

Insecticide Treatment Options for Corn Rootworm Adults 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

FS = Feeding Stimulant

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.
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.
3 R	Asana XL	esfenvalerate	5.8-9.6 fl oz	PHI 21 days. Apply at the first sign of silk feeding.
3 R	Baythroid XL	beta-cyfluthrin	1.6-2.8 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. As part of an aerial-applied corn rootworm control program, use a minimum of 9 fl oz per acre.
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	13-26 fl oz	PHI 21 days for grain, ears, forage or fodder.
1B, 3 R	Cobalt Advanced	chlorpyrifos and gamma cyhalothrin	11-26 fl oz	PHI 21 days for grain, ears, forage or fodder.
3 R	Declare	gamma-cyhalothrin	1.02-1.54 fl oz	PHI 21 days for grain, livestock grazing or silage harvest.
1B	Dimethoate 4EC	dimethoate	0.66-1 pt	PHI 21 days for grain and 14 days for silage and grazing.
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	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.
FS	Invite EC	cucurbitacin	12 fl oz	Invite EC contains cucurbitacin, a corn rootworm specific feeding stimulant/arrestant. Apply in combination with 4 oz Penncap-M insecticide or other insecticides. Use Invite with caution in areas where adult corn rootworm organophosphate (OP) resistance has been documented. Control may not always be optimal in OP resistance areas if Invite is tank-mixed with methyl parathion or carbaryl.
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 R	Lannate LV	methomyl	0.75-1.5 pts	PHI 21 days for ears and stover, and 3 days for forage.
1A R	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	1-2 pts	PHI 21 days before harvest of grain, ears, forage or fodder. The labelled rate will control silk clipping.
1B R	Methyl 4EC	methyl parathion	0.5 pt	PHI 12 days. Do not apply during the pollen shed period.
3 R	Mustang Maxx, Respect	zeta-cypermethrin	2.72-4.0 oz	PHI 30 days for grain and stover. PHI 60 days for forage.

1B R	Penncap-M	microencapsulated methyl parathion	1-2 pts	PHI 12 days for harvest, forage and grazing.
3 R	Proaxis	gamma-cyhalothrin	2.56-3.84 fl oz	PHI 21 days.
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 + 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.
3 R	Tombstone	cyfluthrin	1.6-2.8 fl oz	PHI 21 days for grain or fodder and 0 days for green forage.
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.