

22-OCT-2001

KARATE® 100EC

EMULSIFIABLE CONCENTRATE INSECTICIDE

AGRICULTURAL

For the control of Grasshopper on Pasture, Summerfallow and Wheat, and Sunflower Beetle on Sunflowers

GUARANTEE:

cyhalothrin-lambda 100 g/L

**READ THE LABEL BEFORE USING
KEEP OUT OF REACH OF CHILDREN**

REGISTRATION NUMBER **24565**
PEST CONTROL PRODUCTS ACT

DANGER



POISON

**DANGER: EYE IRRITANT
WARNING: SKIN IRRITANT
POTENTIAL SKIN SENSITIZER**

NET CONTENTS: **1 Litre**
 2 Litre
 8 Litre

Syngenta Crop Protection Canada, Inc.
140 Research Lane
Research Park, University of Guelph
Guelph, Ontario
N1G 4Z3

C94/A-1

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.

FIRST AID:

IN CASE OF POISONING, contact a physician or a poison control centre IMMEDIATELY. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

If swallowed, induce vomiting by tickling the back of the throat. Get medical attention or call a Poison Control Centre immediately. If patient is unconscious, give him air. Do not give anything by mouth to an unconscious person.

If splashed in eyes, wash for 15 minutes with plenty of clean water and get medical attention immediately.

If on skin, wash immediately with soap and water. If irritation develops, get medical attention.

TOXICOLOGICAL INFORMATION:

This product contains more than 80% petroleum distillates. If swallowed, perform gastric lavage, taking care to prevent aspiration of gastric contents; treat symptomatically. This product has potential for skin and eye irritation, treat symptomatically.

PRECAUTIONS:

1. KEEP OUT OF REACH OF CHILDREN AND ANIMALS. Keep unused product in original container tightly closed, locked up and away from food.
2. KARATE 100EC insecticide has potential for skin and eye irritation. Avoid splashing in eyes or on skin, particularly the face. If hands are contaminated, wash with soap and water before touching other areas of skin. When applying this product workers should wear long pants, long-sleeved shirts, and work boots. In addition, during mixing, loading, clean-up and repair activities, workers must also wear chemical resistant gloves, safety goggles and a face shield. Avoid touching face with contaminated gloves or clothing. Wash gloves before removal. Wash protective equipment with soap and water after each use.
3. This product is very toxic to fish and aquatic organisms. Do not contaminate ponds, lakes, streams or rivers during sprayer filling or rinsing operations or while spraying. Do not apply within 15 metres of productive fisheries water or waterfowl habitat.

4. This product is very toxic to bees. Avoid spraying when bees are foraging. Spray deposits should be dry before bees commence foraging in treated crop.
5. Do not apply when weather conditions favour drift from the target area. Ground application only, do not apply by air.
6. Crops treated with KARATE 100EC insecticide at rates up to 100 mL/ha may be fed to non-lactating dairy animals and other livestock, following a 14 day interval from application to harvest or foraging. Do not graze or feed lactating dairy animals on treated green cereal forage or treated pasture.
7. Do not re-enter treated areas until 24 hours after treatment. If early re-entry into treated areas is required, workers must wear long pants, long sleeved shirts, chemical resistant gloves, work boots and a hat.
8. Workers shall be given oral warning of the re-entry interval. The warning shall consist of:
 - i. The location and description of the treated area.
 - ii. The time during which entry is restricted.
 - iii. Instructions not to enter the treated area until the re-entry interval has expired.

STORAGE:

Store in a cool, well ventilated area away from foodstuffs and out of reach of children and animals. Store above 0°C. Storage below 0°C will not impair the effectiveness of KARATE 100EC insecticide, however, following such storage, agitate well before use.

SPILL CLEANUP:

Wear appropriate protective equipment (gloves, glasses, apron) when attempting to clean up the spill. If the container is leaking, secure leak and place the container into a drum or heavy gauge plastic bag. Contact Syngenta Crop Protection Canada, Inc. (See EMERGENCY NUMBER) for further information.

For spills and leaks - contain the liquid with dikes of inert material (soil, clay, kitty litter etc.). Absorb the spill onto inert material and shovel into a sealable waste container.

On hard surfaces - sprinkle spill area with detergent and scrub in a small quantity of water with a coarse broom. Let stand 10 minutes then absorb onto an inert material and shovel into the waste container.

On soil - remove the top 15 cm of soil in the spill area and replace with fresh soil. Dispose of all waste including scrub brush in accordance with provincial requirements.

DECONTAMINATION AND DISPOSAL:

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean up of spills.

CONTAINER DISPOSAL:

FOR DISPOSAL OF PLASTIC JUGS:

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

**IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING
CALL 1-800-327-8633 (FASTMED)**

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((Pamphlet))

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PRODUCT INFORMATION:

KARATE 100EC insecticide is a photostable, synthetic pyrethroid insecticide. It is a fast acting stomach and contact insecticide against a broad spectrum of foliar pests. It has no fumigant or systemic activity. Best results will be obtained with KARATE 100EC insecticide when applied against the early developmental stages of the pest as determined by regular monitoring.

DIRECTIONS FOR USE:

DO NOT APPLY BY AIR

KARATE 100EC insecticide may be applied by ground sprayer to sunflowers, pasture, summerfallow and wheat. Use sufficient water for thorough coverage, 100 to 200 L/ha by ground sprayer. Apply KARATE 100EC insecticide as directed and repeat as required to maintain control. Do not use more than 3 applications per year. Allow an interval of 7 days between treatments. Thorough, uniform coverage is essential for best control.

Control of some insect species with pyrethroid insecticides decreases as temperature rises. For best results, apply KARATE 100 EC insecticide during the early morning before temperatures rise, and during the evening, past the heat of the day.

CROP	INSECT	APPLICATION TIMING	RATE mL/ha
Sunflowers	Sunflower beetle larvae, Sunflower beetle adults	Apply when insects appear. Use higher rate for adults. Do not apply within 70 days of harvest. Do apply more than 3 times per season. Allow a 7 day interval between applications.	50-75 mL
Unimproved Pasture, Summerfallow, Wheat	Grasshoppers DO NOT APPLY WITHIN 7 DAYS OF HARVEST OR 14 DAYS OF LIVESTOCK FORAGING.	Apply the low rate when grasshoppers are up to the 3rd nymphal stage (up to 1 cm in length) or when insect numbers are low. Apply the high rate when grasshoppers are larger, up to but not including winged adults (up to 2.5 cm in length) or when insect numbers are high. If insect pressure is high apply a spray to a 15 m strip around the field. Avoid environmentally sensitive areas and unregistered crops. Do not apply more than 3 times per season. Allow a 7 day interval between applications.	75-100 mL

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