

27-JUN-2002

GROUP	1B	INSECTICIDE
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PARATHION 15W INSECTICIDE

RESTRICTED

DANGER POISON

KEEP OUT OF REACH OF CHILDREN
READ THE LABEL BEFORE USING

GUARANTEE: Parathion 15%

REGISTRATION NO. 14952 PEST CONTROL PRODUCTS ACT

Use of this product is not permitted after October 31, 2003.

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

NATURE OF THE RESTRICTION: This product must be stored under lock and key. To avoid inadvertent exposure; this product must be stored away from human lodging and animal quarters and normal work areas. This product is to be stored and displayed apart from food or feed. All precautionary measures outlined on the label must be followed when using this product.

DIRECTIONS FOR USE

Begin treatment when pests are first noticed. **DO NOT APPLY TO ANY CROP MORE THAN 2 TIMES PER SEASON.** Follow provincial calendar recommendations for proper timing and spray intervals. For tree fruit uses on Apple, Apricot, Cherry, Peach, Pear, Plum, Prune, avoid application during very hot still weather. Do not apply within the number of days of harvest given in the pre-harvest interval for each crop.

TREE FRUIT CROPS:

FOR DILUTE GROUND APPLICATIONS, USE DESIGNATED AMOUNT OF PARATHION IN 1000 LITRES OF WATER UNLESS OTHERWISE SPECIFIED.

For Apples, Apricot, Cherry, Peach, Pear, Plum and Prune, the rate per hectare is based on using 3000 L of spray on full sized trees 4.5-5.5 metres high. Trees smaller or larger may require more or less Parathion. Follow provincial calendar guidelines as to water volumes for the size of tree being spray. **NOTE:** For concentrate sprayer applications, apply the same quantity of Parathion/ha as would be applied when spraying dilute.

TREE FRUIT CROPS	PESTS	RATE OF PRODUCT PER 1000 L	PRE- HARVEST INTERVAL (DAYS)
Apple	Apple aphid, Codling Moth, Eyespotted bud moth, Lecanium scale, Mealybug, Oriental fruit moth, Oystershell scale, Plant bug, Plum curculio, Redbanded leafroller, San Jose scale, Woolly aphid	1.75 - 2.5 kg	14
Apricot	Aphids, Cottony peach scale, Lecanium scale, Oriental fruit moth, Oystershell scale, Plant bug, Plum curculio, San Jose scale, Shothole borer	1.75 - 2.5 kg	14
Cherry	Aphids, Black cherry aphid, Cherry fruit fly, Mealybug, Oystershell scale, Plum Curculio, San Jose scale, Shothole borer	1.75 - 2.5 kg	14
Peach	Aphids, Cottony peach scale, Eyespotted bud moth, Lecanium scale, Mealybug, Oriental fruit moth, Oystershell scale, Plant bug, Plum curculio, San Jose scale, Shothole borer.	1.75 - 2.5 kg	14
Pear	Aphids, Codling moth, Eyespotted bud moth, Lecanium scale, Mealybug, Oystershell scale, Plant bug, San Jose scale, Woolly aphid.	1.75 - 2.5 kg	14
Plum, Prune	Aphids, Lecanium scale, Mealybug, Oystershell scale, Plant bug, Plum curculio, San Jose scale.	1.75 - 2.5 kg	14
OTHER CROPS	PEST	RATE OF PRODUCT PER HECTARE	PRE- HARVEST INTERVAL (DAYS)
Beet	Aphids, Armyworm, Leafminer Thrips, Webworm	1.5 - 2.25 kg	14
Carrots	Carrot rust fly.	2.25 kg	14
Celery	Aphids, Cabbage looper, Caterpillar, Celery worms, Pasleyworm, Spider mite, Thrips, Whitefly, Carrot rust fly	1.5 - 2.25 kg	14

Grape	Grape mealybug, Leafhopper, Mealybug Leafroller	1.75 - 2 kg	20
Lettuce	Aphids, Armyworm, Cabbage looper, Leafhopper, Leafminer, Leafroller, Spider mites, Thrips, Whitefly.	1.5 - 2.25 kg	21 - Head 7 - Leaf
Onion	Aphids, Leafhopper, Onion (Adult) maggot, Onion maggot, Onion thrips, Spider mite, Whitefly.	1.5 - 2.25 kg	14
Spinach	Aphids, Leafminer, Webworm, Whitefly	1.5 - 2.25 kg	7
Strawberry	Blossom weevil, Strawberry fruitworm, Mealybug, Strawberry leafroller	1.75 - 2 kg in 1000 L of water	20

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. 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. 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, blurred vision, etc. develop while using parathion, STOP WORK IMMEDIATELY and seek medical attention. DO NOT APPLY BY AIR.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, please note that PARATHION Insecticide contains a Group 1B insecticide. Any insect population may contain individuals naturally resistant to PARATHION Insecticide and other Group 1B insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same fields. Other resistance mechanisms that are not linked to site of action but are specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance:

- Where possible, rotate the use of PARATHION Insecticide or other Group 1B insecticides with different groups that control the same pests in a field.
- Avoid application of more than 2 times and consecutive sprays of PARATHION Insecticide or other insecticides in the same group in a season.
- Use tank mixtures with insecticides from a different group when such use is permitted.
- Insecticide use should be based on an IPM program that includes scouting, record keeping and crop rotation and considers cultural, biological and other chemical control

practices.

- Monitor treated pest populations for resistance development.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information and to report suspected resistance, contact the Technical Service, United Agri Products, 1-800- 265-4624 or at www.uap.ca.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., contact 1-866-375-4648 or www.cropro.org/.

WORKER PROTECTION

During mixing, loading, clean-up and repair, wear protective clothing including coveralls over a long sleeved shirt and long pants, a chemical resistant apron, an approved full faced respirator for organophosphorous pesticides, chemical resistant (rubber, neoprene) footwear and gloves.

During application using airblast equipment (except in closed cabs with filtered air) and when using hand held equipment, wear full protective clothing including chemically resistant coveralls with a hood over a long sleeved shirt and long pants, an approved full faced respirator for organophosphorous pesticides, chemical resistant (rubber, neoprene) footwear and gloves.

During application with airblast equipment with fully enclosed cabs/cockpits with filtered air, and ground boom equipment, wear protective clothing including coveralls over a long sleeved shirt and long pants, and chemical resistant footwear. Chemical resistant (rubber, neoprene) gloves should be available in the cab or cockpit.

IMPORTANT; this clothing is NOT adequate to protect you during loading, mixing, repairing or cleaning equipment, or re-entering treated areas.

Do not re-enter treated area within 48 hours after spraying. If workers must re-enter treated area, between 2 and 14 days after spraying, protective clothing including coveralls over a long sleeved shirt and long pants, and a chemically resistant hat or hood, chemically resistant (rubber, neoprene) footwear and gloves must be worn.

If persons with a beard are required to wear a respirator, the beard should be shaved to ensure a good respirator fit. Avoid contact with parathion dust, wettable powder, or emulsifiable concentrate liquid. Important: Before removing gloves after contacting parathion, wash them with soap and water. Wash hands and face thoroughly with soap and water before eating, drinking, smoking or using the toilet during working hours.

Wear freshly laundered work clothing and clean protective equipment daily.

After each use, remove all work clothing and footwear. Wash protective clothing separately from other household laundry with heavy-duty detergent and hot water.

Immediately after each use, wash protective equipment including the insides of gloves with soap and hot water and thoroughly rinse before re-use. Respirator should be cleaned and filter replaced according to instructions included with respirator. Immediately after working with parathion, workers must wash entire body with soap and water and change into clean clothing.

Do not mix, load or apply indoors. Always work to the windward side when handling or spraying parathion products. Do not use parathion on excessively hot days. Do not use parathion products with ultra low volume hand held sprayers. Users should be trained in

the safe use 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

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 or contact a poison control centre. Take this label with you to physician.

IN CASE OF SKIN OR EYE CONTACT, IMMEDIATELY flush eyes at least 15 minutes; wash skin with plenty soap and water. Remove contaminated clothing including footwear. Get medical attention . Take this label with you to physician. 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.

IN CASES OF SUSPECTED POISONING, CONTACT A PHYSICIAN IMMEDIATELY OR CONTACT A POISON CONTROL CENTRE.

Take container, label or product name and Pest Control Registration Number with you when seeking medical attention.

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 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 OR TRANQUILIZERS. Parathion is a strong holinesterase 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 initial improvement; VERY CLOSE SUPERVISION OF THE PATIENT IS INDICATED FOR AT LEAST 48 HOURS.

STORAGE

Parathion products should be stored under lock and key. DO NOT contaminate water, food, or feed during storage. Parathion should be stored at temperatures not exceeding

25°C (77°F), nor should it be heated above 55°C (131°F).

DISPOSAL

1. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
2. Make the empty container unsuitable for further use.
3. Dispose of the container in accordance with provincial requirements.
4. For information on the disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial agency in case of a spill, and for clean-up of spills.

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

NOTICE TO BUYER: Seller's guarantee shall be limited to the terms set out on the label and subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

UNITED AGRI PRODUCTS
789 Donnybrook Drive
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NET CONTENTS: 10 kg

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