

Insecticide Treatment Options for Grasshopper in Field Corn

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See <https://www.greenbook.net> or other resources for additional registrations.

*Consult product label for specific information and restrictions.

IRAC Mode of Action Classification:

- Group 1 = Acetylcholine esterase inhibitors; 1A = Carbamates, 1B = Organophosphates
- Group 3 = Sodium channel modulators
- Group 22 = Voltage-dependent sodium channel blockers, 22A = Oxadiazines
- Group 28 = Ryanodine receptor modulators, Diamides

R = Restricted-Use Product

Mode Of Action	Product Name	Common Name	Rate (Formulation/Acre)	Restrictions/Comments
3 R	Asana XL	esfenvalerate	5.8-9.6 oz	PHI 21 days. Lower rates may be used for smaller grasshoppers. Higher rates may be necessary to control large populations, or mature grasshoppers.
3 R	Baythroid XL, Tombstone	cyfluthrin	2.1-2.8 fl oz	PHI 21 days for grain or fodder and 0 days for green forage.
3, 28 R	Besiege	lambda-cyhalothrin, chlorantraniliprole	6-10 fl oz	PHI 21 days. Do not feed treated corn fodder or silage to meat or dairy animals within 21 days after last treatment.
3 R	Brigade 2EC, Fanfare 2EC, Bifenture EC, Discipline 2EC, Sniper, Tundra EC	bifenthrin	2.1-6.4 fl oz	PHI 30 days. Do not graze livestock in treated area or cut treated crops for feed within 30 days of treatment.
1B, 3 R	Cobalt	chlorpyrifos and gamma cyhalothrin	7-13 fl oz	PHI 21 days for grain, ears, forage or fodder.
1B, 3 R	Cobalt Advanced	chlorpyrifos and gamma cyhalothrin	6-13 fl oz	PHI 21 days for grain, ears, forage or fodder.
28	Coragen	rynaxypry	2-5 fl oz	PHI 14 days.

3 R	Declare	gamma-cyhalothrin	1.02-1.54 fl oz	PHI 21 days for grain, livestock grazing or silage harvest.
3 R	Delta Gold	deltamethrin	1.0-1.5 fl oz	PHI 21 days for grain or fodder. PHI 12 days for cutting or grazing for forage.
1B	Dimethoate 4EC	dimethoate	1 pt	PHI 28 days for grain and 14 days for forage.
3 R	Ethos XB	bifenthrin	2.8-8.5 fl oz	PHI 30 days for grain, silage and grazing.
3 R	Fastac EC	alpha-cypermethrin	2.7-3.8 fl oz	PHI 30 days for grain and stover. PHI 60 days for forage.
1B R	Fyfanon ULV AG	malathion	4-8 fl oz	PHI 7 days.
3 R	Hero	zeta-cypermethrin and bifenthrin	2.6-6.1 fl oz	PHI 30 days for grain or stover and 60 days for forage. Do not graze livestock in treated areas or cut treated crops for feed within 30 days of the last application.
1B R	Lorsban Advanced, Lorsban 4E, Govern 4E, Hatchet, Nufos 4E, Warhawk, Yuma 4E	chlorpyrifos	½-1 pt	PHI 21 days.
1B R	Methyl 4EC	methyl parathion	1 pt	PHI 12 days. Do not apply during the pollen shed period.
3 R	Mustang Maxx, Respect	zeta-cypermethrin	2.72-4.0 fl oz	PHI 30 days for grain and stover. PHI 60 days for forage.
1B R	PennCap-M	methyl parathion	2-3 pts	PHI 12 days for harvest, forage and grazing.
3 R	Proaxis	gamma-cyhalothrin	2.56-3.84 fl oz	PHI 21 days.
1B, 3 R	Stallion	chlorpyrifos and zeta-cypermethrin	9.25-11.75 fl oz	PHI 30 days for grain or stover and 60 days for forage.
3 R	Steed	zeta-cypermethrin and bifenthrin	3.5-4.7 fl oz	PHI 30 days for grain or stover and 60 days for forage. Do not graze livestock in treated areas or cut treated crops for feed within 30 days of the last application.
22A	Steward EC	indoxacarb	6.0-11.3 fl oz	PHI 14 days for grain or stover and 1 day for forage, fodder and silage.
1B, 3 R	Tundra Supreme	chlorpyrifos and bifenthrin	5.6-16.8 fl oz	PHI 30 days for grain and silage.
3 R	Warrior w/ Zeon Technology, Silencer	lambda-cyhalothrin	2.56-3.84 fl oz	PHI 21 days for harvest, grazing or cutting treated crops for feed.

3 R	Warrior II w/ Zeon Technology, Lamcap II	lambda-cyhalothrin	1.28-1.92 fl oz	PHI 21 days for harvest, grazing or cutting treated crops for feed.
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