

Insecticide Treatment Options for Stalk Borer 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; 1B = Organophosphates
- Group 3 = Sodium channel modulators
- 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	Pre-Emergence, and Post-Emergence: 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	Apply prior to or when the larvae are moving into the corn from surrounding weeds and grasses. 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. Application must be made early in migration from grassy areas to corn, before borers enter the plant.
3 R	Baythroid XL, Tombstone	cyfluthrin	1.6-2.8 oz	PHI 21 days for grain or fodder and 0 days for green forage. Application must be made prior to the larva boring into the plant.
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	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. For control before the larva bores into the plant stalk or ear.
3 R	Brigade 2EC, Fanfare 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. Do not apply to soil

	Bifenture EC, Discipline 2EC, Sniper, Tundra EC			where there is greater than 30% cover of crop residue remaining.
3 R	Capture 3RIVE 3D	bifenthrin	At Planting: 4-16 fl oz/acre	Liquid insecticide for use in a 3RIVE 3D system only.
1B, 3 R	Cobalt	chlorpyrifos and gamma cyhalothrin	38-42 fl oz	Do not use in combination with a burndown herbicide. Treat approximately 11 days after application of glyphosate or after burndown with paraquat herbicide is complete (3 to 5 days). PHI 21 days for grain, ears, forage or fodder.
1B, 3 R	Cobalt Advanced	chlorpyrifos and gamma cyhalothrin	32-42 fl oz	Do not use in combination with a burndown herbicide. Treat approximately 11 days after application of glyphosate or after burndown with paraquat herbicide is complete (3 to 5 days). 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.
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. Apply to early instar larvae prior to boring into the stalk.
3 R	Ethos 3D	bifenthrin	At Planting: 0.21-1.05 fl oz/1000 row ft	Liquid insecticide/fungicide for use in a 3RIVE 3D system only.
3 R	Ethos XB	bifenthrin	At Planting: 3.4-17.0 fl oz/acre PRE: 3.4 fl oz/acre Foliar: 2.8-8.5 fl oz/acre	For mixing directly with liquid fertilizer to control listed soil pests. Contains a fungicide, <i>Bacillus amyloliquefaciens</i> strain D747 for suppression of seedling diseases. 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.
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	2 pts	Do not use in combination with a burndown herbicide. Treat approximately 11 days after application of glyphosate or after burndown with paraquat is complete (3 to 5 days). PHI 21 days before harvest of grain, ears, forage or fodder.

3 R, and 11 (fungicide)	Manticor LFR	bifenthrin and pyraclostrobin	At Planting: 0.49-1.09 fl oz/1000 row ft	For soil insect pests and soilborne/seedling disease control and plant health in corn by mixing directly with liquid fertilizer using at-plant (t-band or in-furrow) applications.
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.
3 R	Pounce 1.5G	permethrin	6.7-10.0 lbs broadcasted, 8 oz/1000 row ft	Do not make treatments less than 7 days apart. PHI 30 days for grain and fodder (stover). Forage may be harvested on the day of application.
3 R	Pounce 25WP	permethrin	6.4-9.6 fl oz	PHI 30 days for grain and fodder.
3 R	Proaxis	gamma-cyhalothrin	2.56-3.84 fl oz	For control of larvae before they bore into the stalk. 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	2.5-3.5 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.
3 R	Temetry LFR	bifenthrin	At Planting: 8.5-19 fl oz/acre	For soil insect pests and soilborne/seedling disease control and plant health in corn by mixing with liquid fertilizer using at-plant (t-band or in-furrow) applications.
1B, 3 R	Tundra Supreme	chlorpyrifos and bifenthrin	5.6-16.8 fl oz	PHI 30 days for grain and silage. Do not use this product in combination with a burndown herbicide for control of common stalk borer.
3 R	Warrior w/ Zeon Technology, Silencer	lambda-cyhalothrin	2.56-3.84 fl oz	For control before the larvae bores into the stalk. 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	For control before the larvae bores into the stalk. PHI 21 days for harvest, grazing or cutting treated crops for feed.
3 R	Xpedient Plus V	bifenthrin	At Planting: 2.56-10.24 fl oz/acre OR 0.15-0.60 fl oz/1000 row ft Pre-emergence: 2.56 fl oz	Apply as a 5 to 7 inch band over the row on the soil surface, a 5 to 7 inch t-band over the open furrow, in-furrow or broadcast to the soil surface. May be applied and can be tank mixed with pre-emergence herbicides.