

95/2000

RIDDEX®

RIDDEX CYTHION* ULV INSECTICIDE

AGRICULTURAL

NET CONTENTS : 20 L

GUARANTEE : MALATHION 95%

REGISTRATION NO. 12216

PEST CONTROL PRODUCTS ACT

READ THE LABEL BEFORE USING

WARNING POISON

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FORMULATING A BETTER FUTURE FOR YOU

Riddex Cythion ULV Insecticide is specifically for use undiluted for ultra-low volume aerial and ground applications for the control of mosquitoes, flies, and the agricultural pests specified.

UNDILUTED SPRAY DROPLETS OF MALATHION INSECTICIDE WILL PERMANENTLY DAMAGE AUTOMOBILE PAINT UNLESS THESE SPECIFIC INSTRUCTIONS FOR GROUND AND AERIAL APPLICATION ARE FOLLOWED, CARS SHOULD NOT BE SPRAYED DIRECTLY, IF ACCIDENTAL EXPOSURE DOES OCCUR, THE CAR SHOULD BE WASHED IMMEDIATELY.

DIRECTIONS

AERIAL APPLICATION : Riddex Cythion ULV Insecticide is used undiluted for ultra-low volume aerial applications. Aerial applications should be made at altitudes of 6 to 8 m. Apply with

aircraft equipped for ultra-low volume application. Generally, spraying should not be attempted when the wind is at or above 15 km/h or temperatures are above 28EC.

Spray droplets of this product undiluted will permanently damage automobile paint unless all of the following conditions are met :

1. Aircraft is operated at 240 km/h or more.
2. There are no leaks in the ultra-low volume spray system.
3. Nozzles are placed on the boom at a 45E angle down and into the wind.
4. Diaphragm check valves are used on all nozzles to insure positive cut-off of the spray.
5. Dosage of this product does not exceed 200 mL/ha when spraying over cities, towns and other areas where automobiles, trailers and pleasure boats are present.
6. The spray system produces droplets of this product in the 50 to 60 mass median diameter (MMD) micron range, with no more than 10% of the droplets exceeding 100 microns, as determined by readings made from microscopic slides coated with Dri-Film.

PEST CONTROLLED	CROP	APPLICATION RATE	DIRECTIONS FOR USE
Grasshoppers	Grass, Pasture and Range	550 mL/ha	Repeat applications as necessary. May be grazed or harvested on day of application.
Greenworms	Clover	550 mL/ha	Repeat applications as necessary, except when clover is in bloom. Do not apply within 7 days of harvest.

Cereal leaf Beetle	Cereal Crops, Grasses or legumes being grown for hay.	275-550 mL/ha	Apply when adult beetles become active. Repeat application at the higher rate within 2-14 days for control of adults and young larvae. Make no application on cereal crops within 7 days of harvest.
Army Worm	Cereal Crops, Grasses or legumes being grown for hay.	425-550 mL/ha	Apply when worms appear Do not apply to cereal crops within 7 days of harvest.
Alfalfa Weevil Larvae	Alfalfa	1.10 L/ha	Application should be when day temperatures are expected to exceed 18°C and when 50%-75% of the leaves show feeding damage. Do not apply to seed alfalfa or when alfalfa is in bloom, or within 5 days of harvest.
Diamondback Moth Larvae	Rape, Mustard	275-425 mL/ha	Do not apply within 7 days of harvest.
Mosquitoes	Parks, Recreation areas Cutting Camps, Municipalities Agricultural land.	425-550 ml/ha	Repeat application as necessary.
Houseflies, Stable flies	Feed lots, Stabling Areas, Pastures.	425-550 mL/ha	

(CONSULT LOCAL AGRICULTURAL AUTHORITIES FOR PROPER TIMING OF
SPRAYS)

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

RESTRICTED USE :

MOSQUITO LARVAE - Apply to breeding areas at 275-425 mL/ha. Do not apply to public waterways or water flowing into public waterways.

DIRECTIONS - GROUND APPLICATIONS : This use is restricted to mosquito abatement personnel who have the experience knowledge and equipment necessary to follow the specific instructions which follow. Contact KemSan regarding the proper calibration and operation or ULV application equipment if any difficulties are encountered.

Equipment used must have capability of producing the droplet spectrum described under "droplet size" nozzle direction must be out the rear of the vehicle and upward at an angle of 45° or more. Do not exceed the recommended flow rate or vehicle speed, and follow the equipment manufacturer's instruction manual.

DROPLET SIZE SPECIFICATION : Spray droplets must not be less than 5 microns in size, and must not exceed the range of 23 to 27 microns in size, as larger droplets will permanently damage automobile paint.

More than one-half of the total spray mass must consist of droplets in the 5 to 15 micron range to achieve adequate dispersal of insecticide over a 90 m swath. A minimum of two-thirds, preferably four-fifths of the total spray mass must consist of droplets not exceeding 20 microns in range. The mass median diameter (MMD) of the droplets should not exceed 14 microns. The MMD is the drop diameter which divides the spray volume into two equal parts: i.e. 50% of the volume is in the drop size below the MMD and 50% is above the MMD. The average diameter of the droplets should not exceed 12 microns.

ADULT MOSQUITO CONTROL : For control of adult mosquitoes over a 90 m swath with nonthermal aerosols of Malathion using the ultra low volume method use the following flow rates at the indicated truck speeds :

TRUCK SPEED	FLOW RATE PER MINUTE
10 km/h	30 to 40 mL
15 km/h	55 to 80 mL

Flow rate must be constantly monitored by the operator to maintain uniform control of discharge rate.

PRECAUTIONS : Harmful if inhaled, swallowed or absorbed through the skin. Avoid inhalation of or contact with the spray. Keep children away from the spray. Wash thoroughly after use. Avoid contamination of feeds, foodstuffs, milking utensils and water supplies. Use a respirator in enclosed areas. Do not treat dairy barns. Do not apply to pastures occupied by dairy animals. Do not apply to food crops. Do not spray into or near open flame. Highly toxic to fish and bees. To protect fish and wildlife and bodies of water which may be used for irrigation or domestic purposes, do not contaminate streams, lakes or ponds. Wash contaminated clothing before re-use.

FIRST AID : Move patient from treated area and remove all contaminated clothing. For external contact, wash with soap and water. If in eyes, flush with plenty of water. In case breathing is weak or irregular, give artificial respiration. Obtain prompt medical attention. If swallowed, induce vomiting by giving a glass of warm salty or soapy water. Repeat until vomit fluid is clear. Call a physician immediately. If patient unconscious, give him air.

TOXICOLOGICAL INFORMATION : Malathion may cause cholinesterase inhibition. Atropine is antidotal. Do not use 2-PAM. For severe cases, administer 4 to 8 mg intravenously at intervals of 10 to 15 minutes until atropinization is achieved. For less severe cases, administer 2 to 4 mg intramuscularly at 30 minute intervals. When signs of full atropinization appear, reduce dosage and frequently to 1 mg every 2 to 4 hours. Full atropinization should be maintained for at least 24 hours from beginning of treatment. For children, administer proportionately lower doses based on body weight.

STORAGE AND HANDLING : Store tightly closed in original container and in a safe place, out of reach of children and domestic animals. Do not store product near food, feed, fertilizer, seed and similar commodities.

Keep product away from fire and sources of heat. Do not store below

-7EC. If exposed to prolonged cold, place in warm storage (10E to 27EC) for several hours and agitate before using. Destroy or bury empty containers. Do not re-use.

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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