 pounds per acre. Do not exceed 3 applications during the fruiting period.

PLUMS (45), PRUNES (45): European Fruit Lecanium - 1 1/2 pounds per 100 gallons of water, 7 to 10 pounds per acre. Do not exceed 2 applications during fruiting period.

STRAWBERRY (2): Strawberry Leaf Roller - 4 lbs. per acre. Two-spotted Spider Mite - 2 lbs. per acre.

GRAPEFRUIT (0), LEMONS (21), LIMES (21), ORANGES (0), TANGELOS (0), TANGERINES (0): Citrus Red Mite, Citrus Rust Mite, Six-spotted Mite, Texas Citrus Mite, Black Scale, Brown Soft Scale, California Red Scale, Chaff Scale, Florida Red Scale, Glover Scale, Purple Scale, Snow Scale, Yellow Scale, Citrus Whitefly. For Mites - Use 1 to 1.5 pounds per 100 gallons of water. For Mites, Scales, and Citrus Whitefly - Use 1.5 pounds per 100 gallons of water combined with 0.5 to 0.7% summer oil (Florida and Texas areas) or 1 to 1.5 pounds per 100 gallons of water combined with 1 to 2 gallons summer oil (West Coast). Where Snow Scale is a problem, spray trunk, limbs and twigs thoroughly. For Whitefly - Apply shortly after Whiteflies have laid their eggs.

Do not apply more than 2000 gals. of spray per acre. On lemons and limes do not spray more than once per season.

VEGETABLES

BEANS (SUCCULENT AND DRY) (4): Lygus Bugs - 4 lbs. per acre. Do not feed treated bean foliage to live stock.

BEANS (SUCCULENT AND DRY) (2): Potato Leafhopper - 1 lb. per acre. Bean Leaf Beetle, Mexican Bean Beetle, Two-spotted Spider Mite - 1 lb. per acre. Do not feed treated bean foliage to livestock.

BEAN SEED TREATMENT: Seed Corn Maggot - Use 4 lbs. of 4 ounces per 100 pounds of seed. Mix and apply to seed as a slurry treatment. Combine with a suitable fungicide for seed treatment if desired. Do not use treated seed for food, feed or oil purposes.

CUCUMBER (0), SUMMER SQUASH (0): Serpentine Leaf Miner, Two-spotted Mite - 2 lbs. per acre.

EGGPLANT (0): Two-spotted Mite - 1 to 2 lbs. per acre.

MELONS (0): Melon Leaf Miner, Serpentine Leaf Miner, Two-spotted Spider Mite - 2 lbs. per acre. Melon Leaf hopper - 3 to 4 lbs. per acre.

ONION SEED TREATMENT: Onion Maggot - Treat seed according to the number of feet of row planted per acre. On upland soil mix 4 lbs. with the amount of seed to be planted in 1 acre of rows 12 inches apart. Mix 3 lbs. with the amount of seed to be planted in 1 acre of rows 18 inches apart, and 2 lbs. on seeds to be planted in 1 acre rows 24 inches apart. On muck or heavy-type soil increase dosage by 50 to 100 percent.

PEPPER (0), PIMENTO (0): Serpentine Leaf Miner - 1 lb. per acre. Two-spotted Mite - 1 to 2 lbs. per acre.

TOMATOES (2): Tropical Mite, Two-spotted Spider Mite, Leaf Miner - 2 lbs. per acre.

OTHER CROPS

ALMONDS (30): Clover (Brown Almond) Mite, European Red Mite, Two-spotted Spider Mite - 1 lb. per 100 gallons of water, 5 to 8 lbs. per acre. Do not exceed 1 application during fruiting period.

CHESTNUTS FILBERTS PECANS: Aphids, Mites - 1 lb. per acre. Do not exceed 2 applications during fruiting period. On chestnuts and pecans, do not apply after husk split. On filberts do not apply when nut is visible. Do not graze livestock in treated groves.

WALNUTS: European Red Mite, Two-spotted Spider Mite, Walnut Aphid, Walnut Husk Fly - 6 to 10 pounds per acre. Do not exceed 2 applications during the fruiting period. Do not apply after husk split. Do not graze livestock in treated groves.

COTTON: Cotton Leafworm - Use 2 lbs. in sufficient water to treat one acre. Do not apply after bolls open. Do not graze dairy or meat animals in treated fields. Workers entering treated fields within 24 hours of application should wear protective clothing.

ORNAMENTALS (Out-of-door): Two-spotted Spider Mite - 1 lb. per 100 gals. Application to Anderson Yew may cause some needle drop.

Avoid storage near food and food products

ENVIRONMENTAL AND DISPOSAL CAUTIONS

Do not apply to fish, shrimp, crabs, and other aquatic life. Do not apply to streams, ponds, tidal marshes, or other water bodies where runoff is likely to occur. Do not apply in conditions favor drift from areas where water is being cleaned. Do not apply to waterways. Apply this product only as specified.

Do not apply to bees and should not be applied to bees visiting the area.

Do not apply to plants and DISPOSE OF WASTES by burying in a hole 6 inches deep away from water supplies. Container should be disposed of by burying with wastes or by burning. Keep away from children.

DIRECTIONS FOR USE

Apply when insects first appear and repeat as required to maintain effective control. Coverage of both 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. Observe days interval between last application and harvest indicated by number in parentheses following crop. Do not use in undiluted form.

FRUITS

APPLE (40): Apple Rust Mite, Clover (Brown Almond) Mite, European Red Mite, Two-spotted Spider Mite - 1 pound per 100 gallons of water, 8 to 10 pounds per acre. Do not exceed 4 applications during fruiting period.

APPLE (30): Apple Rust Mite, Clover (Brown Almond) Mite, European Red Mite, Two-spotted Spider Mite - 1 pound per 100 gallons of water, 8 to 10 pounds per acre. Do not exceed 3 applications during fruiting period.

APPLE (20): Apple Rust Mite, Clover (Brown Almond) Mite, European Red Mite, Two-spotted Spider Mite - 1 pound per 100 gallons of water, 8 to 10 pounds per acre. Do not exceed 2 applications during fruiting period.

Do not use on Astrachen, Davey, Duchess, Margaret Pratt, Melba, Wealthy, Williams Red (Red Williams), Yellow Transparent or any varieties maturing at or before early McIntosh apples as injury is likely to occur.

Do not apply more than 2,000 gallons water, or 4 to 6 pounds plus 4 to 6 gallons summer oil per acre. Do not apply more than twice during fruiting period.

NECTARINES: Thrips - 2 lbs. plus 5 lbs. Kolospray per 100 gals. water. Do not apply after start of petal fall.

PEAR (60): Codling Moth - 2 pounds per 100 gallons of water, 10 to 20 lbs. per acre. Apply at petal fall and every 10 to 14 days thereafter until control is achieved. Pear Psylla - 1½ to 2 pounds per 100 gallons of water, 8 to 20 pounds per acre. Do not exceed 3 applications after the first cover spray.

PEAR (30): Clover (Brown Almond) Mite, European Red Mite, Pear Rust Mite, Two-spotted Spider Mite - 1 pound per 100 gallons of water, 5 to 10 pounds (8 to 10 for Rust Mite) per acre. Do not exceed 3 applications after the first cover spray.

PLUMS (21), PRUNES (21): Clover (Brown Almond) Mite, European Red Mite, Two-spotted Spider Mite - 1 pound per 100 gallons of water, 5 to 7 pounds per acre. Do not exceed 3 applications during the fruiting period.

PLUMS (45), PRUNES (45): European Fruit Lecanium - 1½ pounds per 100 gallons of water, 7 to 10 pounds per acre. Do not exceed 2 applications during fruiting period.

STRAWBERRY (2): Strawberry Leaf Roller - 4 lbs. per acre. Two-spotted Spider Mite - 2 lbs. per acre.

GRAPEFRUIT (0), LEMONS (21), LIMES (21), ORANGES (0), TANGELOS (0), TANGERINES (0): Citrus Red Mite, Citrus Rust Mite, Six-spotted Mite, Texas Citrus Mite, Black Scale, Brown Soft Scale, California Red Scale, Chaff Scale, Florida Red Scale, Glover Scale, Purple Scale, Snow Scale, Yellow Scale, Citrus Whitefly. For Mites - Use 1 to 1.5 pounds per 100 gallons of water. For Mites, Scales, and Citrus Whitefly - Use 1.5 pounds per 100 gallons of water combined with 0.5 to 0.7% summer oil (Florida and Texas areas) or 1 to 1.5 pounds per 100 gallons of water combined with 1 to 2 gallons summer oil (West Coast). Where Snow Scale is a problem, spray trunk, limbs and twigs thoroughly. For Whitefly - Apply shortly after Whiteflies have laid their eggs.

Do not apply more than 2000 gals. of spray per acre. On lemons and limes do not apply more than once per season. On tangerines do not apply more than twice per season. On grapefruit, oranges, tangelos, and tangerines do not repeat applications within 90 days of the previous treatment. Do not apply oil within 3 weeks of a sulfur application. Do not use oil on navel oranges.

CALIFORNIA AND ARIZONA ONLY: Citrus Thrips - 10 to 12 lbs. per acre. Apply when thrips first appear and before they exceed 2 to 3 thrips per leaf. Yuma Spider Mite (on Grapefruit, Oranges, and Lemons) - 1.4 lbs. per 100 gals. water. Use 12 lbs. per acre. May add up to 5 gals. light medium spray oil per acre. Do not apply more than 2,000 gals. spray per acre. Do not apply more than once per season on lemons and limes, on other citrus fruits, do not apply within 90 days of previous application. On tangerines, do not apply more than twice per crop. Do not apply oil within 3 weeks of a sulfur application. Do not use oil on navel oranges.

MELONS (0): Melon Leaf Miner, Serpentine Leaf Miner, Two-spotted Spider Mite - 2 lbs. per acre. Melon Leaf hopper - 3 to 4 lbs. per acre.

ONION SEED TREATMENT: Onion Maggot. Treat according to the number of feet of row planted per acre. On upland soil mix 4 lbs. with the amount of seed to be planted in 1 acre of rows 12 inches apart. Mix 3 lbs. with the amount of seed to be planted in 1 acre of rows 18 inches apart, and 2 lbs. on seeds to be planted in 1 acre of rows 24 inches apart. On muck or heavy-type soil increase dosage by 50 to 100 percent.

PEPPER (0), PIMENTO (0): Serpentine Leaf Miner - 2 lbs. per acre. Two-spotted Spider Mite - 1 to 2 lbs. per acre.

TOMATOES (2): Tropical Mite, Two-spotted Spider Mite, Leaf Miner - 2 lbs. per acre.

OTHER CROPS

ALMONDS (30): Clover (Brown Almond) Mite, European Red Mite, Two-spotted Spider Mite - 1 lb. per 100 gallons of water, 5 to 8 lbs. per acre. Do not exceed 1 application during fruiting period.

CHESTNUTS, FILBERTS, PECANS: Aphids, Mites - 1 lb. per acre. Do not exceed 2 applications during fruiting period. On chestnuts and pecans, do not apply after husk split. On filberts do not apply when nut is visible. Do not graze livestock in treated groves.

WALNUTS: European Red Mite, Two-spotted Spider Mite, Walnut Aphid, Walnut Husk Fly - 6 to 10 pounds per acre. Do not exceed 2 applications during the fruiting period. Do not apply after husk split. Do not graze livestock in treated groves.

COTTON: Cotton Leafworm - Use 2 lbs. in sufficient water to treat one acre. Do not apply after bolls open. Do not graze dairy or meat animals in treated fields. Workers entering treated fields within 24 hours of application should wear protective clothing.

ORNAMENTALS (Out-of-doors): Two-spotted Spider Mite - 1 lb. per 100 gals. Application to Anderson Yew may cause some needle drop.

SORGHUM (grown for seed and grain): Sorghum Midge, Sorghum Mite - 1 to 2 lbs. per acre. Do not exceed 3 applications. Do not harvest or feed forage within 30 days after treatment. Some leaf burning may occur on phosphate sensitive varieties.

FMC Chemicals

Printed in U.S.A.

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FMC CORPORATION

AGRICULTURAL CHEMICAL DIVISION

MIDDLEPORT, N. Y. 14106