

## Insecticide Treatment Options for Cutworms in Field Corn

*Updated December 09, 2019*

**Note:** Pre-emergence or planting time applications are not generally recommended for cutworm control in field corn in Nebraska.

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 4 = Nicotinic acetylcholine receptor agonists/antagonists; 4A = Neonicotinoids
- Group 6 = Chloride channel activators
- Group 28 = Ryanodine receptor modulators, Diamides

**R** = Restricted-Use Product

Mode Of Action	Product Name	Common Name	Rate (Formulation)	Restrictions/Comments
3R	Ambush 2EC	permethrin	At Planting: 0.5 fl oz/1000 row ft  Pre-Emergence, and Post-Emergence: 6.4-12.8 fl oz	Apply in an infurrow, band, or t-band at planting in a minimum of a 4-inch band. PHI 30 days for grain or fodder (stover). Forage may be harvested on the day of application.
3R	Arctic 3.2EC	permethrin	At Planting: 0.3 fl oz/1000 row ft  Pre-Plant Incorporated or Pre-Emergence: 0.3-0.6 fl oz/1000 row ft or 4-6 fl oz/acre	Planting time: apply as an infurrow, band or t-band treatment using a minimum 4 inch band. Pre-Plant Incorporated and Pre-Emergence: apply in time period from 5 days prior to planting up to emergence of the crop. Post-Emergence. PHI 30 days for harvest of grain or fodder (stover). Forage may be harvested on the day of application.

			Post Emergence: 4-6 fl oz/acre	
3 R	Asana XL	esfenvalerate	At Planting: 0.45 fl oz/1000 row ft  Pre and Post Emergence: 5.8-9.6 fl oz/acre	Planting time: Apply as an infurrow, t-band or band treatment using a minimum 4-inch band. Pre-Emergence and Post-Emergence. PHI 21 days.
4A, 6 R	Avicta Duo Corn	thiamethoxam and abamectin	Pre-treated seed treatment to protect corn seedlings from early season nematode and insect damage.	Treated seed must be planted into the soil at a depth greater than 1 inch. Allow a minimum of 45 days after planting Avicta Duo Corn treated corn seed before treating the corn with a neonicotinoid insecticide.
1B, 3 R	Aztec 2.1G	tebupirimphos and cyfluthrin	6.7 oz/1000 row ft	Planting time. Optimum control achieved when applied as a T-band or band application.
1B, 3 R	Aztec 4.67G via SmartBox System	tebupirimphos and cyfluthrin	3 oz/1000 row ft	Planting time. Granular insecticide for use in SmartBox system only. Optimum control achieved when applied as a T-band or band application.
1B, 3 R	Aztec HC	tebupirimphos and cyfluthrin	1.5 oz/1000 row ft	Planting time. T-band or in-furrow application. Apply with SmartBox system.
3 R	Baythroid XL	beta-cyfluthrin	0.8-1.6 fl oz/acre	Post-Emergence. PHI 21 days for grain or fodder and 0 days for green forage.
28	Belt SC	flubendiamide	2-3 fl oz/acre	Post-Emergence. PHI 1 day for green forage and silage and 28 days for grain or stover.
3, 28R	Besiege	lambda-cyhalothrin, chlorantraniliprole	5-10 fl oz	Post-Emergence. PHI 21 days. Do not feed treated corn fodder or silage to meat or dairy animals within 21 days after last treatment.
3R	Brigade 2EC, Fanfare 2EC, Bifenture EC, Discipline 2EC, Sniper, Tundra EC	bifenthrin	At Planting: 0.15-0.30 fl oz/1000 row ft  Pre-Plant Incorporated: 3-4 fl oz/acre  Pre-Emergence: 2.56 fl oz/acre  Post Emergence: 2.1-6.4 fl oz/acre	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 where there is greater than 30% cover of crop residue remaining. Planting time, Pre-Plant Incorporated, Pre-Emergence and Post-Emergence.

3 R	Capture 3RIVE 3D	bifenthrin	4-16 fl oz/acre	Liquid insecticide for use in a 3RIVE 3D system only.
3 R	Capture LFR	bifenthrin	At Planting: 0.20-0.39 fl oz/1000 row ft  Pre-Plant Incorporated: 4.0-5.3 fl oz/acre  Pre Emergence: 3.4 fl oz/acre	Capture LFR insecticide is for mixing directly with liquid fertilizer to control soil insect pests. Do not apply to soil where there is greater than 30% cover of crop residue remaining. Planting time, Pre-Plant Incorporated and Pre-Emergence.
1B, 3R	Cobalt	chlorpyrifos and gamma cyhalothrin	T-band at Planting: 1.89 fl oz/1000 row ft  Pre-Emergence: 13-38 fl oz/acre  Post-Emergence: 13-26 fl oz/acre	PHI 21 days for grain, ears, forage or fodder. Incorporate the at-planting t-band applications into the top 1-inch of soil using tines, chains or other suitable equipment. Apply post-emergence applications to soil when it is moist and cutworms are active on or near the soil surface. Shallow incorporation may improve control.
1B, 3R	Cobalt Advanced	chlorpyrifos and gamma cyhalothrin	PrePlant, At-Plant, or Pre-Emergence: 11-38 fl oz  Post-Emergence: 11-26 fl oz	PHI 21 days for grain, ears, forage or fodder.
4A	Cruiser 5FS	thiamethoxam	Pre-treated seed. 0.25 mg ai/kernel	Treated seed must be planted into the soil at a depth greater than 1 inch. Do not make any soil or foliar application of products containing thiamethoxam to crops grown from seed treated with Cruiser 5FS.
3R	Declare	gamma-cyhalothrin	At Planting: 0.26 fl oz/1000 row ft  Foliar: 0.77-1.28 fl oz/acre	PHI 21 days for grain, livestock grazing or silage harvest.
1B, 3 R	Defcon 2.1G	phosphorothionate and cyfluthrin	6.7 oz/1000 row ft	Planting time. Apply in a band, or T-band for optimum control. Defcon 2.1G is not systemic and will not interact with corn herbicides. For field, sweet, seed, silage and popcorn.
3R	Delta Gold	deltamethrin	1.0-1.5 fl oz/acre	PHI 21 days for grain or fodder. PHI 12 days for cutting or

				grazing for forage.
3 R	Ethos 3D	bifenthrin	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  PPI: 4-5.3 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.
3R	Fastac EC	alpha-cypermethrin	At Planting: 0.15 fl oz/1000 row ft  Post-Emergence: 1.3-2.8 fl oz/acre	Apply at planting as an infurrow, band, or T-band treatment. PHI 30 days for grain and stover. PHI 60 days for forage.
3 R	Force 3G Conventional and SmartBox Systems	tefluthrin	3-5 oz/1000 row ft	Band or T-band placement at planting time. Three-ounce rate for first-year corn only.
3 R	Force 6.5G	tefluthrin	1.8-2.3 oz/1000 row ft	Field corn, popcorn and seed corn. Band or T-band placement at planting. Banded granules must be incorporated into the top one inch of soil using tines, press wheels, closing wheels or other suitable equipment.
3 R	Force 10G HL SmartBox Systems	tefluthrin	1.25-1.5 oz/1000 row ft	Field corn, popcorn and seed corn. Band or T-band placement at planting. Banded granules must be incorporated into the top one inch of soil using tines, press wheels, closing wheels or other suitable equipment.
3 R	Force CS, Force EVO	tefluthrin	0.46-0.57 fl oz/1000 row ft	Field corn, popcorn, sweet corn and seed corn. T-band or in-furrow placement at planting. T-band applications need to be followed by an incorporation of 1 inch into the soil either by using tines, press wheels, closing wheels, or other suitable equipment which are either attached to the planter or part of the planter system.
1B R	Fortress 5G via SmartBox System	chlorethoxyfos	3.0-3.75 oz/1000 row ft	For use only with SmartBox closed handling application system. Planting time. T-band applications will enhance control of cutworms.

3R	Hero	zeta-cypermethrin and bifenthrin	At Plant Use: 4.0-10.3 fl oz/acre  Foliar Use: 2.6-6.1 fl oz/acre	Labelled for at planting-time and foliar applications. For cutworm spp. at planting, apply on the soil surface in a 5-7 inch band in a minimum of 3-7 gallons per acre. PHI 30 days for grain and stover and 60 days for forage.
1B, 3 R	Index	bifenthrin and chlorethoxyfos	0.44-0.72 fl oz/1000 row ft	Field corn, popcorn, sweet corn and seed corn. Apply as an in-furrow application only at planting.
1B	Lorsban 15G via Conventional and SmartBox Systems	chlorpyrifos	8 oz/1000 row ft	Planting time. T-band application recommended. PHI 35 days for grain. Do not allow meat or dairy animals to graze in treated areas or harvest treated corn silage as feed for meat or dairy animals within 14 days after last treatment. Do not feed treated corn fodder to meat or dairy animals within 35 days after last treatment.
1B R	Lorsban Advanced, Lorsban 4E, Govern 4E, Hatchet, Nufos 4E, Warhawk, Yuma 4E	chlorpyrifos	1-2 pts/acre	Planting time, Pre-Emergence and Post-Emergence. Recommended to apply when soil is moist and cutworms are active on or near the soil surface. Shallow incorporation may improve control. PHI 21 days before harvest of grain, ears, forage or fodder.
28	Lumivia	chlorantriliprole	0.25-0.75 mg ai/kernel	Do not exceed a maximum of 0.054 lb ai/A
4A	Macho 600 ST, Senator 600 ST	imidacloprid	Pre-treated seed. 1.34 mg ai/kernel	Seed treatment. Reduces feeding damage caused by leaf feeding larvae that are 0.5 inch or less in length.
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.
1B R	Methyl 4EC	methyl parathion	0.5 pt	PHI 12 days. Do not apply during the pollen shed period. Labeled for climbing cutworms.
3 R	Mustang Maxx, Respect	zeta-cypermethrin	Planting time: 0.16 fl oz/1000 row ft  Post-Emergence: 1.28-2.8 fl oz/acre	Apply at planting as an in-furrow, band or t-band treatment using a minimum 4-inch band. PHI 30 days for grain and stover. PHI 60 days for forage.
1B R	PennCap-M	microencapsulated methyl parathion	4 pts	Apply under moist soil conditions. PHI 12 days for harvest, forage and grazing.
4A	Poncho 600	clothianidin	Pre-treated seed.	A systemic insecticide seed treatment for control of listed insect

			0.25 - 0.50 mg ai/K.	pests.
4A	Poncho/Votivo	clothianidin and <i>Bacillus firmus</i> I-1582	Pre-treated seed. 0.5 mg ai/kernel.	A systemic insecticide and biological seed treatment for control of listed insect pests and protection from listed soil plant pathogenic nematodes. Use planting equipment that will plant treated seed into the soil to a minimum depth of 0.5 inch.
3 R	Pounce 1.5G	permethrin	Planting time: 8 oz/1000 row ft  Pre-Plant Incorporated, Pre-Emergence and Post-Emergence: 6.7-10.0 lbs/acre	Planting time, Pre-Plant Incorporated, Pre-emergence and Post-Emergence. 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 25 WP	permethrin	Planting time: 0.5 oz/1000 row ft  Pre-Plant Incorporated, Pre-Emergence and Post-Emergence: 6.4-9.6 oz/acre	Planting time, Pre-Plant Incorporated, Pre-Emergence and Post-Emergence. PHI 30 days for grain and fodder (stover). Forage may be harvested on the day of application.
3 R	Proaxis	gamma-cyhalothrin	Planting time: 0.66 fl oz/1000 row ft  Post-Emergence: 1.92-3.20 fl oz/acre	Apply in a 5 to 7 inch t-band or in-furrow in a minimum spray volume of 3 GPA at planting time. PHI 21 days.
1B, 3 R	SmartChoice 5G via SmartBox System	chlorethoxyfos and bifenthrin	3-5 oz/1000 row ft	Planting time.
1B, 3 R	SmartChoice HC SmartBox System	chlorethoxyfos and bifenthrin	1.0-1.67 oz/1000 row ft	Field corn, popcorn, sweet corn and seed corn. Apply as an in-furrow application only at planting. Do not make more than one application per year.
1B, 3R	Stallion	chlorpyrifos and zeta-cypermethrin	At Planting: 0.68 fl oz/1000 row ft (30" row spacing)  Pre-Plant Incorporated and Pre-Emergence: 11.75 fl oz/acre	At planting, apply as in-furrow, band or t-band treatment using a minimum 4-inch band. Apply as pre-emerge broadcast within 7 days of planting. For PPI applications, incorporate in up to 2 inches of soil using field equipment. PHI 30 days for grain or stover and 60 days for forage.

			Post Emergence: 3.75-11.75 fl oz/acre	
3R	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	Temitry LFR	bifenthrin	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 t-band or in-furrow applications at planting.
3R	Tombstone	cyfluthrin	0.8-1.6 fl oz/acre	Post-Emergence. PHI 21 days for grain or fodder and 0 days for green forage.
1B, 3 R	Tundra Supreme	chlorpyrifos and bifenthrin	At Planting: 0.4-0.8 fl oz  Post-Emergence: 5.6-16.8 fl oz	PHI 30 days for grain and silage. Shallow incorporation using a rotary hoe or other equipment may improve control.
3 R	Warrior w/ Zeon Technology, Silencer	lambda- cyhalothrin	Planting time: 0.66 fl oz/1000 row ft  Post-Emergence: 1.92-3.20 fl oz/acre	PHI 21 days for harvest, grazing or cutting treated crops for feed.
3 R	Warrior II w/ Zeon Technology, Lamcap II	lambda- cyhalothrin	Planting time: 0.33 fl oz/1000 row ft  Post-Emergence: 0.96-1.60 fl oz/acre	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-Plant Incorporated: 3-4 fl oz  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.  Incorporation of this product should be close to the intended seed planting depth, and no deeper than 3 inches.  May be applied and can be tank mixed with pre-emergence herbicides.