



# CRUSADER<sup>®</sup> 1EC

**FAST-ACTING PYRETHROID INSECTICIDE, EFFECTIVE AGAINST A WIDE RANGE OF FOLIAR PESTS IN CROP AND NON-CROP APPLICATIONS.**

Crusader<sup>®</sup> 1EC is a non-systemic pyrethroid insecticide that provides rapid knockdown with residual activity. Apply in sufficient water for thorough coverage of listed crops unless otherwise specifically noted. Base rate of application upon pest pressure, timing of sprays, and field scouting. Use higher rates under heavy pest pressure and lower rates under low-to-moderate pest pressure. Base timing and frequency of application upon insect populations reaching locally determined economic thresholds and other local methods. For cutworm control, Crusader 1EC may be applied before, during or after planting. For soil incorporated applications, use higher listed rates for improved control.

## PRODUCT FEATURES

- Fast-acting, broad-spectrum pyrethroid insecticide that will control pests with a single application.
- Labeled for use on a wide range of crops.
- Works by contact and ingestion; residual solution for growers to control insects whether or not the pest is directly sprayed.
- May be applied by ground, aerial or chemigation application systems.

See label for complete application guidelines and restrictions.



### ACTIVE INGREDIENT

1.0 lbs/gal lambda-cyhalothrin

### IRAC GROUP

3

### FORMULATION

Emulsifiable concentrate

### REI

24 hrs

### COMPARE TO

Silencer<sup>®</sup>

### MODE OF ACTION

Sodium channel modulator

### SIGNAL WORD

Warning

### RESTRICTED USE

Yes

### PACKAGING

4 x 1 gal, NR 265

### EPA REG NUMBER

42750-373 | AD100220

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## FREQUENTLY ASKED QUESTIONS

### How should I apply Crusader 1EC on cotton for best results?

- Apply at 1.92-2.56 fl oz/A for control of cutworm species, soybean thrips and tobacco thrips.
- Apply at 2.56-3.84 fl oz/A for control of cabbage looper, cotton fleahopper, cotton leafperforator, cotton leafworm, lygus bug species, pink bollworm, and saltmarsh caterpillar.
- Apply 3.20-5.12 fl oz/A for control of bandedwing whitefly (suppression only), beet armyworm (first and second instars only), boll weevil, brown stink bug, cotton aphid (suppression only), cotton bollworm, European corn borer, fall armyworm, green stink bug, Southern green stink bug, sweet potato whitefly (suppression only), tobacco budworm and twospotted spider mite (suppression only).
- Do not apply within 21 days of harvest.
- Refer to resistance statement under Product Information on the product label.

### How should I apply Crusader 1EC in foliar field, pop, or seed corn applications for best results?

- Apply at 1.92-3.20 fl oz/A for control of cutworms, green cloverworm, meadow spittlebug, corn earworm (before larva bores into the stalk or ear) and Western bean cutworm (before larva bores into the stalk or ear).
- Apply at 2.56-3.84 fl oz/A for control of armyworm (first and second instar), bean leaf beetle, aphids (suppression), Japanese beetle adults, stink bugs, seedcorn beetle, and other labeled pests.
- Apply at 3.84 fl oz/A for control of chinch bugs, beet armyworms and other labeled pests.
- For adult corn rootworm beetles, use a minimum of 3.84 fl oz/A as part of an aerial-applied corn rootworm control program.
- For chinch bug control, begin applications when bugs migrate from small grains or grass weeds to small corn. Direct spray to the base of corn plants. Repeat applications at 3-to-5 day intervals, if needed. Crusader 1EC may only suppress heavy infestations and/or subsequent migrations.
- Do not apply within 21 days of harvest.
- Refer to resistance statement under Product Information on the product label.

### What is the rate conversion for pounds of active ingredient per acre to treated acres per gallon of product for Crusader 1EC?

Lb ai/A	Fl oz/A	Pints/A	Treated acres/gallon
0.015	1.92	0.12	66
0.02	2.56	0.16	50
0.025	3.20	0.20	40
0.03	3.84	0.24	33
0.04	5.12	0.32	25



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