



INSECTICIDE

CONTAINS LAMBDA-CYHALOTHRIN, THE ACTIVE INGREDIENT USED IN KARATE®

SWIFT, RELIABLE LAMBDA-CYHALOTHRIN PROTECTION

Serpent™ 1 EC brings you a powerful lambda-cyhalothrin option for fast-acting, broad spectrum insect control on a wide variety of crops, including alfalfa, corn, soybeans and wheat. Serpent 1 EC's formulation is a long-standing, trusted course of action for the immediate knockdown of damaging pests such as weevils, thrips, grasshoppers and more.

Dually effective, Serpent 1 EC works both on-contact and through ingestion. With low water solubility, Serpent 1 EC remains active and works longer to protect your crops. Serpent 1 EC is highly compatible with most insecticides and fungicides making it an excellent tank-mix partner.

KEY BENEFITS

- Broad spectrum control with immediate knockdown
- Dual modes-of-action
- Extended residual activity
- Easy-to-use formulation with low-use rates
- Excellent tank-mix partner

KEY USES

- | | |
|---------------|-------------|
| ▪ Alfalfa | ▪ Soybeans |
| ▪ Corn | ▪ Tomatoes |
| ▪ Cotton | ▪ Tree nuts |
| ▪ Pome fruits | ▪ Wheat |
| ▪ Rice | |

PRODUCT NOTES

EPA REGISTRATION NUMBER

91234-55

ACTIVE INGREDIENT

Lambda-cyhalothrin 13.10%

FORMULATION

Emulsifiable Concentrate

IRAC NUMBER

3

SIGNAL WORD

Danger

PACKAGE SIZE

4 x 1 gal
265 gal

RESTRICTED USE

Yes



LABEL



PRODUCT INFO



PORTFOLIO



Bootstrapped and ready to serve, we deliver battle-tested chemistries and an experience like no other. Proud to be 100% American-owned, our mission is to help you every step of the way.





APPLICATION INFORMATION

Serpent™ 1 EC may be applied with ground or air equipment using sufficient water to obtain full coverage of foliage. Do not apply through any type of irrigation system. Timing and frequency of application should be based upon insect populations reaching locally determined economic threshold. Apply in a minimum of 2 gal per acre by air or 10 gal per acre by ground unless otherwise specified on the product label. When foliage is dense or pest pressure is high (heavier insect or egg pressure, larger larval stages), use of higher application volumes and/or higher use rates may improve initial and residual control. For cutworm control, Serpent 1 EC may be applied before, during or after planting. For soil incorporated applications, use higher rates for improved control.

SPRAY DRIFT REQUIREMENTS

Only apply to fields where a maintained vegetative buffer strip of a least 10 feet exists between the field and down gradient aquatic habitat (such as, but not limited to; lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries and commercial fish farm ponds).

WIND DIRECTION AND SPEED

Only apply this product if the wind direction favors on-target deposition. Do not apply when the wind velocity exceeds 15 mph or if wind speed favors drift beyond the area intended for treatment or non-uniform distribution of treated water.

TEMPERATURE INVERSION

Do not make aerial or ground applications into temperature inversions. Inversions are characterized by stable air and increasing temperatures with height above the ground. Mist or fog may indicate the presence of an inversion in humid areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

DROPLET SIZE

Use only medium or coarser spray nozzles (for ground and non-ULV aerial application) according to ASAE (S572) definition for standard nozzles. In conditions of low humidity and high temperatures, applicators should use a coarser droplet size.

KEY INSECTS

Aphids
Armyworms
Blister beetles
Bollworms
Caterpillars
Cutworms
Grasshoppers
Green cloverworms
Japanese beetles
Lygus
Orange blossom wheat midge
Potato leafhoppers
Spider mites
Stink bugs
Thrips
Weevils
Whiteflies

(Refer to product label for complete list)

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Refer to product label for complete application and mixing instructions.

Serpent™ 1 EC is an EPA Restricted Use Pesticide.

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