

94.12.19

ORTHENE (R)

Forest Spray Concentrate

Insecticide for the Control of Forest Insects

RESTRICTED

GUARANTEE: *Acephate 97%

*O,S -Dimethyl acetylphosphoramidothioate *CAN. Pat. No. 926872

REGISTRATION NO. 14226
PEST CONTROL PRODUCTS ACT

ORTHENE (R) Registered Trademark of Monsanto

DANGER POISON

READ THE LABEL BEFORE USING

25 kg

Tomen Corporation
C.P.O. Box 183 14-27,
Akasaka 2 Chome
Tokyo, 107 JAPAN
Product Made in U.S.A.
Printed in U.S.A.
Form T9713-B
EPA Est. 62499-CA-001

Distributor:
United Agri Products
R.R.#2
Dorchester, Ontario N0L 1G5
Canada
(519) 268-8001

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.

a) NATURE OF RESTRICTION:

This product is to be used only in the manner outlined. Consult local pesticide authorities for appropriate use permits which may be required.

RESTRICTED USES:

DIRECTIONS FOR USE BY AIRCRAFT:

Spruce budworm larvae (all instars) control on Balsam Fir and White Spruce and other trees.

Apply 425 - 550 g active ORTHENE per hectare in 1.50 - 4.5 L of water in one application or, if preferable, make 2 applications 5 days apart of 200 - 275 g active ORTHENE per hectare in 1.50 - 4.5 L of water.

Western Spruce Budworm control in Douglas Fir Forests - Aerial application (helicopter). Apply 1.1 kg active ORTHENE in 9.00 L of water once per hectare when 50% of the larvae are in the fifth instar.

Oakleaf Shredder control in Oak Trees of Deciduous Forests - Aerial application. Apply 850 g active ORTHENE in 9.00 L of water once per hectare when most of the larvae are in the second instar.

Douglas fir tussock moth larvae control on Douglas fir or Grad fir and other trees. Apply 1.1 kg active ORTHENE per hectare in 9.00 L of water. Apply when 70% of the eggs have hatched.

Consult Canadian Forestry Service office or provincial forestry authority for information on timing. Do not mix this product with any materials except those listed on the label.

b) NATURE OF RESTRICTION:

For use only by Plant Protection (Quarantine) Div., Agriculture Canada.

Gypsy moth larvae control in hardwood forests (e.g. Oak and Maple). Apply 550 g active ORTHENE per hectare in 4.5 L of water. Apply after foliage expansion and insect hatch have begun.

Prepare solution in mixing tank with good agitation prior to

filling aircraft spray tank.

PRODUCT PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. This product is harmful if swallowed, inhaled, or absorbed through the skin. Avoid contact with eyes or skin. Do not breathe vapors. Persons involved in the mixing-loading process are cautioned to wear proper protective clothing such as rubber boots, rubber suits or aprons, rubber gloves, a respirator, goggles and a cap or hat. If spilled on skin, wash immediately with soap and water. If clothing becomes contaminated, remove it and wash clothing before re-use. Persons in contact with product are cautioned to wash hands, arms and face frequently with soap and water throughout the operation and certainly before eating or smoking. Store in cool, dry place. Protect from excessive heat. Keep container closed when not in use. Keep product out of reach of children. Do not contaminate food or feed. Highly toxic to bees. Do not use where bees are foraging. Warn bee keepers to protect bees from treated area for one week after treatment at the 1.1 kg ai use rate or 1 day at a use rate of 550 g ai or less. Keep unauthorized and unprotected persons out of loading and mixing zones.

FIRST AID: If swallowed, induce vomiting and seek immediate medical attention. In case of contact with skin, wash with soap and water. If in eyes, flush with water. See a physician if eye irritation persists.

TOXICOLOGICAL INFORMATION: ORTHENE is a cholinesterase inhibitor. If signs of cholinesterase inhibition appear, atropine is antidotal. 2-PAM may also be use in conjunction with atropine but should NOT be used alone.

DECONTAMINATION:

NOTE: Hydrated limes, hypochlorite oxidants and other alkaline materials should NOT be used in clean-up procedures.

Spills of POWDERS should be scooped into disposable containers. If ORTHENE LIQUIDS are spilled, spread a heavy clay absorbent over spill. Shovel material into disposable container. Dispose of sweepings in accordance with provincial requirements.

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 regional office of Environment Canada.

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