

**RESTRICTED USE PESTICIDES**

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.

**METHYL PARATHION 4E****RECOMMENDATIONS**

**ALFALFA, VETCH** Spotted alfalfa aphids— $\frac{1}{2}$  to 1 pt. Apply in early spring. For the control of aphids, armyworms (up to 3rd instar), leathoppers, and mites— $2\frac{1}{2}$  pts. Do not apply within 20 days of harvest.

**ALFALFA HAY** Alfalfa weevil larvae. Apply  $\frac{3}{4}$  pt. per acre by ground or air. Apply when buds and shoots first appear ragged or when larvae count first reaches 25 per sweep. Do not apply within 15 days of harvest or grazing.

**ARTICHOKES, BEETS, CARRIOTS, CELERY, PEAS, PEPPERS** For the control of aphids, armyworms (up to 3rd instar), flea beetles, leathoppers, and mites— $1\frac{1}{2}$  pts. Do not apply within 15 days of harvest (21 days on carrots and beets if tops are to be used for food or feed).

**BEANS (green)** For the control of aphids, armyworms (up to 3rd instar), flea beetles, leathoppers and mites—2 pts. Do not apply within 20 days of harvest.

**TOMATOES** For the control of aphids, armyworms (up to 3rd instar), flea beetles, leathoppers, and mites—2 pts. Do not apply within 15 days of harvest.

**COLE CROPS** (Cabbage, Cauliflower, Broccoli, Brussels sprouts, Kale, and Kohlrabi) For the control of aphids, armyworms (up to 3rd instar), flea beetles, leathoppers, and mites—2 pts. Do not apply within 21 days of harvest.

**CORN** (Field Sweet and Popcorn) Adult corn rootworms (*Diabrotica virgifera*)—Use  $\frac{1}{2}$  pt. Repeat application if necessary. Workers entering treated fields the day of application should wear protective clothing. Do not apply within 12 days of harvest or grazing.

**COTTON** Aphids, boll weevil, cotton leafworm, fleahopper, red spider mites, thrips, cotton leaf perlator— $\frac{1}{2}$  to 1 pt. Application should be made at 4-5 day intervals until control is obtained. Do not hand pick or harvest within 7 days of application. Workers entering fields within 24 hours of application should wear protective clothing. For early season control of overwintering boll weevils, apply as early as the 2- to 4-leaf stage. Repeat 1-3 times at 7 to 10-day intervals. For mid-season control, apply at the start of squaring or after 10%-25% of the first squares are punctured and repeat at 3- to 8- day intervals as needed or until the top bolls are full grown. Repeat at 3-day intervals during the major fruiting season, and periods of heavy weevil migration.

**LETTUCE, SPINACH** For the control of aphids, armyworms (up to 3rd instar), flea beetles, leathoppers, and mites— $1\frac{1}{2}$  pts. Do not apply within 21 days of harvest.

**POTATOES** For the control of aphids, armyworms (up to 3rd instar), flea beetles, leathoppers, and mites—2 pts. Do not apply within 5 days of harvest.

**SMALL GRAINS** (Barley, Oats, Rye, and Wheat) Aphids (green bug), black grass bug (*Itrisia*), brown wheat mite (*Petrobria*) and stink bugs—Apply  $\frac{1}{2}$  to 1 pt. for armyworms (up to 3rd instar) and leathoppers, apply  $1\frac{1}{2}$  pts. Use Limitations:  $\frac{1}{2}$  pt. none, 1 to  $1\frac{1}{2}$  pts.—Do not apply within 15 days of harvest over  $1\frac{1}{2}$  pts.—Do not apply after heads begin to form.

**SOYBEANS** Stink bugs, three-cornered alfalfa hopper and velvet bean caterpillar—Apply  $\frac{1}{4}$  to 1 pt. Do not apply within 20 days of harvest. Do not apply more than twice per growing season.

The Federal Food and Drug Administration has set official tolerances for certain pesticide residues. In order that residues on food and forage crops will not exceed established tolerances, use only at recommended rates and do not apply closer to harvest than specified. Consult State Agricultural Experiment Stations for additional information regarding the timing of the applications.

**DIRECTIONS FOR USE**

Application should be made only by experienced personnel using approved safety equipment. Pour recommended amount of this material into nearly filled spray tank. Add balance of water to fill tank. Keep agitator running during filling, mixing, and spraying operations. Do not allow mixture to stand. If mixture does not mix readily, but tends to separate as an oily layer, do not use as injury to plants may result. Do not combine emulsifiable liquids with wettable powders in the same spray tank unless previous use of the materials being combined has proved them to be physically compatible.

**CAUTION**

This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service.

This product is toxic to fish, birds, and other wildlife.

Birds feeding on treated areas may be killed.

Keep out of lakes, streams, or ponds.

Do not apply where runoff is likely to occur.

Do not apply when weather conditions favor drift from areas treated.

Apply this product only as specified on this label.

**WARNING**

Poisonous if Swallowed, Inhaled, or Absorbed through skin. Rapidly absorbed through skin. Do not get in eyes, on skin, or on clothing! Wear natural rubber gloves, waterproof protective clothing and goggles. Wear a mask or respirator of a type passed by the U. S. Bureau of Mines for Methyl Parathion protection. Airplane pilots should wear full face canister type masks. Keep all unprotected persons out of operating areas or vicinity where there may be danger of drift. Vacated areas should not be re-entered until drifting insecticide and volatile residues have dissipated. Do not contaminate feed and foodstuffs. Wash hands, arms, and face thoroughly with soap and water before eating or smoking. Wash all contaminated clothing with soap and hot water before reuse. Do not apply or allow to drift to areas occupied by unprotected humans, beneficial animals or onto adjoining food and forage crops.

Do not apply during bloom when honey bees or other pollinators are active.

Rinse equipment and containers and dispose of wastes by burying in non-crop lands away from water supplies. Containers should be disposed of by punching holes in them and burying with wastes.

**POISONING SYMPTOMS** Headache, blurred vision, weakness, nausea, cramps, diarrhea, and discoloration of the chest.

**ANTIDOTE** Atropine is the specific antidote. Obtain emergency supply of Atropine 1/100 gram tablets or 2-PAM from your physician. Keep on hand.

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See additional warnings and antidote statements on label attached to container.

**DANGER: KEEP OUT OF REACH OF CHILDREN**

# METHYL PARATHION 4E



**ACCEPTED**  
 Distributed By **SMITH-DOUGLASS**  
 SEP 27 1978  
 DIVISION OF BORDEN CHEMICAL, BORDEN INC.  
 Under the Federal Insecticide, Fungicide, and Rodenticide Act  
 as amended, for the pesticide  
 registered under  
 EPA Reg. No. 4185-256

*Transferred to 1386-635*

CALL A PHYSICIAN IMMEDIATELY if persons handling or working with Methyl Parathion develop poisoning symptoms

**FIRST AID TREATMENT IF SWALLOWED** Give tablespoonful of salt in glass of warm water Repeat until vomit fluid is clear Have victim lie down and keep quiet **INHALATION** Remove patient from contaminated atmosphere **SKIN**, in case of contact, remove contaminated clothing and immediately wash skin thoroughly, with soap and water **EYES**, in case of contact, flush immediately, with water for at least 15 minutes **INFORMATION FOR PHYSICIAN (Treatment)** Give atropine preferably by injection grains 1/30 to 1/15 (2 to 4 mg) at once and every hour or oftener as needed to achieve and maintain full atropinization Never give morphine Clear chest by postural drainage Artificial respiration or oxygen administration may be necessary Observe patient continuously for 48 hours

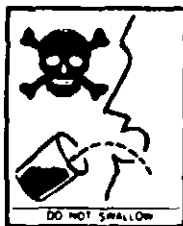
**NOTICE** Seller warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use but seller makes **NO WARRANTY OF MERCHANTABILITY** or **FITNESS FOR A PARTICULAR PURPOSE** or any other warranty express or implied, except as herein stated. Seller's liability is limited to the purchase price of the product and this shall be the buyer's only remedy Buyer assumes the risk of use of this product contrary to label instructions, carelessly, or under conditions not intended by or not reasonably foreseeable to seller

**POISON DANGER**



EK Registration No 4185-256

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**DANGER—POISON—PRECAUTIONS** 

**CAN KILL YOU IF SWALLOWED**

This product can kill you if swallowed even in small amounts. Spray mist or dust may be fatal if swallowed.



**CAN KILL YOU 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 YOU IF BREATHED**

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

**POISONOUS TO FISH AND WILDLIFE**

This product is toxic to fish and wildlife. Birds and other wildlife in treated areas may be killed. Keep out of any body of water. Do not apply when weather conditions favor drift from treated areas. Do not apply where runoff is likely to occur.

Distributed By **SMITH-DOUGLASS**  
Division of Borden Chemical, Borden Inc.  
Norfolk, Va.

**RESTRICTED USE**  
For retail sale and use only by Certified direct supervision, and only for those uses Certification.

**POISON**  
See side panels  
for antidote  
and precautions



**METHYL PARATHION**

**ACTIVE INGREDIENTS:**  
\*O, O-dimethyl O-p-nitrophenyl t  
Xylene Range Aromatic Hydrocarbons  
**INERT INGREDIENTS:** .....

\*Methyl Parathion

TOTAL.....

**NOT FOR HO**

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

(1) Wear water-proof pants, coat, hat, rubber boots or rubber overshoes (2) Wear safety goggles (3) Wear mask or respirator approved by the U.S. Bureau of Mines for parathion 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 a doctor (physician), clinic or hospital—immediately.

Explain that the victim has been exposed to parathion and describe his condition. After first aid is given (see First Aid Treatment Section) 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.

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### ★ POISON SIGNS (Symptoms)

Parathion is a very dangerous poison. It rapidly enters the body on contact with all skin surfaces and eyes. Clothing wet with this 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, nervousness, sweating, watering of eyes, drooling or frothing of mouth and nose, muscle spasms and coma.

### ✚ FIRST AID TREATMENT ✚

Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to parathion 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 vomit quickly. Induce vomiting by sticking finger down throat or by giving soapy or strong salty water to drink. Repeat until vomit is clear. Never give anything by mouth 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.

### NOTE TO PHYSICIAN

Antidote—administer atropine sulfate in large doses, TWO to FOUR mg intravenously or intramuscularly as soon as cyanosis is 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 TRANQUILIZER. Parathion 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.

DO NOT USE POUR, SPILL OR STORE NEAR HEAT OR OPEN FLAME.

### POST TREATED AREA

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

### CONTAINER DISPOSAL

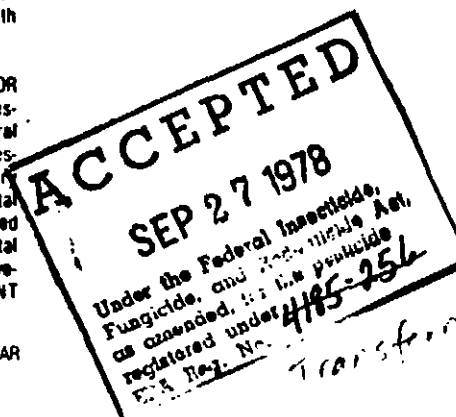
See attached label for proper disposal.

### CROP USE DIRECTIONS

Use only according to attached label instructions.

EPA Reg. No. 4185-256

EPA Establishment # 4185-NC-1



Transferred to 386-635

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