

476-1783
 FEDERAL INSECTICIDE ACT
 FUNGICIDE REGISTERED
 FOR USE ON...

USE PRECAUTIONS

Observe use limitations given on the label for specific crops. In order that pesticidal residues on food and forage crops will not exceed tolerances established by the Federal Food and Drug Administration, use only at recommended rates and intervals, and do not apply closer to harvest than specified. Do not apply or allow to drift to areas occupied by unprotected humans or beneficial animals or onto adjoining food, fiber or pasture crops. **The grower is responsible** for residues on his crops as well as for damages caused by drift from his property to that of others.

Consult State Agricultural Experiment Station or State Agricultural Extension Service for additional information as the timing, number and rate of application will vary with local conditions.

Do not apply oil sprays to trees where soil moisture is low or where soil moisture has recently been low. Do not apply oil sprays when temperatures are in excess of 90° F. or in periods of low humidity caused by dry winds. Do not combine oil sprays with sulfur sprays or apply within 30 days following a sulfur spray. Use of additional wetting and or sticking agents may accentuate injury on sensitive plants and is not recommended.

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

This product is toxic to fish and wildlife. Keep out of lakes, streams and ponds. Birds feeding on treated areas may be killed.

DIRECTIONS FOR USE

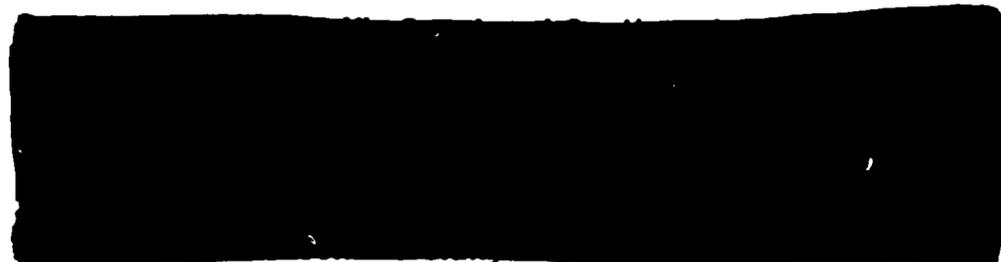
Application can be made by aircraft or ground power equipment by trained personnel only using approved protective equipment. Do not apply with hand equipment. Pour recommended amount of this material into nearly filled spray tank. Add balance of water.

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 stated for specific crops. Coverage of upper and lower leaf surfaces is essential for good control. Observe use limitations.

SUGGESTED WATER RATES FOR AIRCRAFT AND GROUND APPLICATION. (The actual rate required to provide thorough, uniform coverage varies with plant growth at time of application. **Except as specified for certain uses,** the following rates are therefore intended to cover a broad range of conditions.)

Crop	Gal. Water/Acre	
	Aircraft	Ground
Vegetable and Field Crops	1-20	5-125
Orchard, Grapes	5-25	—
Orchard Crops (See exceptions)	—	300-800
Citrus	—	500-2000
Grapes	Min	150

RECOMMENDATIONS



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

BERMUDA GRASS (Seed Crop Only): Eriophyid Mites—3 fl. ozs. per 6 gals. water per 1,200 sq. ft. Apply as needed to maintain effective control. Do not apply to Grass to be used for grazing or forage to be fed to livestock.

COTTON: Cotton Leaf Worm—1 pint per acre. Spider Mites, Lygus Bugs and Other Mirids—1 to 1 1/2 qts. per acre in water to cover. Aphids—1 to 2 pts. per acre. Do not apply after bolls begin to open. Do not graze dairy or meat animals in treated fields. Workers entering fields within 24 hours should wear protective clothing.

EGGPLANTS: Two-Spotted Mite—1/2 to 1 pt. per acre. Apply when mites first appear and repeat as required.

FIELD CORN: Pacific Mite, Two-Spotted Mite—2 pts. in water to cover 1 acre. Apply when mites first appear. Do not make more than 1 application after ear formation. Do not apply within 50 days of harvest. Do not feed treated forage to livestock.

MELONS: Melon Leafhopper—3/4 to 1 qt. per acre. Melon Leaf Miner, Serpentine Leaf Miner, Two-Spotted Spider Mite—1 pt. per acre.

ONIONS (Dry and Green): Onion Maggot—(Western Use)—2 qts.

(Cont'd on right panel)

ETHI

AQUEOUS EMULSION ORGANOPHOSPHORU

ACTIVE INGREDIENTS:
 *Ethion (O,O,O',O'-tetraethyl S,S
 Xylene range aromatic hydrocar
INERT INGREDIENTS:

USDA Reg. No. 476-1783

WARNING
MAY BE FATAL IF SWA
ABSORBED THROUGH
 Do not breathe vapor or spray mi
 Avoid contact with skin, eyes and
 Wash thoroughly after handling.
 Do not contaminate food or feed.

COMBUSTIBLE—D
PROTECT FF
 Liquid phases separate at lower temp
 oughly to recombine liquid phases and

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NEW

ACCEPTED WITH COMMENTS



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ETHION 4E

AQUEOUS EMULSION ORGANOPHOSPHORUS INSECTICIDE-ACARICIDE

ACTIVE INGREDIENTS:

*Ethion (O,O,O',O'-tetraethyl S,S'-methylene bisphosphorodithioate) 46.71%

Xylene range aromatic hydrocarbon solvent 46.70%

INERT INGREDIENTS:

6.59%

100.00%

USDA Reg. No. 476-1783

U. S. Patent No. 2,873,228

WARNING
MAY BE FATAL IF SWALLOWED.
ABSORBED THROUGH SKIN.

Keep Out of Reach of Children

Do not breathe vapor or spray mist.
Avoid contact with skin, eyes and clothing.
Wash thoroughly after handling.
Do not contaminate food or feed.

COMBUSTIBLE—Do not use or store near heat or open flame.

PROTECT FROM TEMPERATURES BELOW 0° F.

Liquid phases separate at lower temperatures. Warm or store at higher temperatures and mix thoroughly to recombine liquid phases and assure uniformity before use.

STAUFFER CHEMICAL COMPANY
NEW YORK, NY 10017

in water to cover 1 acre applied on 15-inch row, 2½ pts. on 24-inch row and 1½ pts. on 36-inch row. Apply as a furrow treatment at time of planting.

PEPPERS, PIMENTOS: Serpentine Leaf Miner, Two-Spotted Mite—1 pt. per acre in water to cover. For Mites Only—½ to 1 pt. per acre. Apply when insects first appear and repeat as required.

TOMATOES: Tropical Mite, Two-Spotted Spider Mite, Leaf Miner—1 pt. per acre. Do not apply within 2 days of harvest.

ORNAMENTALS (Greenhouse): Millipedes—1 qt. Treatment—Apply 10 ounces in 75 gals. water per 2.50 sq. ft. bench space. When applying in greenhouse wear mask or respirator passed by the U. S. Department of Agriculture for Ethion protection.

ALMOND, NECTARINE, PEACH, PEAR: San Jose Scale—Dormant application only—½ to ¾ pt. plus 2 gals. dormant spray oil per 100 gals. water. Parlatoria (olive) Scale—1 pt. plus 3 gals. dormant spray oil per 100 gals. water. Brown Almond Mite, European Red Mite—¾ pt. plus 1 to 2 gals. dormant spray oil per 100 gals. water to control overwintering mite eggs.

APPLES: European Red Mite, Rosy Apple Aphid, San Jose Scale—3.5 pt. Ethion 4-E plus 2 gals. dormant spray oil in 100 gals. water. Apply a single application during the dormant or delayed-dormant period. Avoid double spraying. Do not apply later than delayed dormant stage. Avoid applications of oil sprays prior to or during freezing weather. Trees to be sprayed should be in a healthy condition, and proper moisture should be present. Do not use on Astrachan, Duchess, Margaret Pratt, Melba, Wealthy, Williams Red (Red Williams), Yellow Transparent, or any variety maturing before Early McIntoshes, as injury may result.

CHERRIES: San Jose Scale, Black Cherry Aphid—½ to ¾ pt. plus 2 gals. dormant oil per 100 gals. water. Apply during dormant period only.

GRAPES: (California Only) Grape Leafhopper, Two-Spotted Mite, and Willamette Mite—1½ to 2½ pts. per acre. Apply a minimum of 150 gals. of water per acre. Do not apply more than twice during fruiting period nor apply within 30 days of harvest.

GRAPEFRUIT, ORANGES, TANGELOS, TANGERINES: California and Western Areas—Black Scale, Soft Brown Scale, California Red Scale, Purple Scale, Citrus Red Mite—½ to ¾ pt. plus 1 to 2 gals. summer oils per 100 gals. water. Do not apply more than 2,000 gals. spray per acre. For mites only, oil may be omitted. If additional applications are needed, do not apply within 90 days of preceding treatment. Without oil, may be applied up to day of harvest. On Tangerines, do not make more than 2 applications per crop.

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USE PRECAUTIONS

Observe use limitations given on the label for specific crops. In order that pesticidal residues on food and storage crops will not exceed tolerances established by the Federal Food and Drug Administration, use only at recommended rates and intervals, and do not apply closer to harvest than specified. Do not apply or allow to drift to areas occupied by unprotected humans or beneficial animals or onto adjoining food, fiber or pasture crops. **The grower is responsible** for residues on his crops as well as for damages caused by drift from his property to that of others.

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

This product is toxic to fish and wildlife. Keep out of lakes, streams and ponds. Birds feeding on treated areas may be killed.

DIRECTIONS FOR USE

Application can be made by aircraft or ground power equipment by trained personnel using approved protective equipment. Do not apply with hand equipment. Pour recommended amount of this material into nearly filled spray tank. Add balance of water.

Apply the listed amount per acre when insects first appear and repeat as necessary to maintain effective control. Use an sufficient water for thorough coverage unless otherwise stated for specific crops. Coverage of all surfaces is essential for effective control.

SUGGESTED WATER RATES FOR AIRCRAFT AND GROUND APPLICATION of this material should be provided thorough uniform coverage of the entire area. At the time of application, except as specified for certain uses, the following rates are therefore intended for broadcast applications.

Crop	Gal. Water/Acre	
	Aircraft	Ground
Vegetable and Field Crops	1-20	5-125
Orchard, Grapes	5-25	-
Orchard Crops (See exceptions)	-	300-800
Citrus	-	500-2000
Grape	M.	150

RECOMMENDATIONS

BEANS (Succulent and Dry): Mexican Bean Beetle, Bean Leaf Beetle, Two Spotted Mite. 1 to 1 pt. per acre in water to cover. Do not apply within 7 days of harvest. Do not feed treated foliage to livestock. Lygus Bugs. 1 qt. per acre in water to cover. Do not apply within 4 days of harvest. Do not feed treated foliage to livestock.

BERMUDA GRASS (Seed Crop Only): European Mite. 3 fl. oz. per 6 gals. water per 1,200 sq. ft. Apply as needed to maintain effective control. Do not apply to Grass to be used for grazing or range to be fed to livestock.

COTTON: Cotton Leaf Worm - 1 pint per acre. Spider Mites, Lygus Bugs and Other Mites - 1 to 1 1/2 qts. per acre in water to cover. Aphids - 1 to 2 pts. per acre. Do not apply after bolls begin to open. Do not graze dairy or meat animals in treated fields. Workers entering fields within 24 hours should wear protective clothing.

CUCUMBERS: Two Spotted Mite - 1/2 to 1 pt. per acre. Apply when mites first appear and repeat as required.

FIELD CORN: European Mite, Two Spotted Mite - 1/2 to 1 qt. per acre. Apply when mites first appear. Do not make more than 1 application after ear formation. Do not apply within 50 days of harvest. Do not feed treated forage to livestock.

MELONS: Melon Leafhopper - 1 to 1 qt. per acre. Melon Leaf Miner, Spotted Leaf Miner, Two Spotted Spider Mite - 1 pt. per acre.

ONIONS (Dry and Green): Onion Maggot - Western Fly - 1 qt. per acre. (Cont'd on right page)

ETHION

AQUEOUS EMULSION ORGANOPHOSPHORUS INSECTICIDE-ACAI

ACTIVE INGREDIENTS:
 Ethion (O,O,O',O'-tetraethyl S,S'-methylene bisphosphorodithioate)
 Xylene range aromatic hydrocarbon solvent

INERT INGREDIENTS:

USDA Reg. No. 476-1783

WARNING Keep Out of Reach
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.
 Do not contaminate food or feed.

COMBUSTIBLE - Do not use or store near heat or open flame.
PROTECT FROM TEMPERATURES BELOW 0° F.
 Liquid phase separates at lower temperatures. Warm or store at higher temperatures to return to liquid phase and assure uniformity before use.

STAUFFER CHEMICAL CO
 NEW YORK, N.Y. 10017

