[218-477]

DIRECTIONS

Use in enough water for thorough coverage. By air, apply a minimum of 3 to 10 gallons of finished spray per acre.

CITRUS

Do Not apply more than 2,000 gallons of spray per acre. On Tangerines, Do Not apply more than twice per season. May apply up to day of harvest. On Lemons, Do Not apply more than once per season nor within 21 days of harvest. (Do Not make any applications within 90 days of preceding treatment.)

ON GRAPEFRUIT, ORANGES, TANGELOS, TANGERINES, AND LEMONS: For Glover, Yellow and Snow Scales use ¾ pint plus 0.5% summer oil in 100 gallons of water. Make thorough coverage application during post-bloom period (June 1 to July 15).

ON GRAPEFRUIT, ORANGES, TANGELOS, AND TANGERINES: Florida and Texas Areas: For Citrus Rust, Texas Citrus, and Citrus Red Mites, use ½ to ¾ pint in 100 gallons of water. For Florida Red, Chaff, and Purple Scales add 0.5 to 0.7% summer oil per 100 gallons of water. Western Areas: For Black, Brown soft, California red, and Purple Scales, use ½ to ¾ pint plus 1 to 2 gallons of summer oil per 100 gallons of water.

LEMONS: Eastern and Western Areas: For Citrus Red, Citrus Rust, and Texas Citrus Mites use ½ to ¾ pint per 100 gallons of water or 5 to 7½ quarts per acre. Western Areas: For Black, Brown Soft, California Red, and Purple Scales use ½ to ¾ pint plus 1 to 2 gallons summer oil per 100 gallons of water.

OTHER FRUIT

APPLES for eggs of European Red Mites, Apple and Rosy Apple Aphids, and for San Jose Scale use ⅜ pint plus 2 gallons dormant oil in 100 gallons of water. Make one application during dormant period. Do Not apply later than delayed dormant.

ALMONDS, NECTARINES, PEACHES, PEARS, PLUMS, AND PRUNES: For San Jose Scale use ½ to ¾ pint plus 2 gallons dormant oil in 100 gallons of water. For Parlatoria (Olive) Scale on Almonds, Nectarines, Peaches, and Plums use 1 pint plus 3 gallons dormant oil in 100 gallons of water. Apply during dormant period only. For Brown Almond and European Red Mites, to control overwintering mite eggs during late dormant period, use ¾ pint plus 1 to 2 gallons dormant oil in 100 gallons of water on all but Prunes. Do Not apply later than late dormant.

MELONS: For Melon Leafhopper, use 1½ to 2 pints per acre. For Melon Leafminer, Serpentine Leafminer, and Two-Spotted Mite, use 1 pint per acre. Apply up to day of harvest.

STRAWBERRIES: For Two-Spotted Mite and Strawberry Leafroller, use 1 to 2 pints per acre. Do Not apply within 2 days of harvest.

VEGETABLES

FIELD CORN: For Pacific and Two-Spotted Mites, use 1 quart per acre. Do Not make more than one application after ear formation. Do Not apply within 50 days of harvest nor feed treated fodder to livestock.

EGGPLANT, CUCUMBERS, AND SUMMER SQUASH: For Serpentine Leafminer and Two-Spotted Mite on Cucumber and Squash, use one pint per acre. For Two-Spotted Mite on Eggplant, use ½ to 1 pint per acre. Apply up to day of harvest.

BEANS: For Mexican Bean Beetle, Bean Leaf Beetle, and Two-Spotted Mite, use ½ to 1 pint per acre. For Lygus, use 1 quart per acre. Do Not apply within 4 days of harvest nor feed treated foliage to livestock.

TOMATO: For Tropical and Two-Spotted Mites and Leafminer, use one pint per acre. Do Not apply within 2 days of picking.

PEPPER AND PIMIENTO: For Serpentine Leafminer and Two-Spotted Mite, use one pint per acre.

OTHER CROPS

COTTON: For Cotton Leafworm, use one pint per acre. Do Not apply after bolls open. Do Not graze dairy or meat animals in treated fields. Western Areas: For Spider Mites, Lygus, and other Mirids, use 2 to 3 pints per acre. Do Not apply after bolls begin to open nor feed treated cotton foilage to livestock. Other Areas: For Spider Mites, use ½ to 1 pint per acre, for Aphids use 1 to 2 pints per acre. Do Not apply after bolls begin to open. Do Not feed treated cotton foliage to livestock.

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

ORNAMENTALS

For Two-Spotted Mite, use ½ pint per 100 gallons of water. Do Not use on Anderson Yew.

ORNAMENTAL TURF

For Chinch Bugs and Sod Webworm, use ⅓ to ⅜ pint in 20 gallons of water per 1,000 square feet of turf which has been well-watered. For Eriophyid Mites on Bermuda grass, use 3 fluid ounces in 6 gallons of water per 1,200 square feet. Do Not apply to Bermuda grass to be used for grazing or forage to be fed to livestock. Keep children and animals off treated areas until this material has been thoroughly washed into the soil and the grass has completely dried. Birds feeding on treated areas may be killed.

MIXING IN SPRAY TANKS

Fill tank to cover agitator shaft, and with agitator running add the proper amount of ETHION EM-4. Pump the mixture through the overflow and back into the tank for about two minutes to insure proper emulsification. Fill tank with water, adding other desired material as the tank is being filled. Agitate continuously while mixing and applying.

2393-312

ACCEPTED

APR 22, 1970

UNDER THE FEDERAL INSECTICIDE FUNGICIDE AND RODENTICIDE ACT FOR THE NOTED POISON REGISTERED UNDER EPA REG. NO. 218-477 SUBJECT TO ATTACHED COMMENTS.

ARGADIAN®

NET CONTENTS GALLONS

ETHION EM-4

EMULSIFIABLE CONCENTRATE

CONTAINS 4 POUNDS ETHION PER GALLON

This material must not be used as an insecticide without dilution.

CODE 5351

NOTICE: Ethion is toxic to humans and animals.
Read Safety Directions Carefully Before Opening Container.

DO NOT USE OR STORE NEAR HEAT OR OPEN FLAME

ACTIVE INGREDIENTS:

Ethion (O, O, O', O'-tetraethyl S, S-methylene bisphosphorodithioate)	46.84%
Xylene	36.10%
INERT INGREDIENTS:	17.06%

Allied Chemical

ALLIED CHEMICAL CORPORATION
DEPARTMENT AG
40 RECTOR STREET
NEW YORK, N.Y., U.S.A.

WARNING: Keep out of reach of children
For Additional WARNING Information See Other Panel

USDA Reg. No. 218-477

9351
A1601A

MADE IN U. S. A. PRINTED IN U. S. A.

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MADE IN U. S. A. PRINTED IN U. S. A.

SAFETY DIRECTIONS

WARNING! **Before mixing or using Ethion, consult your physician about obtaining an adequate supply of 1/100 gr. atropine sulfate tablets for emergency use.**

POISONOUS BY SKIN CONTACT, INHALATION OR SWALLOWING

RAPIDLY ABSORBED THROUGH SKIN

REPEATED EXPOSURES MAY, WITHOUT SYMPTOMS BE INCREASINGLY HAZARDOUS

DO NOT GET ON SKIN, IN EYES, OR ON CLOTHING

WEAR PROTECTIVE CLOTHING when working with this product — a light plastic raincoat, washable rain hat, goggles, long sleeved natural rubber gloves, and a mask or respirator of a type passed by the U.S. Department of Agriculture for Ethion protection. Airplane pilots should wear full-face canister-type mask.

Use fresh clothing daily — wash clothing with soap and hot water before re-use. Destroy and replace gloves frequently. Never handle this product with the bare hands. Take special care when opening, measuring and mixing to avoid splashing or wetting skin or clothing.

IN CASE OF CONTACT promptly wash thoroughly with large amounts of soap and water. Wash hands, arms and face thoroughly before eating, smoking or chewing. After work, bathe or shower and change to clean clothes.

DO NOT BREATHE VAPOR OR SPRAY MIST

Container opening, measuring and mixing operations should be done in the open air or other well-ventilated area. Work to windward while handling or spraying. If handled indoors, provide mechanical exhaust ventilation. When spraying or entering sprayed areas always wear respirator. Keep all unprotected persons and domestic animals out of spraying area or vicinity where there may be danger of drift. Entry should not be permitted until drift and vapor have dissipated. Workers entering treated areas within 24 hours of application should wear protective clothing.

KEEP AWAY FROM FEED OR FOOD-STUFFS

CLEAN UP SPILLAGE

Soak up liquid with sawdust or other absorbent material and bury. Clean up area with strong lye solution.

DESTROY CONTAINER WHEN EMPTY

Flush out thoroughly with water and bury where flush water can be run off without harm. Destroy container so that it may not be used again for any purpose and dispose of it at some location where no attempt to salvage will be made.

FIRST AID TREATMENT:

REMOVE PATIENT FROM EXPOSURE

CALL PHYSICIAN AT ONCE

INFORM HIM ATROPINE SULFATE IS EMERGENCY ANTIDOTE

INTERNAL: If Ethion is swallowed, make patient vomit by giving warm salt or soapy water. Administer milk or water freely. Have patient lie down and keep quiet. Never give anything by mouth to an unconscious patient.

SKIN: Immediately remove all contaminated clothing and wash skin thoroughly with soap and plenty of water.

EYES: Immediately flush with water for at least 15 minutes.

ATROPINE IS ANTIDOTAL — Keep an emergency supply of 20 tablets, grains 1/100 of Atropine on hand. In case of accidental poisoning take 3 tablets and call physician immediately.

NOTE TO PHYSICIAN

Enough Atropine must be given in the shortest practical time to produce dilation of the pupils. Patient must be under constant supervision and additional Atropine may be necessary without delay. Clear chest by postural drainage. Use artificial respiration and oxygen if patient becomes comatose. Use of airway may be necessary.

Do Not permit exposure to Ethion or other phosphate insecticides until cholinesterase is regenerated as determined by blood tests.

For further information see J.A.M.A. 144, 104-108 (Sept. 9, 1950).

CAUTION

This product is toxic to fish and wildlife. Keep out of lakes, ponds, and streams. Do Not apply in any manner not specified on the label. Do Not apply when weather conditions favor drift of spray from treated areas.

Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith.

ARGADIAN

NET CONTENTS *GALLONS

ETHION EM-4

EMULSIFIABLE CONCENTRATE

CONTAINS 4 POUNDS ETHION PER GALLON

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USDA Reg. No. 218-477

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REPEATED EXPOSURES MAY, WITHOUT SYMPTOMS BE INCREASINGLY HAZARDOUS

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WEAR PROTECTIVE CLOTHING [illegible]

DO NOT BREATHE VAPORS OR SPRAY MIST

KEEP AWAY FROM FEED OR FOOD STUFFS

CLEAN UP SPILLAGE

[illegible]

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NOTE TO PHYSICIAN

[illegible] tests

[illegible] information see J.A.M.A. 148 1241-1244 (Sept. 9, 1950)

CAUTION

[illegible] Keep out of lakes, [illegible] specified on the label [illegible] weather conditions favor drift of spray from [illegible]

[illegible] Buyer assumes all risks [illegible] use of this product [illegible] not in strict accordance with directions given herein.