

89.01.30

GUARDSMAN(R)

CYTHION 1000

Liquid grain protectant and insecticide contains
Malathion emulsifiable concentrate

For control of insects in stored grains, granaries, crops, ornamentals and
mosquitoes and flies in barns and around dwellings, gardens, parks, etc.

AGRICULTURAL

CAUTION

POISON

READ THE LABEL BEFORE USING

REGISTRATION NO. 11398
PEST CONTROL PRODUCTS ACT

GUARANTEE:
MALATHION....1000 grams per litre

NET CONTENTS LITRES

VAN WATERS & ROGERS LTD.
9800 Van Horne Way
Richmond, B.C.
V6X 1W5

DIRECTIONS FOR USE

Partially fill tank with water, start agitator, then add required amount of
CYTHION 1000. Maintain gentle agitation during spraying. Apply in
sufficient water to obtain thorough coverage of plants.

APPLICATION RATES
Days Before Harvest = DBH

CROP	INSECTS	RATE PER HECTARE	REMARKS	DBH
Blueberries	Fruitworm	700 mL	Make first application at egg hatch and repeat 3 times 4-5 day intervals.	DBH 3
	Leaf Rollers	1.4 L/1000 L water	In B.C. apply late April - early May before blossoms open, late June between last blossom and one week before harvest. Do not apply during blossom period.	DBH 7
	Spanworms	1.4 L/ 1000 L water	In B.C. apply late March - early April. Do not apply during blossom period.	DBH 7
	Black Vine Weevil	1.4 L	Apply when temp.is above 21 deg. C.	DBH 3
	Aphids	.55 L	Repeat as necessary.	DBH 1
Raspberries Logan-berries, Black-berries	Mites, Aphids Thrips, Leafhoppers		Make thorough coverage application and repeat as necessary.	DBH 7
Straw-berries	Mites, Aphids Leaf Rollers		Make thorough coverage application and repeat as necessary.	DBH 3
Brussel Sprouts, Broccoli Cabbage Cauliflower	Aphids, Cabbage Looper	700 - 1500 mL 2 L	Make thorough coverage application and repeat as necessary.	DBH 7
Peas	Aphids	1 L	Spray in sufficient water for coverage.	DBH 3

Potatoes	Aphids, Leafhopper	1 L	Make thorough coverage application and repeat as necessary.	DBH 3
Celery	Aphids	1 L	Make thorough coverage application and repeat as necessary.	DBH 7
Lettuce	Aphids, Cabbage Looper	700 - 1500 mL	Make thorough coverage application and repeat as necessary.	DBH 3
Ornamentals Roses, etc.	Mites, Aphids, Thrips, Whitefly, Mealybugs	1 L	Make thorough coverage application and repeat as necessary. For small areas, use 10 mL CYTHION 1000 per 10 litres water.	

*CAUTION: Injury may occur on Petunias, certain ferns and on some species of Crassula, African Violets, Hex and Juniper.

GRAIN BINS, ELEVATORS AND CONVEYORS

To control insects listed below, dilute 3 litres of CYTHION 1000 in 100 litres of water and spray walls, floors and machinery after thorough cleaning has been done and sweepings have been removed and burned. Use a coarse spray at the rate of 5 litres of the diluted mix per 100 square metres. Make sure spray is forced into cracks and crevices. Apply to cleaned bins 2-4 weeks before introducing grain and repeat as necessary while bin is empty. If grain is put in bin immediately after bin is sprayed wait 7 days from date of treatment before using or selling grain.

STORED GRAIN

Grain	Rate per ton of grain	Insects Controlled	Remarks
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Corn	11 mL in 1 L of water	Rusty Grain Beetle,	The diluted mix must be sprayed uniformly onto grain as it is moved into final storage.
Barley	13 mL diluted in 1 L of water	Grain mite,	
Oats	18 mL diluted in 1 L of water	Granary Weevil	
Rye	11 mL diluted in 1 L of water	Confused Flour Beetle, Indian	
Wheat	10 mL diluted in 1 L of water	Meal Moth, Sawtoothed Grain Beetle, Flat Grain Beetle, Lesser Grain Borer	

CAUTION: DO NOT SELL OR USE TREATED GRAIN FOR 7 DAYS AFTER TREATMENT.

MOSQUITO ADULTS & FLYING INSECTS

Use a 5% space spray by diluting at the rate of 1 part CYTHION 1000 to 19 parts of water, diesel oil or fuel oil. Apply 11 litres of the diluted spray per hectare as a fog.

FLY CONTROL

For the control of flies in and around buildings which house domestic animals around yards and homes, dilute 1 litre CYTHION 1000 in 100 litres of water and spray where flies alight or congregate, such as walls, ceilings, stanchions, windows in dairy barns and around garbage cans, manure piles, etc., use 5-10 litres of the diluted spray per 100 square metres of surface. Repeat application as necessary. DO NOT apply CYTHION 1000 to freshly whitewashed surfaces, wait 14 days before applying. Do not use in Milk Rooms. Do not use in Dwellings. Remove lactating animals and young calves from building before treatment.

DIRECTIONS FOR USE ON CATTLE

For the control of Lice on beef cattle and non lactating dairy cattle, use 5 litres of CYTHION 1000 per 1000 litres of water. Apply a complete coverage

spray. One treatment may be sufficient. Repeat application only if needed. DO NOT use within 30 days of slaughter. DO NOT use spray or dips on lactating dairy animals. DO NOT treat calves under one month of age.

RUBBING DEVICES

For the reduction of Lice on beef cattle, apply a mixture of 2% CYTHION (2 litres of CYTHION 1000 mixed in 100 litres of fuel oil) to back rubbing devices. There may be a reduction in Horn Flies. These devices should be made continuously accessible, one to each 35-45 head of cattle and re-treated every 2 or 3 weeks.

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.

PRECAUTIONS

"KEEP OUT OF REACH OF CHILDREN AND DOMESTIC ANIMALS". Avoid inhalation of vapours. Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after using. Avoid contamination of feed, foodstuff and water supplies. Do not expose to open flame. Highly toxic to fish and bees.

FIRST AID

If swallowed, induce vomiting. Repeat until vomit fluid is clear. In case of poisoning call a physician immediately. Have patient lie down and keep quiet. If on skin, remove contaminated clothing and wash immediately with soap and warm water. If eyes are contaminated, flush with flowing water for at least 15 minutes

TOXICOLOGICAL INFORMATION

Symptoms of poisoning: A sense of "tightness" in the chest, contracted pupils, sweating, stomach pains, vomiting and diarrhea. Treatment - Stomach lavage. Malathion is a cholinesterase inhibitor. Atropine sulphate is antidotal. Administration of atropine sulphate at 1-2 milligrams every 15 to 30 minutes may be necessary.

DISPOSAL

1. Rinse the emptied container thoroughly and add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on the disposal of unused, unwanted product and the cleanup of spills, contact the Provincial Regulatory Agency or the Manufacturer.

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 RESTRICTION

This product is to be used only in the manner authorized. Contact local pesticide regulatory authorities about use permits which may be required.

RESTRICTED USES Mosquito Larvae

Apply 550 mL CYTHION 1000 per hectare in sufficient water or oil for even coverage to areas where mosquitoes breed. Repeat applications as necessary. DO NOT apply oil based sprays to valuable ornamentals. CYTHION may be toxic to certain species of fish particularly in shallow water.

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