

Ethion 25 Wettable



ACCEPTED
239-1318
NOV 21 1977

UNDER THE FEDERAL PESTICIDE
FUNGICIDE AND MOLLUSCIDICIDE ACT
FOR ECONOMIC POISON REGISTRATION
ED UNDER NO. 239-1318



ORTHO

(INSECTICIDE)

Active Ingredient Ethion 25%
Inert Ingredients 75%
*O,O,O'-Tetraethyl S,S'-methylene bisphosphorodithioate
U.S. Pat. No. 2,873,228

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH WARNINGS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

KEEP PESTICIDE IN ORIGINAL CONTAINER. DO NOT PUT CONCENTRATE OR DILUTE INTO FOOD OR DRINK CONTAINERS. BURN BAG IMMEDIATELY WHEN EMPTY. STAY OUT OF SMOKE.
Spray thoroughly covering both upper and lower leaf surfaces when insects first appear and repeat as necessary unless otherwise specified. For timing of application, consult your State Agricultural Experiment Station. This product is for use in ground sprayers.

ALMONDS: Brown Almond Mite, European Red Mite, Two-Spotted Mite—1 lb. per 100 gals. water (5 to 8 lbs. per acre). Do not apply more than once during fruiting period. Do not apply within 30 days of harvest. Do not graze livestock in treated groves.

APPLES: Codling Moth—2 lbs. per 100 gals. water (16 to 20 lbs. per acre). Not more than 4 applications during fruiting period. Do not apply within 60 days of harvest. If additional control measures are needed after first application, use another suitable insecticide. If no more than 2 applications are made, do not apply within 40 days of harvest. European Red Mite, Two-Spotted Mite, Brown Almond Mite (Clover Mite)—1 lb. per 100 gals. water (8 to 10 lbs. per acre). Do not make more than 4 applications during fruiting period. Do not apply within 30 days of harvest. If no more than 3 applications are made, do not apply within 20 days of harvest. Do not use on Astrachan, Davey, Duchess, Margaret Pratt, Melba, Wealthy, Williams Red (Red Williams), Yellow Transparent or any variety maturing before Early McIntosh, as injury may result.

BEANS (Success and Dry): Mexican Bean Beetle, Bean Leaf Beetle, Two-Spotted Mite—1 to 2 lbs. per acre in water to cover. Do not apply within 2 days of harvest. Lygus Bugs—4 lbs. per acre in water to cover. Do not apply within 4 days of harvest. Do not feed treated bean foliage to livestock.

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

CHERRIES: Brown Almond Mite, European Red Mite, McDaniel Mite, Two-Spotted Spider Mite—1 lb. per 100 gals. water (6 to 10 lbs. per acre). Post-harvest only.

COTTON: Cotton Leaf Worm—2 lbs. per acre in water to cover. WESTERN AREAS—Spider Mites, Lygus Bugs and Other Mites—4 to 6 lbs. per acre in water to cover. Do not apply to cotton after bolls open. Do not graze dairy or meat animals in treated fields. Workers entering treated fields

NET WEIGHT 5 POUNDS

Chevron Chemical Company
Ortho Division/San Francisco CA 94119 Richmond, CA 94804
Product 2804 Made in U.S.A.
R Form 6808-1

EPA Reg. No. 239-1318-AA

within 24 hours should wear protective clothing.
EGGPLANTS: Two-Spotted Mite—1 to 2 lbs. per acre in water to cover.
GRAPES: WESTERN STATES—Grape Leafhopper, Two-Spotted Spider Mite, Willow Mite—1 lb. per 100 gals. water (3 to 5 lbs. per acre). Not more than 2 applications during fruiting. Do not apply to grapes within 30 days of harvest.
CITRUS (Grapefruit, Lemons, Limes, Oranges, Tangelos, Tangerines): Citrus Red Mite, Citrus Rust Mite, Six-Spotted Mite, Texas Citrus Mite—1 to 1½ lbs. per 100 gals. water. Mites Listed Above Plus Black Scale, Chaff Scale, Florida Red Scale, Glover Scale, Purple Scale, Snow Scale, Yellow Scale, Brown Soft Scale, California Red Scale, Citrus Whitefly—West Coast: 1 to 1½ lbs. ORTHO Ethion 25 Wettable plus 1 to 2 gals. of an ORTHO Summer oil to 100 gals. water. Florida-Texas Areas: 1½ lbs. ORTHO Ethion 25 Wettable plus ½ to 1 gal. summer oil per 100 gals. water. Apply for Control of Black Scale, Glover Scale and Snow Scale from June 1 to July 15 in Florida and Texas and where Snow Scale is a problem, spray trunk, limbs and twigs thoroughly. ALL CITRUS TREATMENTS—Do not apply to kumquats and citrus citron. Do not apply more than 2000 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 within 21 days of harvest on lemons and limes. Do not apply oil within 3 weeks of a sulfur application. Do not use oil on navel oranges. When spraying for Mites only, oil may be omitted. Apply when mites appear. For Whitefly, apply shortly after adults have laid their eggs.
MELON: Melon Leafhopper—3 to 4 lbs. per acre in water to cover. Melon Leaf Miner, Serpentine Leaf Miner, Two-Spotted Mite—2 lbs. per acre in water to cover.
ONIONS: Onion Maggot—Seed Treatment—Treat seed according to the number of feet of row to be planted per acre. On upland soil, mix 4 lbs. with amount of seed to be planted in 1 acre or rows 12" apart, 3 lbs.

STOP
DO NOT TAKE INTERNALLY
DO NOT INHALE
DO NOT GET ON SKIN
KEEP OUT OF REACH OF CHILDREN

WARNING: May be fatal if swallowed. Absorbed through skin. Do not breathe dust or spray. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling.
Note to Physicians: Emergency Information—call (415) 233-3737. Atropine is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine.
Do not store or transport near feed or food. Workers entering fields within 24 hours of treatment should wear protective clothing. Do not feed treated forage or threshings to dairy animals or animals being finished for slaughter. Do not use on forage to be sold commercially or shipped interstate. Use of this material in a manner or at a time other than in accordance with the directions may produce plant injury, excessive residues or other undesirable results. Do not apply under conditions involving possible drift to food, forage or other plantings that might be damaged or the crops thereof rendered unfit for sale, use or consumption.
This product is toxic to fish, birds and other wildlife. Keep out of lakes, ponds and streams. Do not apply in any manner not specified on the label. This product is toxic to bees and should not be applied when bees are visiting the area.

where rows are 18" apart, 2 lbs. where rows are 24" apart. In muck or heavy-type soils increase dosage 1½ to 2 times.

PEACHES, NECTARINES: European Red Mite, Two-Spotted Mite, Brown Almond Mite, Parlatoria (Olive) Scale—1 lb. ORTHO Ethion 25 Wettable plus 1 gal. of an ORTHO summer oil per 100 gals. water or 4 to 6 lbs. ORTHO Ethion 25 Wettable plus 4 to 6 gals. of an ORTHO summer oil per acre. Apply in spring at time of overwintering egg hatch. Peaches—Do not make more than 2 applications during fruiting period and do not apply within 30 days of harvest. For Mites only, omit oil. Nectarines—Do not apply after edible parts begin to form. **NECTARINES:** Thrips—2 lbs. plus 4 lbs. FLOTOX Wettable Sulfur per 100 gals. water. Do not apply after start of petal fall.

PEARS: EASTERN AREAS—Codling Moth—2 lbs. per 100 gals. water (10 to 20 lbs. per acre). Apply at petal-fall and in cover sprays as required. Pear Psylla—1½ to 2 lbs. per 100 gals. water (8 to 20 lbs. per acre). If insects are present apply just prior to bloom and again 30 days later if necessary. European Red Mite, Two-Spotted Mite, Brown Almond Mite (Clover Mite)—1 lb. per 100 gals. water (5 to 10 lbs. per acre). WESTERN AREAS—Codling Moth—2 lbs. per 100 gals. water (10 to 15 lbs. per acre.) Apply at petal fall and in cover sprays as required. Pear Psylla—Use 1½ to 2 lbs. per 100 gals. water (8 to 12 lbs. per acre). Apply during first and second cover sprays. European Red Mite, Two-Spotted Mite, Brown Almond Mite (Clover Mite)—1 lb. per 100 gals. water (5 to 7 lbs. per acre). NOTE: Do not make more than 3 applications after first cover. Do not apply within 60 days of harvest for Codling Moth and Pear Psylla. Do not apply within 30 days of harvest for European Red Mite, Two-Spotted Mite and Brown Almond Mite. If control of any pest is required beyond this period, use a suitable pesticide.

PEPPERS, PIMENTOS: Serpentine Leaf Miner—2 lbs. per acre in water to cover. Two-Spotted Mite—1 to 2 lbs. per acre in water to cover.

PLUMS, PRUNES: European Red Mite, Two-Spotted Mite, Brown Almond Mite (Clover Mite)—1 lb. per 100 gals. water (5 to 7 lbs. per acre). Not more than 3 applications during fruiting period. Do not apply within 21 days of harvest. European Fruit Lecanium Scale—1½ lbs. per 100 gals. water (7 to 10 lbs. per acre). Do not make more than 2 applications during fruiting period. Do not apply within 45 days of harvest.

STRAWBERRIES: Two-Spotted Mite, Strawberry Leaf Miner—2 to 4 lbs. per acre. Spray plants thoroughly. Continue applications after harvest as required. Do not apply within 2 days of harvest.

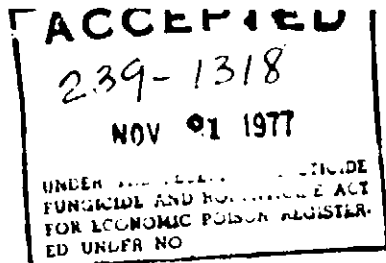
TOMATOES: Tropical Mite, Two-Spotted Mite, Leaf Miner—2 lbs. per acre in water to cover. Do not apply within 2 days of harvest.

WALNUTS: European Red Mite, Two-Spotted Mite, Brown Almond Mite, Walnut Aphid, Walnut Husk Fly—6 to 10 lbs. per acre in water to cover. Do not apply after husk-split. Do not make more than 2 applications during the fruiting period. Do not graze livestock in treated groves.

CONDITIONS OF SALE: 1. Chevron Chemical Company (Chevron) warrants that this material conforms to the chemical description on the label and is reasonably fit for use as directed hereon. Chevron neither makes, nor authorizes any agent or representative to make, any other warranty of FITNESS or of MERCHANTABILITY, guarantee or representation, express or implied, concerning this material.

2. Critical and unforeseeable factors beyond Chevron's control prevent it from eliminating all risks in connection with the use of chemicals. Such risks include, but are not limited to, damage to plants and crops to which the material is applied, lack of complete control, and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit for the uses stated hereon and even though label directions are followed. Buyer's user acknowledgment and assume all risks and liability (except those assumed by Chevron under 1 above) resulting from handling, storage, and use of this material.

Ethion 25 Wettable



ORTHO

(INSECTICIDE)

Active Ingredient: Ethion[®]
Inert Ingredients: O,O,O'-Tetraethyl S,S'-methylene bisphosphorodithioate
U.S. Pat. No. 2,673,725

By Wt:
25%
75%

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH WARNINGS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

KEEP PESTICIDE IN ORIGINAL CONTAINER. DO NOT PUT CONCENTRATE OR DILUTE INTO FOOD OR DRINK CONTAINER. BURN BAG IMMEDIATELY WHEN EMPTY. STAY OUT OF MOULDS. Spray thoroughly covering both upper and lower leaf surfaces when insects first appear and repeat as necessary. For timing of application, consult your State Agricultural Experiment Station. This product is for use in ground sprayers.

ALMONDS: Brown Almond Mite, European Red Mite, Two Spotted Mite—1 lb. per 100 gals. water (5 to 8 lbs. per acre). Do not apply more than once during fruiting period. Do not apply within 30 days of harvest. Do not graze livestock in treated groves.

APPLES: Codling Moth—2 lbs. per 100 gals. water (10 to 15 lbs. per acre). Not more than 4 applications during fruiting period. Do not apply within 60 days of harvest. If additional control measures are needed after first application, use another suitable insecticide. If no more than 2 applications are made, do not apply within 40 days of harvest. **European Red Mite, Two-Spotted Mite, Brown Almond Mite (Clover Mite)**—1 lb. per 100 gals. water (8 to 10 lbs. per acre). Do not make more than 4 applications during fruiting period. Do not apply within 40 days of harvest. If no more than 3 applications are made, do not apply within 30 days of harvest. Do not use on Astrachan, Davey, Duchess, Margaret, Pratt, Meba, Wealthy, Williams Red (Red Williams), Yellow Transparent or any variety maturing before Early McIntosh, as injury may result.

BEANS (Succulent and Dry): Mexican Bean Beetle, Bean Leaf Beetle, Two-Spotted Mite—1 to 2 lbs. per acre in water to cover. Do not apply within 2 days of harvest. **Lygus Bugs**—4 lbs. per acre in water to cover. Do not apply within 4 days of harvest. Do not feed treated bean foliage to live stock.

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

CHERRIES: Brown Almond Mite, European Red Mite, McDaniel Mite, Two-Spotted Spider Mite—1 lb. per 100 gals. water (6 to 10 lbs. per acre). Post-Harvest only.

COTTON: Cotton Leaf Worm—2 lbs. per acre in water to cover. **WESTERN AREAS—Spider Mites, Lygus Bugs and Other Mirids**—4 to 6 lbs. per acre in water to cover. Do not apply to cotton after bolls open. Do not graze dairy or meat animals in treated fields. Workers entering treated fields

within 24 hours should wear protective clothing.

EGGPLANTS: Two Spotted Mite—1 to 2 lbs. per acre in water to cover.
GRAPES: WESTERN STATES—Grape Leafhopper, Two-Spotted Spider Mite, Willamette Mite—1 lb. per 100 gals. water (3 to 5 lbs. per acre). Not more than 2 applications during fruiting. Do not apply to grapes within 30 days of harvest.

CITRUS (Grapefruit, Lemons, Limes, Oranges, Tangelos, Tangerines): Citrus Red Mite, Citrus Rust Mite, Six-Spotted Mite, Texas Citrus Mite—1 to 1 1/2 lbs. per 100 gals. water. **Mites Listed Above Plus Black Scale, Chaff Scale, Florida Red Scale, Glover Scale, Purple Scale, Snow Scale, Yellow Scale, Brown Soft Scale, California Red Scale, Citrus Whitefly—West Coast:** 1 to 1 1/2 lbs. ORTHO Ethion 25 Wettable plus 1 to 2 gals. of an ORTHO Summer oil to 100 gals. water. **Florida-Texas Areas:** 1 1/2 lbs. ORTHO Ethion 25 Wettable plus 1 to 1 gal. summer oil per 100 gals. water. Apply for Control of Black Scale, Glover Scale and Snow Scale from June 1 to July 15 in Florida and Texas and where Snow Scale is a problem, spray trunk limbs and twigs thoroughly. **ALL CITRUS TREATMENTS:** Do not apply to kumquats and citrus citron. Do not apply more than 2000 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 within 21 days of harvest on lemons and limes. Do not apply oil within 3 weeks of insecticide application. Do not use on insecticides when spraying for Mites only, oil may be omitted. Apply when mites appear. For Whitefly, apply shortly after adults have laid their eggs.

MELON: Melon Leafhopper—3 to 4 lbs. per acre in water to cover. **Melon Leaf Miner, Serpentine Leaf Miner, Two-Spotted Mite**—2 lbs. per acre in water to cover.

ONIONS: Onion Maggot—Seed Treatment. Treat seed according to the number of feet of row to be planted per acre. On upland soil, mix 4 lbs. with amount of seed to be planted in 1 acre or rows 12' apart. 3 lbs.



DO NOT TAKE INTERNALLY

DO NOT INHALE

DO NOT GET ON SKIN

KEEP OUT OF REACH OF CHILDREN

WARNING: May be fatal if swallowed. Absorbed through skin. Do not breathe dust or spray mist. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling.

Note to Physicians: Emergency information: call (415) 331-3337. Atropine is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine.

Do not store or transport near feed or food. Workers entering fields within 24 hours of treatment should wear protective clothing. Do not feed treated forage or freshening to dairy animals or animals being finished for slaughter. Do not use on forage to be sold commercially or shipped interstate. Use of this material in a manner or at a time other than in accordance with the directions may produce plant injury, excessive residues or other undesirable results. Do not apply under conditions involving possible drift to food, forage or other plantings that might be damaged or the crops thereof rendered unfit for sale, use or consumption.

This product is toxic to fish, birds and other wildlife. Keep out of lakes, ponds and streams. Do not apply in any manner not specified on the label.

This product is toxic to bees and should not be applied when bees are visiting the area.

when rows are 18' apart. 2 lbs. where rows are 24' apart. In muck or heavy type soils, increase dosage 1 1/2 to 2 times.

PEACHES, NECTARINES: European Red Mite, Two-Spotted Mite, Brown Almond Mite, Parlatoria (Olive) Scale—1 lb. ORTHO Ethion 25 Wettable plus 1 gal. of an ORTHO summer oil per 100 gals. water or 4 to 6 lbs. ORTHO Ethion 25 Wettable plus 4 to 6 gals. of an ORTHO summer oil per acre. Apply in spring at time of overwintering egg hatch. **Peaches:** Do not make more than 2 applications during fruiting period and do not apply within 30 days of harvest. For Mites only, omit oil. **Nectarines:** Do not apply after edible parts begin to form. **NECTARINES: Thrips**—2 lbs. plus 4 lbs. FUTOX Wettable Sulfur per 100 gals. water. Do not apply after start of petal fall.

PEARS: EASTERN AREAS—Codling Moth—2 lbs. per 100 gals. water (10 to 15 lbs. per acre). Apply at petal fall and in cover sprays as required. **Pear Psylla**—1 1/2 to 2 lbs. per 100 gals. water (8 to 20 lbs. per acre). If insects are present, apply just prior to bloom and again 33 days later if necessary. **European Red Mite, Two-Spotted Mite, Brown Almond Mite (Clover Mite)**—1 lb. per 100 gals. water (5 to 10 lbs. per acre). **WESTERN AREAS—Codling Moth**—2 lbs. per 100 gals. water (10 to 15 lbs. per acre). Apply at petal fall and in cover sprays as required. **Pear Psylla**—1 1/2 to 2 lbs. per 100 gals. water (8 to 17 lbs. per acre). Apply during first and second cover sprays. **European Red Mite, Two-Spotted Mite, Brown Almond Mite (Clover Mite)**—1 lb. per 100 gals. water (5 to 7 lbs. per acre). **NOTE:** Do not make more than 3 applications after first cover. Do not apply within 60 days of harvest for Codling Moth and Pear Psylla. Do not apply within 30 days of harvest for European Red Mite, Two-Spotted Mite and Brown Almond Mite. If control of any pest is required beyond this period, use a suitable pesticide.

PEPPERS, PIMENTOS: Serpentine Leaf Miner—2 lbs. per acre in water to cover. **Two-Spotted Mite**—1 to 2 lbs. per acre in water to cover.

PLUMS, PRUNES: European Red Mite, Two-Spotted Mite, Brown Almond Mite (Clover Mite)—1 lb. per 100 gals. water (5 to 7 lbs. per acre). Not more than 3 applications during fruiting period. Do not apply within 21 days of harvest. **European Fruit Lecanium Scale**—1 1/2 lbs. per 100 gals. water (7 to 10 lbs. per acre). Do not make more than 2 applications during fruiting period. Do not apply within 45 days of harvest.

STRAWBERRIES: Two-Spotted Mite, Strawberry Leaf Roller—2 to 4 lbs. per acre. Spray plants thoroughly. Continue applications after harvest as required. Do not apply within 2 days of harvest.

TOMATOES: Tropical Mite, Two-Spotted Mite, Leaf Miner—2 lbs. per acre in water to cover. Do not apply within 2 days of harvest.

WALNUTS: European Red Mite, Two-Spotted Mite, Brown Almond Mite, Walnut Aphid, Walnut Husk Fly—6 to 10 lbs. per acre in water to cover. Do not apply after husk split. Do not make more than 2 applications during the fruiting period. Do not graze livestock in treated groves.

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2. Critical and unforeseeable factors beyond Chevron's control prevent it from eliminating all risks in connection with the use of chemicals. Such risks include, but are not limited to, damage to plants and crops to which the material is applied, lack of complete control and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit for the uses stated hereon and even though label directions are followed. Buyer and user acknowledge and assume all risks and liability (except those assumed by Chevron under 1 above) resulting from handling, storage, and use of this material.

NET WEIGHT 5 POUNDS

Chevron Chemical Company

Ortho Division, San Francisco, CA 94119 Richmond, CA 94804

Product 2834 Made in USA

R Form 6809 J

EPA Reg. No. 239-1313-AA