

03-MAY-2004 Notification received of label changes. See below for these changes.

03-MAY-2002

<<Primary Display Panel>>

LANNATE L INSECTICIDE

Water Soluble Liquid

AGRICULTURAL

READ THE LABEL BEFORE USING

GUARANTEE: Methomyl 215 g/L
REGISTRATION NO. 11725 PEST CONTROL PRODUCTS ACT

NET CONTENTS: 3.785L
Do not subject to temperatures below 0 C

DANGER

(skull & crossbones in octagon)(fire in triangle)
POISON FLAMMABLE

KEEP OUT OF REACH OF CHILDREN.

~~DUPONT CANADA INC.~~
AGRICULTURAL PRODUCTS
Box 2300, Streetsville
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E.I. DU PONT CANADA COMPANY

Notification Change

<<Secondary display panel>>

PRECAUTIONS:

- ◆ KEEP OUT OF REACH OF CHILDREN
- ◆ May be fatal or cause blindness if swallowed. Poisonous if inhaled. Causes eye damage.
- ◆ Do not breathe vapours or spray mist.
- ◆ Do not get in eyes, on skin, or on clothing.
- ◆ Use with adequate ventilation.
- ◆ Keep away from heat, sparks, and open flame.
- ◆ Keep container closed.

FIRST AID:

If swallowed, drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger or blunt object. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention or contact a poison control centre.

If inhaled, remove from exposure. Have patient lie down and keep quiet. If patient is not breathing, start artificial respiration immediately. Never give anything by mouth to an unconscious person.

In case of contact, wash skin with plenty of soap and water: for eyes, flush with water for 15 minutes and get medical attention or contact a poison control centre; remove and wash contaminated clothing before re-use.

ATROPINE IS AN ANTIDOTE - SEEK MEDICAL ATTENTION AT ONCE IN ALL CASES OF SUSPECTED POISONING.

If warning symptoms appear (See warning symptoms below), get medical attention or contact a poison control centre.

TOXICOLOGICAL INFORMATION

WARNING SYMPTOMS -- Methomyl poisoning produces effects associated with anticholinesterase activity which may include weakness, blurred vision, headache, nausea, abdominal cramps, discomfort in the chest, constriction of pupils, sweating, slow pulse, muscle tremors.

TREATMENT -- Atropine sulfate should be used for treatment. Administer repeated doses, 1.2 to 2.0 mg intravenously every 10 to 30 minutes until full atropinization is achieved. Maintain atropinization until the patient recovers. Artificial respiration or oxygen may be necessary. Allow no further exposure to any cholinesterase inhibitor until recovery is assured.

Do not use 2-PAM for exposure to LANNATE L INSECTICIDE alone. However, for exposure to combinations of LANNATE L INSECTICIDE and organophosphorous insecticides, 2-PAM may be used as required to supplement the atropine sulfate treatment. Do not use morphine.

For emergencies involving this product, call 1-613-348-3616.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds and other wildlife. Keep out of any body of water. Do not apply where runoff is likely to occur. Do not apply when weather conditions favour drift from areas treated. Do not contaminate water by cleaning of equipment, or disposal of wastes.

This product is toxic to bees exposed to direct application. Do not apply this product when bees are actively visiting the treatment area. Time applications to coincide with periods of minimum bee activity.

IMPORTANT

When mixing spray, loading, applying or otherwise handling, wear protective clothing, goggles, and a mask or respirator suitable for protection against methomyl vapors or spray mist such as Willson Products "Agri-Tox", R-533 Model A-TX-2, Filter R15, Cartridge R21 (Safety Supply, Toronto) or Mine Safety "Comfo" 2 (Weston, Ont.). Wear clean clothes daily. Wash thoroughly after handling and before eating or smoking. Do not apply this product in such a manner as to directly or through drift expose workers, other persons or animals. The area being treated must be vacated by unprotected persons.

STORAGE AND DISPOSAL

STORAGE:

Do not subject to temperatures below 0 degrees C. Store product in original container only, away from other pesticides, fertilizer, food or feed. Not for use or storage in or around the home.

DISPOSAL:

1. Rinse the 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 empty container in accordance with provincial requirements.**
5. **For information on the disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of spill, and for clean-up of spills.**

DIRECTIONS:

LANNATE L Insecticide should be used only in accordance with recommendations on this label. For further details on use of LANNATE L Insecticide, consult published DuPont recommendations available through local dealers.

LANNATE L Insecticide is a water soluble liquid to be diluted in water for application by ground or air equipment. Use air application only where recommended. Use only in commercial plantings; do not use in home plantings.

SPRAY PREPARATION:

Fill spray tank one quarter to one half full of water. Add LANNATE L Insecticide directly to spray tank, and mix thoroughly; once dissolved continued agitation is not required. Use mechanical or hydraulic means; do not use air agitation.

APPLICATION:

Apply at the recommended rates when insects first appear. Unless otherwise noted, continue applications at 5 to 7 day intervals or as needed. Water volumes will vary depending on the crop and growth stage but should be sufficient to obtain thorough, uniform coverage. Apply the low rates on small plants, small insects and light infestations of insects. Use 1 to 3 applications of the highest recommended rate for controlling severe infestations. Thereafter, use the lowest label rate possible to maintain control. Early morning or late evening sprays are recommended.

Ground application: Suggested water volumes for conventional ground applications are: 250 to 850 L/ha for broccoli, cauliflower, brussel sprouts, cabbage, lettuce, tomatoes, and potatoes; 100 L/ha for flax and canola; 100 to 350 L/ha for wheat, oats, barley, snapbeans and peas; 240 to 900 L/ha for sweet corn; 200 to 450 L/ha for tobacco. Rates per hectare for apples are based on using a volume of 3000 litres per hectare.

Aerial application: Pilot should not assist in the mixing and loading operations. Apply a minimum of 22.5 L of water per hectare.

CROP METHOD OF APPLICATION A MEANS AIR		INSECTS	LITRES PER HECTARE	LAST APPLICATION TO HARVEST (DAYS)
Apples*	G	Spotted Tentiform Leafminer: 1st generation - apply at the calyx stage when the mines become visible on undersurface of leaves.	6.75-9.0	8
		Mullein Leaf Bug: Apply once at calyx using enough water to ensure adequate coverage but not over 4000 L/ha	6.75	
		Oblique-banded Leafroller: Apply when larvae appear just after petal fall or when pheromone traps indicate adults are increasing. A second application may be required two weeks later.	6.75	
		White Apple Leafhopper: 1st generation nymphs - apply shortly after petal fall. 2nd generation nymphs - apply when nymphs appear.	6.0	
		Wintermoth: Spray at late tight cluster to early pink stage using enough water to ensure adequate coverage	2.5	

Note: Consult local spray calendar recommendations for more information on timing of applications for the above pests. Local extension, researchers or IPM specialists should be contacted to discuss rotation of materials to forestall development of resistance in the above pests. This product is toxic to predaceous mites and other predaceous arthropods. Use with caution where integrated pest management principles are in effect.

Balsam Fir Spruce***in Christmas Tree Plantations, Farm Woodlots, Broccoli	G	Spruce Budworm: Spray at larval emergence to cover new growth--Repeat in 3-4 days if needed. Use high rate on trees more than 9 m tall. Use the low rate in mist blowers (5 x concentration), or air blast	1.25- 2.25	--
	G	Cabbage Looper	1.25-2.25	7

Cabbage				1
Brussel Sprouts	G	Cabbage Looper, Imported Cabbage Worm, Diamond Back Moth	1.25-2.25	7
		Slugs (larvae of grey garden slug): Apply one application with ground equipment, and use sufficient water volumes to obtain good coverage. Make application late in the evening.	3.25	30
Canola**	A, G	Alfalfa Looper, Bertha Armyworm, Beet Webworm, Clover Cutworm	0.9-1.25	8
Greenhouse Cucumbers *****		Western Flower Thrips: Using high volume foliar sprays make 3 applications at 5-7 day intervals. Apply a spray mixture of 22 mL of formulated product per 100 L. Use sufficient water volumes per hectare to obtain thorough coverage.		3
Flax**	A, G	Bertha Armyworm, Flax Bollworm	0.9 -1.25	8
Lettuce (field)	G	Cabbage Looper, Armyworm	2.25-4.5	7
Peas	G	Alfalfa Looper, Pea Aphid	2.25	1
Potatoes	G	Leafhoppers, Fleabeetles, Aphids	2.25	3
		Varigated Cutworm	1.25-2.25	3
Snap Beans	G	European Corn Borer: Spay at 3-7 ay intervals or as needed	2.3	7
Strawberries	G	Slugs (larvae of grey garden slug): Make 1 application only at mid-bloom (50% bloom) using 250-850 L of water per	3.25	14

		hectare in conventional ground equipment. Apply late in evening when slugs are active and to avoid foraging bees. Since timing is critical, consult local agricultural authorities for further information.		
Sweet Corn	G	Corn Earworm: Apply 4 sprays at 2-4 day intervals, beginning when 25% of the ears show silk. Direct spray on the silks. European Corn Borer: Apply at 5-day intervals when egg masses begin to hatch, but no later than when the first feeding damage is seen on leaves. Sprays should be directed into the whorl of the plant. After tassels appear, direct spray at the ear zone. In areas where the second-generation borers may be a problem, late plantings should be treated before tassels are visible. Repeat at 5 day intervals until the early silk stage.	1.8-2.6	3
		Aphids: Apply up to 3 applications of Lannate L (usually during hot weather) at 5 day intervals in sufficient water to obtain good coverage.	2.6	
Tobacco***	G	Aphids - (use drop pipes and 3 to 5 nozzles for under leaf coverage)	1.8-2.6	--
	To ma to Hor nw or m		2.25	
Tomatoes	G	Tomato Fruit Worm, Aphids, Variegated Cutworm	1.25-2.25	1
Wheat, Oats**, Barley	A, G	Common Armyworm	1.25-2.25	20
		Thrips	1.25	

- * Do not apply to Early MacIntosh, Wealthy or Summer Glo Apple varieties. Do not graze livestock in orchard for 10 days after treatment.
- ** Pilot should not assist in the mixing and loading operations. Apply a minimum of 22.5 L water per ha.
- *** LANNATE L INSECTICIDE may be applied with a sucker control agent. Use on limited acreage until safety to crop is determined.
- **** Consult Canadian Forestry Service for timing and spray concentrations.
- ***** Wear full protective gear; applications in closed greenhouses to remain closed for 2 hours (or longer) after treatment. Ventilate the greenhouse for an additional 1 hour (or longer) before re-entry.

NOTICE TO USER:

This control product is to be used only in accordance with the directions on this label. It is an offense under the PEST CONTROL PRODUCT 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.

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