ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and very highly toxic to birds. Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water by cleaning of equipment or disposal of wastes.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

MESUROL is a Reg. TM of Bayer AG, Germany.

US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (TS 767)
WASHINGTON, DC 20460

NOTICE OF PESTICIDE: X REGISTRATION / REREGISTRATION

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended

EPA REGISTRATION NO.	DATE OF ISSUANCE
[illegible]-272	12/14/88
TERM OF ISSUANCE	
NAME OF PESTICIDE PRODUCT	

NAME AND ADDRESS OF REGISTRANT (Include ZIP Code)

NOTE: Changes in labeling other than those required in connection with the registration/reregistration must be submitted and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an endorsement or approval of this product by the Agency. In order to protect health and the environment, the Administrator, on his own motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under the Act is not to be construed as granting the registrant a right to exclusive use of the name or to its use if it has been covered by others.

☒ ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL	DATE

EPA Form 8570-6 (Rev. 5-76) PREVIOUS EDITIONS MAY BE USED UNTIL SUPPLY EXHAUSTED

ATTACH TO: M-14:KENCO:12/12/88:12/21/88:CT:Wook:rw

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

William H. Miller
Product Manager (16)
Insecticide-Rodenticide Branch
Registration Division (TS-767C)

Enclosures

3

COMMENTS
EPA

DEC 14 1988

Insecticide
Act
for this pesticide
Reg. No.
9859 272

FOR USE ONLY IN THE STATE OF FLORIDA

ETHION E-4

Miticide-Insecticide

For Agricultural or Commercial Use Only

ACTIVE INGREDIENT:

Ethion (0,0,0',0'-tetraethyl S,S'-methylene bisphosphorodithioate)	46.5%
INERT INGREDIENTS	53.5%
TOTAL	100.0%

Contains 4 pounds Ethion per gallon

KEEP OUT OF REACH OF CHILDREN

WARNING AVISO

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que le etiqueta haya sido explicado ampliamente.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or poison control center. Give one or two glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

IF INHALED: If not breathing, give artificial respiration. Get medical attention.

IF IN EYES: Flush with plenty of water. Get medical attention if irritation persists.

IF ON SKIN: Wash off with soap and water and remove contaminated clothing and shoes.

EPA File Symbol No. 9859-ETE EPA Est. No. 51036-GA-1

Manufactured For
LANDIA CHEMICAL COMPANY
1405 WEST OLIVE STREET
LAKELAND, FLORIDA 33802

NET CONTENTS _____

88 Rev. A

PRECAUTIONARY STATEMENTS

Hazards To Humans And Domestic Animals

WARNING

Harmful or fatal if swallowed Vapor harmful - concentrated material Causes eye irritation Avoid breathing vapor or spray mist Use only with adequate ventilation Keep container closed Avoid contact with skin and eyes Wash thoroughly after handling Do not contaminate food or feed products

REQUIRED CLOTHING AND EQUIPMENT FOR APPLICATION

All applicators, including homeowners, flaggers and all personnel involved with the mixing, loading and transferring operations must wear the protective clothing and equipment enumerated below. Pilots are exempt from this requirement The protective clothing and equipment to be worn is as follows

a Impermeable gloves (for example, rubber or plastic-covered reinforced gloves)
b Boots or boot covers
c. Long-sleeved shirt and long pants
d Wide-brimmed hat
e Respirators must be worn by flaggers and mixer/loaders

NOTE TO PHYSICIAN

Active ingredient is a cholinesterase inhibitor Patient should be kept under observation for 48 hours. Atropine is antidotal. Give 4 mg. Atropine sulfate intramuscularly or intravenously as soon as cyanosis is overcome Repeat every 15 minutes until patient is fully atropanized. Pralidoxime (2-PAM) is also antidotal and should be administered in conjunction with Atropine Never give morphine

ENVIRONMENTAL HAZARDS

This pesticide is toxic to wildlife and aquatic invertebrates Do not apply directly to water of wetlands Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas Do not contaminate water by cleaning equipment or disposal of wastes

This pesticide is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area Protective information may be obtained from your Agricultural Extension Service

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling

CHEMIGATION PROHIBITION

Do not apply this product through any type of irrigation system

RE-ENTRY STATEMENTS

Do not apply this product in such a manner as to directly or through drift expose workers or other persons The area being treated must be vacated by unprotected persons

Do not enter treated areas for 24 hours unless appropriate protective clothing is worn

Protective clothing means, at least, a hat or other suitable head covering, a long sleeved shirt and long legged trousers or a coverall type garment (all of closely woven fabric covering the body, including the arms and legs), shoes and socks

Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information

Written or oral warnings must be given to workers who are expected to be in an area about to be treated with this product Inform workers of areas or fields that may not be entered without specific protective clothing, period of time field must be vacated and appropriate actions to take in case of accidental exposure An example of such information is given under written warnings When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers Written warnings must include the following information WARNING! Area treated with Ethion on (date of application) Do not enter without appropriate protective clothing for 24 hours (insert State Department of Agriculture's re entry interval, if more restrictive) In case of accidental exposure to pesticide spray or dust, wash the skin thoroughly with soap and water Remove contaminated clothing and wash before reuse If in eyes, flush with plenty of water If inhaled, go to an area where the pesticide has not been applied Get medical attention if needed

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Do not use or store near heat, open flame or hot surfaces. Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use, replace lids and close tightly. Do not put concentrate or dilute material into food or drink containers.

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills.

To confine spill: If liquid, dike surrounding area or absorb with sand, cat litter or commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Do not use in undiluted form. Do not use if material does not emulsify.

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. Coverage of upper and lower leaf surfaces is essential for good control. Observe use limitations. If insect control is required beyond the following use patterns, supplement the control program with other suitable pesticides. 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 2 quarts are recommended, mix with sufficient water to provide a minimum of finished spray equal to twice the amount of Ethion. Observe days interval between last application and harvest indicated by number in ( ) following the crop.

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

CHERRIES Black Cherry Aphid, San Jose Scale - 0.5 to .75 pint plus 2 gallons dormant oil per 100 gallons water Apply during dormant or delayed dormant period. ("Superior" type oil of 60 or 70 second viscosity preferred for delayed dormant use)

GRAPEFRUIT (15), LEMONS (21), ORANGES (15), TANGELOS (15), TANGERINES (15) To control Citrus Red Mite, Citrus Rust Mite, Sixspotted 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 Mites - Use 4 to 10 pints per acre in sufficient water for thorough coverage Use the higher rate for large trees or when infestations are severe Mites, Scales, and Citrus Whitefly - Use 4 to 15 pints per acre in sufficient water for thorough coverage combined with 0.5 to 0.7% summer oil (Florida and Texas area) or same rate combined with 1 to 2 gallons summer oil for West Coast Where Snow Scale is a problem, spray trunk limbs and twigs thoroughly. For Whitefly, apply shortly after Whiteflies have laid their eggs. Do not apply more than 2000 gallons spray per acre. Do not apply more than once on Lemons, 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 on Naval Oranges

GRAPES (California only) (30) To control Grape Leafhopper, Twospotted Spider Mite, Williamette Mite - Use 1.5 to 2.5 pints per acre Do not apply more than twice during fruiting period

MELONS (0) Melon, Leafminer, Serpentine Leafminer, Twospotted Spider Mite - 1 pint per acre Melon Leafhopper - 1.5 to 2 pints per acre Petrobia Mite (California only), Cucumber Beetle - 1 to 2 pints in a minimum of 10 gallons water per acre

ORNAMENTALS (Greenhouse) Soil Treatment Millipedes - Use 10 fl ozs in 75 gallons of water and apply to 2,500 sq ft of bench space Wear mask or respirator approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and by the National Institute for Occupational Safety and Health under the provisions of 30 CFR Part 11 for Ethion protection

ORNAMENTALS (Outdoors) Twospotted Spider Mite Use 0.5 pint per 100 gallons May cause some needle drop on Anderson Yew