

<p style="text-align: center;">U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (WH-567) WASHINGTON, D.C. 20460</p> <p>NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION</p> <p style="text-align: center;"><i>(Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)</i></p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 2px;">EPA REGISTRATION NO. 1339-223</td> <td style="width: 50%; padding: 2px;">DATE OF ISSUANCE 1/20/86</td> </tr> <tr> <td colspan="2" style="padding: 2px;">TERM OF ISSUANCE 12/31/86</td> </tr> <tr> <td colspan="2" style="padding: 2px;">NAME OF PESTICIDE PRODUCT BIO-1000</td> </tr> </table>	EPA REGISTRATION NO. 1339-223	DATE OF ISSUANCE 1/20/86	TERM OF ISSUANCE 12/31/86		NAME OF PESTICIDE PRODUCT BIO-1000	
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<p>NAME AND ADDRESS OF REGISTRANT (Include ZIP code)</p> <div style="border: 1px solid black; height: 100px; width: 100%;"></div>							
<p>NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to 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 U.S. EPA registration number.</p>							
<p>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.</p> <p>A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.</p> <p>Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his 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 this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p> <p>1. For the purpose of this registration, the registrant agrees to accept the following conditions:</p> <p>2. All the phrase "EPA Registration No. 1339-223" to appear on all labels for the product.</p> <p>3. Label must contain your name and address, and a statement that the product is sold in accordance with the label instructions.</p> <p>If these conditions are not complied with, the registration shall be subject to cancellation in accordance with FIFRA, sec. 6(c). The release for shipment of the product constitutes acceptance of these conditions.</p> <p>A stamped copy of the label is enclosed for your record.</p> <p style="text-align: right;">Sincerely, Director, Registration Division U.S. Environmental Protection Agency Washington, D.C. 20460</p> <p>Enclosure</p>							
<p><input type="checkbox"/> ATTACHMENT IS APPLICABLE</p>							
<p>SIGNATURE OF APPROVING OFFICIAL</p> <p><i>[Signature]</i></p>	<p>DATE</p> <p>1/20/86</p>						

PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS

Keep Out of Reach of Children

DANGER!

POISONOUS IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. RAPIDLY ABSORBED THROUGH SKIN. REPEATED EXPOSURE MAY WITHOUT SYMPTOMS, BE INCREASINGLY HAZARDOUS.

Do not breathe vapors or spray mist.

Do not get in eyes, on skin or on clothing.



POISON SIGNS (Symptoms)



Methyl 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: headaches, nausea, vomiting, cramps, weakness, blurred vision, pin point pupils, lightness in chest, labored breathing, nervous sweating, watering of eyes, drooling or frothing of mouth and nose, muscle spasms and coma.



POISON

ATROPINE IS AN ANTIDOTE. CONSULT PHYSICIAN FOR EMERGENCY SUPPLY.

CALL A PHYSICIAN AT ONCE IN ALL CASES OF SUSPECTED METHYL PARATHION POISONING.

If symptoms or signs of poisoning include blurred vision, abdominal cramps, and lightness in the chest, do not wait for a doctor but give two atropine tablets (each 1/100 grain or 0.65 milligrams) at once (One tablet to children under five years of age).

NOTE TO PHYSICIAN

Antidote - administer atropine sulfate in large doses. TWO to FOUR mg. intravenously or intramuscularly at soon as cyanosis is overcome. Repeat at 5 to 10 minute intervals until signs of atropinization appear. 2-PAM chloride is a pharmacologic antidote and may be administered as an adjunct to but not a substitute for atropine which is a symptomatic and often life-saving antidote. DO NOT GIVE MORPHINE, THEOPHYLLINE, THEOPHYLLINE ETHYLENE-DIAMINE (AMINO-PHYLLINE), PHENOTHIAZINES OR PHENOTHIAZINE TYPE OF TRANQUILIZERS AS THESE ANTIDOTES MAY PRODUCE ADVERSE EFFECTS ACCENTUATING THE PHARMACOLOGIC EFFECT OF THIS PRODUCT. This product 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 vital improvement. VERY CLOSE SUPERVISION OF THE PATIENT IS INDICATED FOR AT LEAST 48 HOURS.

WORK SAFETY RULES

REPEATED EXPOSURES TO CHOLINESTERASE INHIBITORS SUCH AS ARE CONTAINED IN THIS PRODUCT MAY, WITHOUT WARNING CAUSE PROLONGED SUSCEPTIBILITY TO VERY SMALL DOSES OF ANY CHOLINESTERASE INHIBITOR.

Persons working with this product should have frequent blood tests of their cholinesterase levels. If the cholinesterase level falls below a critical point, no further exposure should be allowed until it has been determined by means of blood tests that the cholinesterase level has returned to normal. Before using this product, consult the State Agricultural Extension Service or Experimental Station for specific recommendations regarding blood tests.

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 - 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 methyl 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.

If handled indoors, provide mechanical exhaust ventilation.

HANDLE ONLY WHEN WEARING THE FOLLOWING PROTECTIVE EQUIPMENT AND CLOTHING

(1) Wear waterproof pants, coat, hat, rubber boots or rubber overshoes. (2) Wear safety goggles. (3) Wear a pesticide respirator jointly 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 provisions of 30CFR Part II. (4) Wear heavy duty, natural rubber gloves.

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.

RESTRICTED USE PESTICIDE

STOP-READ LABEL

KETOK

Emulsifiable
Methyl Parathion

Each gallon contains 5.0 lbs. Methyl Parathion and

ACTIVE INGREDIENTS:

O,O-Dimethyl O-p-nitrophenyl phosphorothioate
Related compounds

Permethrin

(3-Phenoxyphenyl)methyl (±)-cis,trans-3-(2,2-dichloropropanecarboxylate)*

INERT INGREDIENTS

TOTAL

*Methyl Parathion and related compounds equivalent

**Cis/trans ratio: Min. 35% (±) cis and max. 65%

Keep Out of Reach



STATEMENT OF POISONING

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

If breathing has stopped, start artificial respiration.

If swallowed - Drink 1 to 2 glasses of water. Do not induce vomiting. Get medical attention.

In case of contact, immediately flush eye with water. Remove contaminated clothing or shoes.

SEE SIDE PANELS FOR ADDITIONAL INFORMATION

EPA Est. No. 1339-LA

ENVIRONMENTAL HAZARD

This product is toxic to fish, birds and other wildlife. Do not apply directly to lakes, streams and ponds. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where these are important resources. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

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

PHYSICAL OR CHEMICAL HAZARD

Combustible. Do not use, pour, spill or store near heat or flame in case of

FIRE, use water spray, foam, dry chemical or CO₂.

SPILL or LEAK, keep all unprotected persons away. Cover with absorbent such as soda ash, lime, clay or sawdust. Sweep up and bury. Wash area thoroughly with strong lye solution.

DIRECTIONS FOR USE

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

ATTENTION

TO PREVENT PERSONAL INJURY AND POSSIBLE FATALITIES.

Keep all persons and animals out of treated areas for 48 hours. Workers entering treated fields within 48 hours must wear protective clothing.

Vacated areas should not be re-entered until drifting insecticide and volatile residues have dissipated. Do not use in any manner other than recommended on this label.

To avoid excessive residues of methyl parathion on food or forage crops, always observe the statements found under "Directions for Use," limiting the time before harvest when methyl parathion may be applied.

Because this material is poisonous by skin contact, inhalation or swallowing, it should not be used in such a manner or under weather conditions that would result in exposure to the user.

HAZARDOUS WASTE

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 under Subtitle C of the Resource Conservation and Recovery Act.

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.

Apply KE FOXIL NO. 52 to cotton as shown in the chart below, using sufficient spray to obtain full coverage of foliage. The higher rates of KE FOXIL NO. 52 may be required under conditions of heavy lepidopterous worm infestation, or when boll weevils, or late instars of larvae are present. KE FOXIL NO. 52 aids in the reduction of lepidopterous egg hatch by contact action. Timing and frequency of spraying should be based upon insect populations reaching local economic thresholds. Apply as required by scouting reports, usually at intervals of 5 to 7 days. Do not apply within 14 days of harvest.

COTTON SPRAY RECOMMENDATIONS

Target Pests	Dosage Per Acre	Minimum Spray Volume Per Acre
Bollworm	0.4	Minimum of
Tobacco Budworm	to	1.5 gal. by
Pink Bollworm	0.8	air or
Boll Weevil	1.0	minimum of
Lygus Bugs		5 gal. by
Cabbage Looper		ground
Cotton Leafworm		
Whitely		
Cotton Aphid		

RATE CONVERSION CHART

Lb Permethrin Active/Acre	Lb Methyl Parathion Active/Acre	Fluid Ozs/Acre	Pints/Acre	Acres Treated/Gal
0.10	0.2500	6.4	0.4	20.0
0.125	0.3125	8.0	0.5	16.0
0.15	0.3750	9.6	0.6	13.3
0.175	0.4375	11.2	0.7	11.4
0.20	0.5000	12.8	0.8	10.0

REMARKS

Do not graze livestock in treated areas.
Do not apply more than 12 ounces per acre per season.
Do not plant any crop except cotton within 60 days after last application.
Any crop may be planted if it is not harvested or grazed.
Only suppression can be expected when utilized on a 5-7 day schedule.

NOTICE TO BUYER AND USER: Seller warrants that the product conforms to the chemical description in the label and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal use conditions, or under conditions not reasonably foreseeable to Seller and Buyer and User assumes the risk of any such use. Seller disclaims all other warranties expressed or implied including any warranty of fitness or merchantability. Seller shall not be liable for any consequential special or indirect damages resulting from the use or handling of this product and Seller's sole liability and Buyer's and User's exclusive remedy shall be limited to the refund of the purchase price.

ACCEPTED
with COMMENTS
In EPA Letter Dated:

JAN 30 1986

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

1339-223