

**RESTRICTED USE PESTICIDE**  
 For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

ACCEPTED  
 with COMMENTS  
 in EPA Letter Dated:

NOV 5 1982

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 19713-121



<b>ACTIVE INGREDIENTS:</b>	<b>By Weight</b>
O-Ethyl O-(p-nitrophenyl) phenylphosphonothioate*	55.4
Xylene range aromatic solvent	34.9
<b>INERT INGREDIENTS:</b>	9.7
	Total ..... 100.0%

\*EPN  
 Product contains 5 lbs. EPN per gallon.

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

↑  
RED INK

**POISON**

↑  
RED INK

**STATEMENT OF PRACTICAL TREATMENT**

**FIRST AID TREATMENT** +

Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to EPN and describe his condition.

**IF BREATHING HAS STOPPED**, start artificial respiration immediately and maintain until doctor sees victim.

**IF SWALLOWED** and victim is awake (conscious) make him drink one or two glasses of water and induce vomiting by touching back of throat with finger. Repeat until vomit is clear. Never give anything to an unconscious person. Have victim lie down and keep quiet. See doctor immediately.

**IN CASE OF CONTACT**, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. See doctor immediately.

**SEE LEFT SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS**

EPA Reg. No. 19713-121  
 EPA Est. No. 19713-MS-1

**Drexel Chemical Company**  
 P.O. BOX 8306 MEMPHIS TENN 38108

NET CONTENTS \_\_\_\_\_ GALLONS

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS  
(AND DOMESTIC ANIMALS)**

**DANGER**

*PRINTS  
RED*



**CAN KILL IF SWALLOWED**

This product can kill you if swallowed even in small amounts; spray mist may be fatal if swallowed.



**CAN KILL BY SKIN CONTACT**

This product can kill you if touched by hands or spilled or splashed on skin, in eyes or on clothing (liquid goes through clothes).



**CAN KILL IF BREATHED**

This product can kill you if vapors or spray mist are breathed.

**USE ONLY WHEN WEARING THE FOLLOWING PROTECTIVE EQUIPMENT AND CLOTHING**

(1) Wear water-proof pants, coat, hat, rubber boots or rubber over-shoes (2) Wear safety goggles (3) Wear mask or respirator approved by the U.S. Bureau of Mines for EPN protection (4) Wear heavy duty, natural rubber gloves

**WORK SAFETY RULES**

Keep all unprotected persons and children away from treated area or where there is danger of drift.

Do not rub eyes or mouth with hands. If you feel sick in any way, STOP work and get help right away. Call doctor (physician, clinic or hospital) — immediately. Explain that the victim has been exposed to EPN and describe his condition. After first aid is given (see Statement of Practical Treatment) and if a doctor cannot come take victim to clinic or hospital.

**IMPORTANT!** Before removing gloves, wash them with soap and water. Always wash hands, face and arms with soap and water before smoking, eating or drinking.

**AFTER WORK** Take off all work clothes and shoes. Shower, using soap and water. Wear only clean clothes when leaving job. Do not wear contaminated clothing. Wash protective clothing and protective equipment with soap and water after each use. Respirator should be cleaned and filter replaced according to instructions included with respirator.

**POISON SIGNS (Symptoms)**

EPN is a very dangerous poison. It rapidly enters the body on contact with skin surfaces and eyes. Clothing wet with the material must be removed immediately. Exposed persons must receive prompt medical treatment or they may die.

Some of the signs and symptoms of poisoning are: Headache, nausea, vomiting, cramps, weakness, blurred vision, pin-point pupils, tightness in chest, labored breathing, numbness, sweating, watering of eyes, drooping or itching of mouth and nose, muscle spasms and coma.

**NOTE TO PHYSICIAN**

Antidote — administer atropine sulfate in large doses TWO to FOUR mg. Intravenously or intramuscularly as soon as symptoms are

overcome. Repeat at 5 to 10 minute intervals until signs of atropinization appear. 2-PAM chloride is also antidotal and may be administered in conjunction with atropine. DO NOT GIVE MORPHINE OR TRANQUILIZERS. EPN is a strong cholinesterase inhibitor affecting the central and peripheral nervous systems and producing cardiac and respiratory depression. At first sign of pulmonary edema, the patient should be given supplemental oxygen and treated symptomatically. Continued absorption of the poison may occur and fatal relapses have been reported after initial improvement. VERY CLOSE SUPERVISION OF THE PATIENT IS INDICATED FOR AT LEAST 48 HOURS.

For additional information on treatment of patients suffering from EPN poisoning, refer to booklet entitled "Clinical Memoranda on Economic Poisons", a publication of the U.S. Department of Health, Education and Welfare, Public Health Service, Communicable Disease Center, Atlanta, Georgia. This booklet also available thru the U.S. Government Printing Office, Washington, D.C.

**POST TREATED AREA**

Consult your State Agricultural Extension Service or Experiment Station regarding posting treated areas.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish and wildlife. Birds and other wildlife in treated areas may be killed. Do not apply directly to lakes, streams or ponds. Do not apply where weather conditions favor drift from treated areas. Do not apply where run-off is likely to occur. Do not contaminate water by cleaning of equipment or disposal of waste.

**PROTECT BIRDS**

This product is toxic to birds exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service. Apply this product only as specified on this label.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not eat, pour, spill, 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.

Do not apply or allow to drift to areas occupied by unprotected humans or beneficial animals. Vacated areas should not be re-entered until drifting insecticide and volatile residues have dissipated. Do not contaminate food or feed products. Workers entering treated fields within 24 hours after application should wear protective clothing.

**GROUND AND AIRCRAFT EQUIPMENT WATER RATES PER ACRE:** With conventional ground equipment, use amount of product indicated in sufficient water for adequate coverage. With concentrate sprayers or air application, do not use less than 3 gallons of dilute solution per acre.

**COTTON:** Cotton leafworm, Thrips and Yellow-striped armyworm - Use 1 gal. per 10 acres ( $\frac{1}{2}$  lb. active ingredient per acre). Boll Weevil - Use 1 gal. per 5 acres (1 lb. active ingredient per acre), beginning applications when 10% of squares are punctured or other insect damage is seen. Repeat at 5 day intervals until insect control is obtained. Bollworm - Use 1 gal. per 3.3 acres (1.5 lbs. active ingredient per acre) anytime bollworm eggs or 4 to 5 small worms per 100 terminals are found. Apply on a 5 day schedule until control is established. Cotton Fleahopper, Spider Mites - Use 1 pint per acre beginning application when insects first appear. Repeat at 5 day intervals as needed. Do not apply within 3 days of hand-picking or harvest.

**PEACHES:** Plum Curculio and Oriental Fruit Moth - Use 1 to  $1\frac{1}{2}$  quarts in 500 gals. of water and apply 150 to 200 gals. per acre. In concentrate sprayers or by airplane, use  $\frac{1}{3}$  to  $\frac{1}{2}$  quart per acre in water as indicated. Treatments should be made as directed by state spray schedules, usually with first spray following bloom and repeated applications as necessary for control. Peach Tree Borer and Lesser Peach Tree Borer - Use  $1\frac{1}{2}$  to  $2\frac{1}{2}$  quarts in 500 gals. of water and apply at approximately 50 gals. of spray per acre to thoroughly wet scaffold limbs and trunk. Apply as directed by state spray schedule, usually after harvest and at 30 day intervals for 2 to 4 sprays. Do not apply within 21 days of harvest.

**PECANS:** Hickory Shuckworm - Use 2 quarts in 500 gals. of water and apply 250 to 500 gals. per acre. In concentrate sprayers or by airplane, use 1 to 2 quarts per acre in water as indicated. Make 3 late applications beginning about shell hardening time which is usually about August 10 and follow with 2 additional spray applications at 2 week intervals. Pecan Weevil - Use 2 quarts in 500 gals. of water and apply 250 to 500 gals. per acre. In concentrate sprayers or by airplane, use 1 to 2 quarts per acre in water as indicated. Applications for Hickory Shuckworm will also control Pecan Weevil. If Pecan Weevil is the only pest to be controlled, make only 2 applications; the first when a minimum of 6 weevils can be jarred from the branches of any one tree which is usually about August 1 to 10.

Make second application 10 days to 2 weeks later. Pecan Nut Casebearer - Use  $1\frac{1}{2}$  quarts in 500 gals. of water per acre. In concentrate sprayers or by airplane, use 1 to  $1\frac{1}{2}$  quarts per acre in water as indicated. Make applications at the time nuts have turned brown. Leaf Casebearer - Use 2 quarts in 500 gals. of water and apply 250 to 300 gals. of water per acre. In concentrate sprayers or by airplane, use 1 to  $1\frac{1}{2}$  quarts per acre in water as indicated. Begin applications when insects or insect damage appears and repeat as necessary for control. Do not apply within 21 days of harvest.

CORN: Corn Rootworm - Apply as a spray at the rate of  $\frac{2}{3}$  to  $1\frac{1}{2}$  pints per acre in sufficient water to thoroughly cover plant surfaces including the leaf whorler. For aircraft application, use a minimum of 2 gallons of water per acre.

SWEET CORN AND FIELD CORN:

Apply when insects appear in sufficient numbers to damage silks and prevent pollination. Do not apply within 14 days of harvest. Do not enter treated fields within 24 hours following treatment. European Corn Borer - Apply as a spray at the rate of  $\frac{2}{3}$  to  $1\frac{1}{2}$  pints per acre in sufficient water to thoroughly cover plant surfaces, including the leaf whorler. For aircraft application, use a minimum of 3 gallons of water per acre.

SWEET CORN: Make first application when 25% of the plants show evidence of leaf feeding and continue at five day intervals as long as leaf feeding is evident. From one to three treatments may be required. For control of second brood borers, apply when eggs begin to hatch. Do not apply within 14 days of harvest.

FIELD CORN: Apply 10 days after eggs first hatch or when 75% of the plants show evidence of feeding in leaf whorls. Repeat 7 to 10 days later if new evidence of leaf feeding is present. For control of second brood borers, apply when eggs begin to hatch. Do not apply within 14 days of harvest.

SOYBEANS: Cotton Bollworm (corn earworm) on soybeans - Apply as a spray at the rate of  $1\frac{1}{2}$  quarts per acre in sufficient water to obtain thorough, uniform plant coverage. For aircraft application, use a minimum of 3 gallons of water per acre. Begin applications when counts show one bollworm per 3 feet of soybean row; repeat as needed. Do not graze or feed forage from treated fields to livestock within 21 days after last application.

**STORAGE AND  
DISPOSAL**

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

**PESTICIDE DISPOSAL**

Pesticide, spray mixture, or rinse water that cannot be used according to label instructions must be disposed of according to applicable Federal, State or local procedures.

**CONTAINER DISPOSAL**

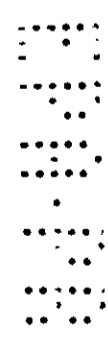
Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved state and local procedures.

**WARRANTY - CONDITION OF SALE:**

DIRECTIONS FOR USE of this product are based on field use and tests believed reliable and should be followed carefully. It is however impossible to eliminate all risks associated with use of this product. Because such factors as weather conditions, foreign material and manner of use for application are all beyond the control of Drexel Chemical Company or the Seller of this product, such things as crop injury, ineffectiveness or other unintended consequences may result.

**ALL SUCH RISKS ARE ASSUMED BY THE BUYER.**

Drexel warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the directions for use. Drexel makes no other warranties, express or implied, including FITNESS OR MERCHANTABILITY. In no case shall Drexel or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product. The foregoing is a condition of sale by Drexel Chemical Company and is accepted as such by the Buyer.



-2-

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 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.

Jay S. Ellenberger  
Product Manager (12)  
Insecticide-Rodenticide Branch  
Registration Division (TS-767)

Enclosure