

Insecticide Treatment Options for Corn Earworm 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 5 = Nicotinic acetylcholine receptor agonists (allosteric), Spinosyns
- 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	Ambush 2EC	permethrin	6.4-12.8 fl oz	PHI 30 days for grain or fodder (stover). Forage may be harvested on the day of application. Apply just before silking.
3 R	Arctic 3.2EC	permethrin	4-6 fl oz	PHI 30 days for harvest of grain or fodder (stover). Forage may be harvested on the day of application. Apply just before silking.
3 R	Asana XL	esfenvalerate	5.8-9.6 oz	PHI 21 days. First application should be at or before silking.
3 R	Baythroid XL	cyfluthrin	1.6-2.8 fl oz	PHI 21 days for grain or fodder and 0 days for green forage.
28	Belt SC	flubendiamide	2-3 fl oz	PHI 1 day for green forage and silage and 28 days for grain or stover.
3, 28 R	Besiege	lambda-cyhalothrin, chlorantraniliprole	5-10 fl oz	PHI 21 days. Do not feed treated corn fodder or silage to meat or dairy animals within 21 days after last treatment. For control before the larva bores into the plant stalk or ear.
3 R	Brigade 2EC, Fanfare 2EC, Bifenture EC, Discipline 2EC,	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.

	Sniper, Tundra EC			
1B, 3 R	Cobalt	chlorpyrifos and gamma-cyhalothrin	19-38 fl oz	PHI 21 days for grain, ears, forage or fodder.
1B, 3 R	Cobalt Advanced	chlorpyrifos and gamma cyhalothrin	16-38 fl oz	PHI 21 days for grain, ears, forage or fodder.
28	Coragen	rynaxypry	3.5-7.5 fl oz	PHI 14 days.
3 R	Declare	gamma-cyhalothrin	0.77-1.28 fl oz	PHI 21 days for grain, livestock grazing or silage harvest.
3 R	Delta Gold	deltamethrin	1.5-1.9 fl oz	PHI 21 days for grain or fodder. PHI 12 days for cutting or grazing 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	1.8-3.8 fl oz	For control before the larva bores into the plant stalk or ear. PHI 30 days for grain and stover. PHI 60 days for forage.
3 R	Hero	zeta-cypermethrin and bifenthrin	4.0-10.3 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.
1A	Lannate LV	methomyl	0.75-1.5 pts	PHI 21 days for ears and stover, and 3 days for forage.
1A	Lannate SP	methomyl	0.25-0.50 lb	PHI 21 days for ears and stover, and 3 days for forage.
1B R	Lorsban Advanced, Lorsban 4E, Govern 4E, Hatchet, Nufos 4E, Warhawk, Yuma 4E	chlorpyrifos	1.5-2.0 pts	PHI 21 days before harvest of grain, ears, forage or fodder.
3 R	Mustang Maxx, Respect	zeta-cypermethrin	1.76-4.0 oz	Apply before the larvae enter the ear. PHI 30 days for grain and stover. PHI 60 days for forage.
1B	Nufos 4E	chlorpyrifos	1.5-2.0 pts	Apply 2-5 gal of spray per acre by air.
3 R	Pounce 25WP	permethrin	6.4-9.6 oz	Do not make treatments less than 6 days apart. Up to 0.6 lb ai may be used per season.
28	Prevathon	chlorantraniliprole	14-20 fl oz	PHI 14 days for harvest of ears and 1 day for forage, fodder, silage or stover.
3 R	Proaxis	gamma-cyhalothrin	1.92-3.20 fl oz	For control before larvae enter the ear. PHI 21 days.
5	Radiant SC	spinetoram	3-6 fl oz	PHI 28 days for grain and 3 days for fodder or forage. Apply broadcast or direct spray to ear zone.

1A	Sevin XLR Plus	carbaryl	1-2 qts	PHI 48 days for grain and fodder or 14 days for grazing and silage.
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. Control is only for treated foliage and silks. New foliage and new silks will not be protected with a single application.
5	Tracer	spinosad	2-3 fl oz	PHI 28 days for grain and 3 days for fodder or forage harvest.
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	1.92-3.20 fl oz	For control before the larvae bores into the ear. PHI 21 days for harvest, grazing or cutting treated crops for feed.
3 R	Warrior II w/ Zeon Technology, Lamcap II	lambda-cyhalothrin	0.96-1.60 fl oz	For control before the larvae bores into the ear. PHI 21 days for harvest, grazing or cutting treated crops for feed.