

ACCEPTED

8-29-72

# ETHION 4 MISCIBLE MITICIDE - INSECTICIDE

## ACTIVE INGREDIENTS:

*Ethion (0, 0, 0'-0-tetraethyl S,S'-	46.5%
ethylene bisphosphorodithio-	
Xylene	45.0%

## INERT INGREDIENTS:

8.5%
Total 100%

\*Contains 4 pounds of Ethion per gallon.

EPA REG. NO. 2749-261  
NET CONTENTS 1 GAL.

## WARNING: KEEP OUT OF REACH OF CHILDREN

MAY BE FATAL IF SWALLOWED, ABSORBED THROUGH SKIN. DO NOT BREATHE VAPOR OR SPRAY MIST. AVOID CONTACT WITH SKIN, EYES AND CLOTHING. WASH THOROUGHLY AFTER HANDLING. AVOID STORAGE NEAR FOOD AND FEED PRODUCTS.

### USAGE CAUTIONS

DO NOT USE IF MATERIAL DOES NOT EMULSIFY. WORKERS ENTERING TREATED FIELDS WITHIN 24 HOURS SHOULD WEAR PROTECTIVE CLOTHING. DO NOT USE OR STORE NEAR HEAT OR OPEN FLAME. DO NOT STORE AT TEMPERATURES BELOW 0° F.

THIS PRODUCT IS TOXIC TO FISH AND WILDLIFE. KEEP OUT OF ANY BODY OF WATER. BIRDS FEEDING ON TREATED AREAS MAY BE KILLED. APPLY THIS PRODUCT ONLY AS SPECIFIED ON THIS LABEL.

THIS PRODUCT IS TOXIC TO BEES AND SHOULD NOT BE APPLIED WHEN BEES ARE ACTIVELY VISITING THE AREA.

RINSE EQUIPMENT AND CONTENTS AND DISPOSE OF WASTES BY BURYING AT LEAST 18 INCHES DEEP IN NON-CROP LANDS AWAY FROM WATER SUPPLIES. DO NOT REUSE CONTAINERS; SMASH OR PERFORATE AND BURY WITH WASTES.

DO NOT ALLOW THIS MATERIAL TO DRIFT ONTO NEIGHBORING CROPS OR NON-CROP AREAS OR 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.

### 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, unless otherwise noted for listed crops. 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 ( ) following the crop.

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 two quarts are recommended mix with sufficient water to provide a minimum of finished spray equal to twice the amount of ETHION MISCIBLE used. Do not use in undiluted form.

BEANS (SUCCULENT & DRY) (2); Bean Leaf Beetle, Mexican Bean Beetle, Two-spotted Spider Mite - 0.5 to 1 pt. per acre. Potato Leafhopper - 1 pt. per acre. Do not feed treated foliage to livestock.

BEAN (SUCCULENT & DRY) (4); Lygus Bugs - 1 qt. per acre. Do not feed treated foliage to livestock.

CORN, FIELD (50); Pacific Spider Mite, Two-spotted Spider Mite - 1 qt. per acre. Do not make more than 1 application after ear formation. Do not feed treated fodder to livestock.

COTTON: Aphids - 1 to 2 pts. per acre. Cotton Leafworm - 1 pt. per acre. Spider Mites - 0.5 to 1 pt. per acre. Spider Mites, Lygus bugs and other Mirids on West Coast only - 2 to 3 pts. per acre. Do not apply after bolls open. Do not graze dairy or meat animals in treated fields.

CUCUMBERS (0), SUMMER SQUASH (0): Serpentine Leaf Miner, Two-spotted Spider Mite - 1 pt. per acre.

EGGPLANT (0): Two-spotted Spider Mite - 0.5 to 1 pt. per acre.

MELONS (0): Melon, Leaf Miner, Serpentine Leaf Miner, Two-spotted Spider Mite - 1 pt. per acre. Melon Leafhopper - 1.5 to 2 pts. per acre. Petrobia Mite (California only) - 1 to 2 pts. in a minimum of 10 gals. water per acre.

PEPPER (0), PIMENTO (0); Serpentine Leaf Miner - 1 pt. per acre. Two-spotted Spider Mite - 0.5 to 1 pt. per acre.

SORGHUM (30): Sorghum Midge, Sorghum Mite - 0.5 to 1.0 pt. per acre. For Midge, apply at first bloom and repeat 4-10 days later. Do not utilize for forage within 30 days of treatment. Do not apply more than 3 times per season. Some leaf burning may occur on phosphate-sensitive varieties.

STRAWBERRY (2); Strawberry Leaf Roller, Two-spotted Spider Mite - 1 pt. per 100 gals.; 1-2 pts. per acre. Spray plants thoroughly. Continue application after harvest as required.

TOMATOES (2): Leaf Miner, Tropical Spider Mite, Two-spotted Spider Mite - 1 pt. per acre.

APPLES: Apple Aphid, European Red Mite, Rosy Apple Aphid, San Jose Scale - 0.6 pts. plus 2 gals. dormant oil per 100 gals. water. Apply during dormant or delayed dormant period. ("Superior" type oil of 60-70 second viscosity preferred for delayed dormant use).

CHERRIES: Black Cherry Aphid, San Jose Scale - 1/2 to 3/4 pt. plus 2 gals. dormant oil per 100 gals. water. Apply during dormant or delayed dormant period. ("Superior" type oil of 60-70 second viscosity preferred for delayed dormant use).

GRAPEFRUIT (0), LEMONS (21), LIMES (21), ORANGES (0), TANGÉLOS (0), TANGERINES (0): To control; 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 0.5 to 0.75 pts. in 100 gals. water. For Mites, Scales and Citrus Whitefly, use 0.75 pt. per 100 gals. water combined with 0.5 to 7% summer oil (Florida and Texas areas) or 0.5 to 0.75 pt. per 100 gals. water combined with 1-2 gals. summer oil (West Coast). Where snow scale is a problem, spray trunks, limbs and twigs thoroughly. For Whitefly, apply shortly after whiteflies have laid their eggs.

DO NOT APPLY more than once. NOT APPLY with DO NOT APPLY weeks of a sulfur

NECTARINES, Mite, European Mite, Mealy Plum Aphid dormant oil per 1 3 gals. dormant oil plus 2 gals. dormant period. ("Superior" delayed dormant form.

NECTARINES (European Red Mite water or 2.5 - 3.0 fruiting period.

PEARS: Clover Scale - 3/4 pt. during dormant or 60-70 second vi

ORNAMENTALS Use 10 fl. ozs. in space. Wear mask protection.

ORNAMENTALS per 100 gals. May

TURF (Commercial 0.5 pt. per 1,000 2.5 pts. in 100 g use 1.75 to 2.5 g the spray penetr help: to have the

CAUTION: Keep material has been completely dried



Manufactured for:

ACETO CHEMICAL CO., INC.  
AGRICULTURAL CHEMICALS DIV.

126-02 NORTHERN BOULEVARD, FLUSHING, N.Y. 11368

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DO NOT ALLOW THIS MATERIAL TO DRIFT ONTO NEIGHBORING CROPS OR NON-CROP AREAS OR 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.

## 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, unless otherwise noted for listed crops. 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 ( ) following the crop.

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 two quarts are recommended mix with sufficient water to provide a minimum of finished spray equal to twice the amount of ETHION MISCIBLE used. Do not use in undiluted form.

**BEANS (SUCCULENT & DRY) (2);** Bean Leaf Beetle, Mexican Bean Beetle, Two-spotted Spider Mite - 0.5 to 1 pt. per acre. Potato Leafhopper - 1 pt. per acre. Do not feed treated foliage to livestock.

**BEAN (SUCCULENT & DRY) (4);** Lygus Bugs - 1 qt. per acre. Do not feed treated foliage to livestock.

**CORN, FIELD (50);** Pacific Spider Mite, Two-spotted Spider Mite - 1 qt. per acre. Do not make more than 1 application after ear formation. Do not feed treated fodder to livestock.

**COTTON:** Aphids - 1 to 2 pts. per acre. Cotton Leafworm - 1 pt. per acre. Spider Mites - 0.5 to 1 pt. per acre. Spider Mites, Lygus bugs and other Mirids on West Coast only - 2 to 3 pts. per acre. Do not apply after bolls open. Do not graze dairy or meat animals in treated fields.

**CUCUMBERS (0), SUMMER SQUASH (0):** Serpentine Leaf Miner, Two-spotted Spider Mite - 1 pt. per acre.

**EGGPLANT (0):** Two-spotted Spider Mite - 0.5 to 1 pt. per acre.

**MELONS (0):** Melon, Leaf Miner, Serpentine Leaf Miner, Two-spotted Spider Mite - 1 pt. per acre. Melon Leafhopper - 1.5 to 2 pts. per acre. Petrobia Mite (California only) - 1 to 2 pts. in a minimum of 10 gals. water per acre.

**PEPPER (0), PIMENTO (0);** Serpentine Leaf Miner - 1 pt. per acre. Two-spotted Spider Mite - 0.5 to 1 pt. per acre.

**SORGHUM (30):** Sorghum Midge, Sorghum Mite - 0.5 to 1.0 pt. per acre. For Midge, apply at first bloom and repeat 4-10 days later. Do not utilize for forage within 30 days of treatment. Do not apply more than 3 times per season. Some leaf burning may occur on phosphate-sensitive varieties.

**STRAWBERRY (2);** Strawberry Leaf Roller, Two-spotted Spider Mite - 1 pt. per 100 gals.; 1-2 pts. per acre. Spray plants thoroughly. Continue application after harvest as required.

**TOMATOES (2):** Leaf Miner, Tropical Spider Mite, Two-spotted Spider Mite - 1 pt. per acre.

**APPLES:** Apple Aphid, European Red Mite, Rosy Apple Aphid, San Jose Scale - 0.6 pts. plus 2 gals. dormant oil per 100 gals. water. Apply during dormant or delayed dormant period. ("Superior" type oil of 60-70 second viscosity preferred for delayed dormant use).

**CHERRIES:** Black Cherry Aphid, San Jose Scale - 1/2 to 3/4 pt. plus 2 gals. dormant oil per 100 gals. water. Apply during dormant or delayed dormant period. ("Superior" type oil of 60-70 second viscosity preferred for delayed dormant use).

**GRAPEFRUIT (0), LEMONS (21), LIMES (21), ORANGES (0), TANGELOS (0), TANGERINES (0):** To control; 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 0.5 to 0.75 pts. in 100 gals. water. For Mites, Scales and Citrus Whitefly, use 0.75 pt. per 100 gals. water combined with 0.5 to 7% summer oil (Florida and Texas areas) or 0.5 to 0.75 pt. per 100 gals. water combined with 1-2 gals. summer oil (West Coast). Where snow scale is a problem, spray trunks, limbs and twigs thoroughly. For Whitefly, apply shortly after whiteflies have laid their eggs.

DO NOT APPLY more than 2,000 gals. spray per acre. DO NOT APPLY more than once on lemons and limes; on other citrus crops listed, 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 naval oranges.

**NECTARINES, PEACH, PLUM, PRUNE:** Clover (Brown Almond) Mite, European Red Mite and including Leaf Curl Plum Aphid and Mealy Plum Aphid on Plum and Prune - 3/4 pt. plus 1 to 2 gals. dormant oil per 100 gals. water. Olive (Parlatoria) Scale - 1 pt. plus 3 gals. dormant oil per 100 gals. water. San Jose Scale - 1/2 to 3/4 pt. plus 2 gals. dormant oil per 100 gals. water. Apply during dormant period. ("Superior" type oil of 60-70 second viscosity preferred for delayed dormant use). Do not apply after foliage or edible parts start to form.

**NECTARINES (30), PEACH (30):** Clover (Brown Almond) Mite, European Red Mite, Two-spotted Spider Mite - 0.5 pt. per 100 gals. water or 2.5 - 3.5 pts. per acre. Do not apply more than twice during fruiting period.

**PEARS:** Clover (Brown Almond) Mite, European Red Mite, San Jose Scale - 3/4 pt. plus 1-2 gals. dormant oil per 100 gals. water. Apply during dormant or delayed dormant period. ("Superior" type oil of 60-70 second viscosity preferred for delayed dormant use).

**ORNAMENTALS (Greenhouse):** Millipedes - **SOIL TREATMENT:** Use 10 fl. ozs. in 75 gals. of water and apply to 2,500 sq. ft. of bench space. Wear mask or respirator approved by U.S.D.A. for ETHION protection.

**ORNAMENTALS (Out-of-Doors):** Two-spotted Spider Mite - 0.5 pt. per 100 gals. May cause some needle drop on Anderson Yew.

**TURF (Commercial Use) - Chinch Bugs, Sod Webworm -** Use 0.33 to 0.5 pt. per 1,000 sq. ft. of turf applied in 20 gals. of water or 1.67 to 2.5 pts. in 100 gals. of water to treat 5,000 sq. ft. To treat one acre, use 1.75 to 2.5 gals. applied in 800 gals. of water. It is important that the spray penetrate through the mat of turf to reach the insects. It helps to have the turf well irrigated before treatment.

**CAUTION:** Keep children and animals off treated areas until this material has been thoroughly watered into soil and the grass has been completely dried.



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