

**FRUITS**

**PEACHES:** Clover Mite, European Red Mite - 4 pts. plus 1 to 2 gals. Superior Oil-70 per 100 gals. Pitted Scale (olive) - 1 pt. plus 3 gals. Superior Oil-70 per 100 gals. San Jose Scale - 1 to 2 pt. plus 2 gals. Superior Oil-70 per 100 gals. For all above controls apply during dormant or delayed dormant period. Peach Scale - 1 pt. plus 2 gals. Superior Oil-70 per 100 gals. Apply during dormant period. Repeat in 4 weeks if necessary. Do not apply when fruit is present. Do not apply more than 350 gals. per acre. Do not spray ethion products during freezing weather or when freezing temperatures are expected within 24 hours.

**APPLES:** Apple Aphid, Rose Apple Aphid - 4 pts. plus 3 gals. Superior Oil-70 per 100 gals. Apply in dormant or delayed dormant period. Codling Moth - 1 pt. per 100 gals. Do not apply within 60 days of harvest for 4 applications or within 40 days for 2 applications. Clover Mite, European Red Mite, Two-spotted Mite - 5 pts. per 100 gals. for summer application. Do not apply within 40 days of harvest for 4 applications, 30 days for 3 applications and 20 days for 2 applications. San Jose Scale - 6 pts. plus 2 gals. Superior Oil-70 per 100 gals. Apply during dormant or delayed dormant period. **NOTE:** Do not apply ethion products during freezing weather or when freezing temperatures are expected within 24 hours. Do not use ethion on Astrachan, Davey, Margaret Pratt, Melba, Wealthy, Williams Red, Yellow Transparent or any varieties maturing before Early McIntosh as injury is likely to occur.

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

**ORNAMENTALS AND TURF**

**ORN:** Evergreens, Shade Trees, Woody Ornamentals, Gable, a scale, Eucalyptus, Florida Red Scale, Florida Wax Scale, Oystershell Scale, Fine Needle Scale, Spruce Bud Scale, Tea Scale, Lecanium Scale, Spider Mite, Texas Mealy Bug - 1 pt. plus 1 gal. Superior Oil-70 per 100 gals. or water rate to 6 Teaspoons of mixture per gallon. Thorough coverage of branches and foliage is necessary for good control. For scale control apply when overwintering eggs have started to hatch. **CAUTION:** Do not apply to American Red Bud as injury may occur. May also cause some needle drop on Anderson Yew. **Turf Treatment:** Use 10-15 ounces in 75 gals. of water and apply to 2500 sq. ft. bench space.

**TURF:** English Fleas, Sod Weevil - use 1 1/2 to 2 pt. per 1000 sq. ft. lawn. Applied in 20 gals. of water or 1-2 1/2 pts. to 25 pts. in 100 gals. of water to treat 5000 sq. ft. To treat one acre, use 1-3 1/4 to 2 1/2 gals. applied in 800 gals. of water. It is important that the spray penetrates through the mat of turf to reach the insects. It helps to have the lawn well irrigated prior to treatment. Wash off treated areas with this material has been thoroughly watered into soil and the grass has completely dried. For Bermudagrass, see Bermudagrass under Field Crops.

NET CONTENTS **SECURITY** ONE GALLON

**ETHION EC-4**

CONTAINS 4 LBS. ETHION PER GALLON

ACTIVE INGREDIENTS:	
Ethion	45.00
Alkylated amine salt derivative	45.00
INERT INGREDIENTS:	
E.P.A. Reg. No. 69-297	TOTAL
Net Content: Tetraethyl Sulfonium ethyl disulfide salt	135.00
Net Content: No. 673-226	

**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. Workers entering treated fields within 24 hours should wear protective clothing.

**PROTECT WILDLIFE:** This product is poisonous to fish and wildlife. Keep out of lakes, ponds, and streams. Do not apply in any manner not specified on the label. Birds feeding in treated areas may be killed.

**PROTECT BEES:** This product is toxic to bees and should not be applied when bees are actively visiting the area.

**DISPOSAL WARNING:** Dispose of waste pesticide and container by burying in non-crop land away from water supplies. Never re-use container.

**NOTICE:** The seller makes no implied warranty of merchantability nor any other warranties which extend beyond the description on this label. 270613

**WOOLFOLK CHEMICAL WORKS, LTD.**  
Manufacturers Fort Valley, Ga.

DO NOT USE, POUR, SPILL. Apply when insects first appear on crops and vegetables use sulfur and 1-5 gals. for a spray for good control. Observe use patterns, supplement the control between last application and harvest.

**BERMUDA GRASS (LAWN):** 2 gals. of water to cover 200 sq. ft. Apply as needed to maintain until the spray has completely dried. Do not be fed to livestock.

**CORN, FIELD (60):** Apply more than 1 application after earing.

**COTTON:** Apply 1 to 2 pints if infestation reaches the point where the bolls are open.

**BEANS (Succulent and Spotted Spider Mite):** 1 to 1 1/2 pints of water to livestock.

**CUCUMBERS (8):** See Cucumbers (8).

**MELONS (8):** Melon Leaf Miner - 1 1/2 to 2 pts. Melon Leafhopper - 1 1/2 to 2 pts.

**SQUASH (8), PUMPKIN:** Spider Mite - 1 to 1 1/2 pints per acre.

**SQUASH (8):** See Squash (8).

**TOMATOES (2):** Tomato Pinworm - 1 to 2 pts. per acre.

9-13-72  
769-397

NET CONTENTS

ONE GALLON



# ETHION EC-4

CONTAINS 4 LBS. ETHION PER GALLON

**ACTIVE INGREDIENTS:**

\*Ethion 45.0%

Aromatic petroleum derivatives 47.0%

**INERT INGREDIENTS:**

E.P.A. Reg. No. 149-397 TOTAL 100.0%

\*D.D.T. or Tetraethyl S-S-methyl-3,4-dichlorophthalate  
U.S. Pat. No. 2,722,228

## 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. Workers entering treated fields within 24 hours should wear protective clothing.

**PROTECT WILDLIFE:** This product is poisonous to fish and wildlife. Keep out of lakes, ponds, and streams. Do not apply in any manner not specified on the label. Birds feeding on treated areas may be killed.

**PROTECT BEES:** This product is toxic to bees and should not be applied when bees are actively visiting the area.

**DISPOSAL WARNING:** Dispose of waste pesticide and container by burying in non-crop land away from water supplies. Never reuse containers.

**NOTICE:** The seller makes no implied warranty of merchantability, nor any other warranties which extend beyond the description on this label. 170613

**WOOLFOLK CHEMICAL WORKS, LTD.**  
Manufacturers Fort Valley, Ga.

## DIRECTIONS

DO NOT USE IN THE PRESENCE OF FIRE, NEAR HEAT OR OPEN FLAME

Apply when insects first appear and repeat as required to maintain effective control. On field crops and vegetables use sufficient water for coverage, usually 3-10 gals. for ground equipment and 1-2 gals. for a plane. Coverage of both upper and lower leaf surfaces is essential for good control. Observe use limitations. If insect control is required beyond the following patterns, supplement the control program with other suitable pesticides. Observe days interval between last application and harvest indicated by number in the following crop.

**BERMUDA GRASS (Lawn and Seed Crop):** Eriophyes Mites - 1 tablespoon per gal. of water to cover 200 sq. ft. of lawn or use 3 fluid ozs. per 6 gals. of water per 1200 sq. ft. Apply as needed to maintain effective control. Keep children and animals off treated areas until the spray has completely dried. Do not apply to Bermuda grass to be used for grazing or forage to be fed to livestock.

**CORN, FIELD (60):** Pacific Mite, Two-Spotted Spider Mite - 1 pt. 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, Spider Mites - 1/2 to 1 pt. per acre. Treat when infestation reaches the point where control is required and repeat as necessary. Do not apply on cotton after the bolls open. Do not graze dairy or meat animals in treated fields.

### VEGETABLES

**BEANS (Succulent and Dry) (2):** Bean Leaf Beetle, Mexican Bean Beetle, Two-Spotted Spider Mite - 1/2 to 1 pt. per acre. Potato Leafhopper - 1 pt. per acre. Do not feed bean foliage to livestock.

**CUCUMBERS (0):** Serpentine Leaf Miner, Two-Spotted Mite - 1 pt. per acre.

**EGGPLANT (0):** Two-spotted Mite - 1/2 to 1 pt. per acre.

**MELONS (0):** Melon Leaf Miner, Serpentine Leaf Miner, Two-spotted Mite - 1 pt. per acre, Melon Leafhopper - 1 to 2 pts. per acre.

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

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

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

9-13-72  
769-397

### MIXING DIRECTIONS

Mix the required amount of Miller's ETHION 4EC with water by agitation or by circulating the mixture through the spray pump and back into the tank. A proper mixture will have the appearance of a milky emulsion with no free oil on the surface. Agitate before use until a uniform milky emulsion is formed. Follow same directions when using Ethion and Oil.

### APPLICATION DIRECTIONS

Apply the recommended rates in sufficient water to give thorough coverage. (By ground, apply a minimum of 200 gals. per acre to tree crops, 10 gals. per acre to field and vegetable crops. By air, apply a minimum of 15 gals. per acre to tree crops, 2 gals. per acre to field and vegetable crops.) Applications should begin when insects or mites appear and be repeated as necessary (observe time limitations). Full coverage of plants is essential for effective control.

### FIELD CROPS

**CORN (Field)**—Pacific Spider and Two-spotted Spider Mites—Use 1 qt. per acre. Do not apply more than once after ears form. Do not apply within 50 days of harvest. Do not feed treated forage to livestock.

**COTTON**—Aphids, Cotton Leafworm, Spider Mites, Lygus Bugs and Other Mirids—For Aphids, use 1 to 2 pts. per acre. For Cotton Leafworm, use 1 pt. per acre. For Spider Mites, Lygus Bugs and Other Mirids (West Coast area), use 2 to 3 pts. per acre. Do not apply after bolls open. Do not graze dairy or meat animals in treated fields. Workers entering treated fields within 24 hours after spraying should wear protective clothing.

**SORGHUM**—Sorghum Midges and Mites—Use 1/2 to 1 pt. per acre. For Mites, apply when they first appear. For Midges, apply at first bloom and repeat 4 to 10 days later. Do not apply more than 3 times per season. Do not harvest or feed forage within 30 days after last application. Some leaf burning may occur on phosphate sensitive varieties.

### FRUITS

**APPLES**—Apple Aphid, Bay Apple Aphid, European Red Mite, San Jose Scale—Use 0.6 pt. plus 2 gals. dormant oil per 100 gals. of dilute spray (see Note). Apply in dormant or delayed dormant period.

**CHERRIES**—Black Cherry Aphid, San Jose Scale—Use 1/2 to 3/4 pt. plus 2 gals. dormant oil per 100 gals. of dilute spray (see Note). Apply during dormant or delayed dormant period.

**CITRUS**—Grapefruit, Lemons, Limes, Oranges, Tangelos, Tangerines—Citrus Red, Citrus Rust, Six-spotted and Texas Citrus Mites—Use 1/2 to 3/4 pt. per 100 gals. Mites Inted plus Black, Chaff, Florida Red, Clover, Purple, Snow and Yellow Scales—Use 1/2 to 3/4 pt. plus 1 to 2 gals. summer oil per 100 gals. dilute spray. Brown Soft Scale, California Red Scale, and Citrus Whitefly—Use 1/2 to 3/4 pt. plus 1 to 2 gals. summer oil per 100 gals. dilute spray. Do not apply more than 2000 gallons per acre. On Lemons and Limes, do not apply within 21 days of harvest nor more than once per season. 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 3 weeks of a sulfur application. Do not use oil on navel Oranges. For Whitefly, apply shortly after adults have laid their eggs.

**NECTARINES**—Clover (Brown Almond) and European Red Mites—Use 1/2 pt. plus 1 to 2 gals. dormant oil per 100 gals. dilute spray to control overwintering eggs. Apply during dormant or delayed dormant period (see Note). Clover (Brown Almond), European Red and Two-spotted Spider Mites—Use 1/2 pt. per 100 gal. dilute spray or 1 1/4 to 1 1/2 pts. per acre. Do not make more than 2 applications during the fruiting period nor apply within 30 days of harvest. Olive (Parlatoria) Scale—Use 1 pt. plus 3 gals. dormant oil per 100 gal. dilute spray. Apply during dormant or delayed dormant period (see Note). Use 1/2 to 3/4 pt. plus 2 gals. dormant oil per 100 gals. dilute spray. Apply during dormant or delayed dormant period (see Note).

**PEACHES**—Clover (Brown Almond) and European Red Mites—Use 3/4 pt. plus 1 to 2 gals. dormant oil per 100 gal. dilute spray. Apply during dormant or delayed dormant period (see Note). Olive (Parlatoria) Scale—Use 1 pt. plus 3 gals. dormant oil per 100 gal. dilute spray. Apply during dormant or delayed dormant period (see Note). San Jose Scale—Use 1/2 to 3/4 pt. plus 2 gals. dormant oil per 100 gal. dilute spray. Apply during dormant or delayed dormant period. White Peach Scale—Dormant period, use 1 pt. plus 2 gals. "Superior Type" oil per 100 gals. dilute spray. Summer Use—Use 1 pt. plus 3 gals. "Superior Type" oil per 100 gals. dilute spray. Apply when "crawlers" first appear and, if necessary, repeat in 2 weeks. Do not apply when fruit is present. Do not apply more than 350 gals. per acre.

**PEARS**—Clover (Brown Almond) and European Red Mites—Use 3/4 pt. plus 1 to 2 gals. dormant oil per 100 gal. dilute spray. San Jose Scale—Use 1/2 to 3/4 pt. plus 2 gal. dormant oil per 100 gal. dilute spray. Apply during dormant or delayed dormant period (see Note).

**PLUMS, PRUNES**—Clover (Brown Almond) Mite, European Red Mite, Leaf Curl Plum Aphid and Mealy Plum Aphid—Use 1/2 pt. plus 1 to 2 gals. dormant oil per 100 gals. dilute spray. Olive (Parlatoria) Scale—Use 1 pt. plus 3 gals. dormant oil per 100 gals. dilute spray. San Jose Scale—Use 1/2 to 3/4 pt. plus 2 gals. dormant oil per 100 gal. dilute spray. Apply during dormant or delayed dormant period (see Note).

**NOTE**—Factory prepared formulations of Ethion in "Superior Type" oils are preferred to tank mixed formulations. "Superior Type" oils of 70 viscosity or less are usually applied in the delayed dormant period for greater effectiveness, higher viscosity oils are usually applied in the dormant period. Avoid application of Ethion oil products during freezing weather or when freezing temperatures are expected within 24 hours.

Do not use Ethion on Astrachen, Davey, Duchess, Margaret Pratt, Melba, Wealthy, Red Williams, Williams Red, Yellow Transparent or any varieties of Apples maturing before Early McIntosh as injury is likely to appear.

Certain localized Citrus, Plum and Prune areas require special recommendations that depart from those given here. Consult State Agricultural Experiment Station or State Extension Authorities for exact recommendations.

### NUTS

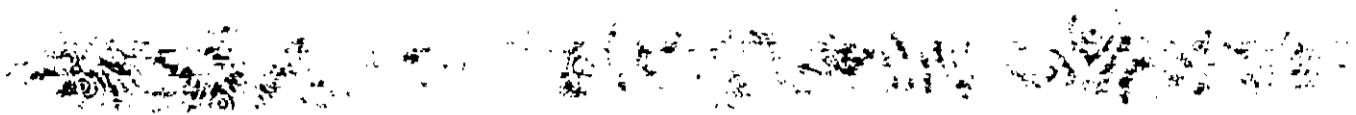
**ALMONDS**—Clover (Brown Almond) and European Red Mites—Use 1/2 pt. plus 1 to 2 gals. dormant oil per 100 gals. dilute spray (see Note). Olive (Parlatoria) Scale—Use 1 pt. plus 3 gals. dormant oil per 100 gals. dilute spray. San Jose Scale—Use 1/2 to 3/4 pt. plus 2 gals. dormant oil per 100 gals. dilute spray. Apply during dormant or delayed dormant period.

**NOTE**—Factory prepared formulations of Ethion in "Superior type" oils are preferred to tank mixed formulations. "Superior Type" oils of 70 viscosity or less are usually applied in the delayed dormant period for greatest effectiveness, higher viscosity oils are usually applied in the dormant period. Avoid application of Ethion oil products during freezing weather or when freezing temperatures are expected within 24 hours.

**HILBERTS, PECANS**—Aphids, Mites—Use 5 pts. per acre. Do not apply more than twice during the fruiting period. On Hilberts, do not apply when nut is visible. On Pecans, do not apply after husk split. Do not graze livestock in treated groves.

### ORNAMENTALS

**EVERGREENS, SHADE TREES, WOODY ORNAMENTALS**—Two-spotted Spider Mite—Use 1 pt. plus 3 gals. dilute spray. Ethion may cause some leaf drop on Anderson Tree.



FRUITS

NET CONTENTS

**ETHIC**

CONTAINS 4 LB  
ACTIVE INGREDIENTS

INERT INGREDIENTS

ORNAMENTALS AND TURF

**WARNING: KEEP CHILDREN OFF**

NOTICE

**WOOLFOLK CHEMICALS**  
Manufacturers

