

Insecticide Treatment Options for Chinch Bugs in Field Corn

Updated December 09, 2019

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 4 = Nicotinic acetylcholine receptor agonists/antagonists; 4A = Neonicotinoids
- 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 fl oz	PHI 21 days. Spray must be directed at the base of the plant through the use of drop nozzles.
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.
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	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. Begin applications when bugs migrate from small grains or grass weeds to small corn. Direct spray to the base of corn plants.
3 R	Brigade 2EC, Fanfare 2EC, Bifenture 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.

	Discipline 2EC, 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.
4A	Cruiser 5FS	thiamethoxam		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.
3 R	Declare	gamma-cyhalothrin	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.
3 R	Ethos XB	bifenthrin	2.8-8.5 fl oz	PHI 30 days for grain, silage and grazing.
4A	Gaucho 600, Concur, DynaShield, Imida, Latitude, Macho, Nuprid and Senator	imidacloprid	0.60 mg ai/kernel	Pre-treated seed. Treated seed must be adequately covered with soil at planting.
3 R	Fastac EC	alpha-cypermethrin	3.2-3.8 fl oz	Scout cornfields and make applications when bugs migrate from small grains or wild grasses to corn. Direct spray to the base of the plant. 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.
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	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	3.2-4.0 fl oz	PHI 30 days for grain and stover. PHI 60 days for forage.
4A	Poncho 600	clothianidin	0.25 - 0.50 mg ai/K	Pre-treated seed. A systemic insecticide seed treatment for control of listed insect pests.
4A	Poncho/Votivo	clothianidin and <i>Bacillus firmus</i> I-1582	Pre-treated seed. 0.50 mg ai/K	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	Proaxis	gamma- cyhalothrin	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.
3 R	Temitry 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 R	Thimet 20G, via Lock'n Load and SmartBox	phorate	4.5-6.0 oz/1000 row ft	Apply granules to base of plants just ahead of cultivation shovels so as to cover granules with soil. Apply as soon as nymphs are observed. PHI 30 days for harvest, graze, or forage.

	Systems			
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	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	1.92 fl oz	PHI 21 days for harvest, grazing or cutting treated crops for feed.