

16-OCT-2001

(( LABEL ))

**PARATHION**

**SMOKE FUMIGATOR**

**FOR USE ON GREENHOUSE ORNAMENTALS, GREENHOUSE CUCUMBERS  
AND TOMATOES UP TO ONE DAY BEFORE PICKING AND GREENHOUSE  
LETTUCE UP TO SEVEN DAYS BEFORE PICKING.**

**TREAT 300 CUBIC METRES**

**GUARANTEE:**  
Parathion 7% in the smoke

**NET WEIGHT 150 g**

**RESTRICTED**

REGISTRATION No. 8779

PEST CONTROL PRODUCTS ACT

**DANGER**

**POISON**

**FLAMMABLE**

READ THE LABEL AND ATTACHED PAMPHLET BEFORE USING

KEEP OUT OF REACH OF CHILDREN  
Plant Fume

PLANT PRODUCTS CO. LTD.  
BRAMPTON, ONTARIO  
L6T 1G1

CAUTION: Place cans at least 3 metres  
from combustible material such as straw, paper, etc.

PUNCTURE HERE WITH TOOL PROVIDED

**NOTICE TO USER:**

This product is to be used only in accordance with the directions on this label. It is an offence under the Pest Control Act to use a control product under unsafe conditions.

#### **NATURE OF THE RESTRICTION:**

This product must be stored apart from lodging for humans, animal quarters and normal work areas, to avoid inadvertent exposure. This product must be stored under lock and key and away from food and feed. All precautionary measures on the label must be followed when using this product.

#### **FIRST AID:**

If swallowed and victim is conscious, induce vomiting immediately by giving 1 or 2 glasses of water and touching back of throat with finger. Repeat until vomit fluid is clear. If victim is unconscious, do not give anything by mouth and do not induce vomiting. Get medical attention immediately. Take this label with you to the physician or poison control centre.

In case of skin or eye contact, immediately flush eyes at least 15 minutes; wash skin with plenty of soap and water. Remove contaminated clothing including footwear. Get medical attention immediately. Take this label with you to the physician or poison control centre.

In case of inhalation, move victim to fresh air and call a physician immediately. If breathing has stopped, start artificial respiration immediately and continue until medical attention is received.

CONTACT A PHYSICIAN IMMEDIATELY IN CASES OF SUSPECTED POISONING.

#### **STORAGE AND DISPOSAL:**

Ethyl parathion products should be stored under lock and key. Do NOT contaminate water, food or feed during storage or disposal. Parathion should be stored at temperatures not exceeding 25°C (77°F), nor should it be heated above 55°C (131°F). Make the empty container unsuitable for further use. Empty containers and excess unused product should be disposed of in accordance with provincial regulations. For additional details and cleanup of spills, contact the Provincial Regulatory Agency or the manufacturer.

FOR DIRECTIONS FOR USE, PRECAUTIONS and TOXICOLOGICAL INFORMATION see attached pamphlet.

(( PAMPHLET ))

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SUCH AS STRAW, PAPER, ETC.

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#### **DIRECTIONS FOR USE:**

Recommended to control spider mite, aphids, whitefly, thrips, mealybugs, leafrollers, tarnished plant bug, caterpillars and leafhoppers on greenhouse ornamentals, greenhouse cucumbers and tomatoes (up to one day before picking) and to control green peach aphids on greenhouse lettuce (up to seven days before picking). For greenhouse lettuce do not apply more than twice per season.

Greenhouse should be tightly closed and temperature maintained at 22-25°C. Smoke fumigators should be placed in such a manner to prevent the smoke from hitting the plants nearby. It is preferable to place the fumigators above the plants to allow the smoke to disperse throughout the greenhouse. For tall plants this can be done by wiring the fumigators to a post or by attaching it firmly to a board across the top wires.

Puncture the side of the can with two holes at points indicated using the can opener provided.

For even distribution, use one can every 300 cubic metres, spacing the fumigators throughout the house. Light the igniter with a match. Drop the lighted igniter through one of the holes in the side of the can. Ignition will take place immediately, and smoke emission builds up slowly. Where the greenhouse being fumigated requires that fumigators be placed in more than one walk, it is recommended that one person be assigned to light the fumigators in each walk, starting at the end furthest from the exit, so that fumigation may start simultaneously and the persons exit from the house simultaneously.

If a circulating fan is present in the greenhouse, it should be turned on for about 15 minutes to ensure uniform coverage.

Overnight fumigation should be carried out. A quiet day should be selected for fumigation, as windy weather causes loss of smoke and drift

of fumes.

**PRECAUTION:**

KEEP OUT OF REACH OF CHILDREN AND ANIMALS

Acutely hazardous to humans and domestic animals. Fatal poisoning can result from breathing, swallowing or through skin absorption. DO NOT inhale, get on skin or in eyes. DO NOT apply this product in such a manner as to directly or indirectly expose workers or other persons. Keep all unprotected persons, children and animals away during use, when re-entering treated areas or where there is danger of drift.

DO NOT USE PLANT-FUME PARATHION IN GREENHOUSES WHICH ARE ATTACHED TO OTHER BUILDINGS. Smoke from the greenhouse could leak into the building. Supplied air must be used if there is exposure to the smoke.

VENTILATE GREENHOUSE THOROUGHLY AFTER FUMIGATION. Ventilate greenhouse wearing full face respirator with appropriate canister. When re-entering greenhouse, wear protective clothing including coveralls over long-sleeved shirt and long pants and chemically-resistant gloves and boots. If a person with a beard is required to wear a respirator, the beard should be shaved to ensure good respirator fit.

Post houses under treatment. Do not exceed recommended dosages. Repeated exposure to cholinesterase inhibitors such as parathion may, without warning, cause prolonged susceptibility to very small doses of any cholinesterase inhibitor. Periodic medical supervision of applicators and harvesters is recommended (including baseline cholinesterase measurement). If symptoms of parathion poisoning such as headache, nausea, trembling, or blurred vision develop while using parathion, STOP WORK IMMEDIATELY and seek medical attention.

**IMPORTANT:**

Before removing gloves after contacting parathion, wash them with soap and water. Immediately after each use, wash protective equipment including the insides of gloves with soap and hot water thoroughly rinse before re-use. Respirator should be cleaned and filter replaced according to instructions included with respirator. Users should be trained in the safe use and handling of parathion.

**ENVIRONMENTAL HAZARD:**

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 favour 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 wastes.

#### **FIRST AID:**

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In case of inhalation, move victim to fresh air and call a physician immediately. If breathing has stopped, start artificial respiration immediately and continue until medical attention is received.

CONTACT A PHYSICIAN IMMEDIATELY IN CASES OF SUSPECTED POISONING.

#### **TOXICOLOGICAL INFORMATION:**

Parathion, an organophosphorous insecticide, is a cholinesterase inhibitor which is rapidly absorbed through the skin and eyes. Poisoning can also result from inhalation, and swallowing. Symptoms of parathion poisoning include: headaches, nausea, vomiting, abdominal cramps, weakness, blurred vision, pin-point pupils, tightness in chest, laboured breathing, nervousness, sweating, watering of eyes, drooling or frothing of mouth and nose, muscle spasms, and coma. Poisoning can be fatal.

#### **ANTIDOTE:**

Administer atropine sulphate in large doses. TWO to FOUR mg intravenously or intramuscularly as soon as cyanosis (blueness of skin due to lack of oxygen) has been treated. Repeat at 5 to 10 minutes 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 OR TRANQUILLIZERS.

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 relapse has been reported after initial improvement;

VERY CLOSE SUPERVISION OF THE PATIENT IS INDICATED FOR AT LEAST 48 HOURS.

**STORAGE AND DISPOSAL:**

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