

## Insecticides for First-Generation European Corn Borer Control in Field Corn

Updated January 5, 2007 by Robert Wright

### Economic Threshold:

[Treatment decisions for 1st generation European corn borer](#)

For information on biology and management of European Corn Borer, see [The European Corn Borer: Biology & Management](#).

This list is not inclusive. See <http://www.greenbook.net> or other resources for additional registrations. This information is presented in abbreviated form. Be sure to consult the label for additional information and restrictions.

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### 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 11 = Microbial disruptors of insect midgut membranes (includes transgenic crops expressing *Bacillus*); 11B2 = *B. t. subsp. kurstaki*

**R** = Restricted-Use Product

Mode of Action	Product Name	Common Name	Rate (Formulation)	Restrictions/Comments
3 <b>R</b>	Ambush 2E	permethrin	6.4-12.8 fl oz/acre	<b>Can be applied by chemigation.</b>
3 <b>R</b>	Asana XL	esfenvalerate	7.8-9.6 fl oz/acre	<b>Can be applied by chemigation.</b>
3 <b>R</b>	Baythroid 2	cyfluthrin	1.6-2.8 fl oz/acre	PHI 21 days for grain or fodder. REI 12 hrs. Application must be made prior to the larva boring into the plant.
3 <b>R</b>	Capture 1.15G	bifenthrin	3.5-8.7 lb product/acre	

3 R	Capture 2EC	bifenthrin	2.1-6.4 fl oz/acre	<b>Can be applied by chemigation.</b> Field corn (grain and silage), popcorn and seed corn. Apply in a minimum of 2 - 5 gallons of spray per acre by aircraft or 10 gallons per acre with ground equipment. Do not apply within 30 days of harvest.
11B2	Dipel 10G, Condor G	<i>Bacillus thuringiensis</i>	10 lb/Acre 5-10 lb/acre	Broadcast. Banded over row.
11B2	Dipel ES	<i>Bacillus thuringiensis</i>	1.5-2.5 pts/acre	<b>Can be applied by chemigation.</b>
1A R	Furadan 4F	carbofuran	1.5-2 pts/acre	
11B2	Javelin WG	<i>Bacillus thuringiensis</i>	0.5 - 1.5 lb/acre	
1B	Lorsban 15G	chlorpyrifos	6-8 oz/1000 row ft	
1B R	Lorsban 4E	chlorpyrifos	1-2 pts/acre	<b>Can be applied by chemigation.</b>
11B2	M-Peril	<i>Bacillus thuringiensis</i>	6-12 oz/1000 row ft 7-20 lb/acre	Banded over row. Broadcast.
3 R	Mustang Max	zeta-cypermethrin	2.72-4.0 fl oz/acre	<b>Can be applied by chemigation.</b> Apply in a min. spray volume of 2 gal/acre by air. A 24c label with a 1-day PHI for use on seed corn, field corn and popcorn.
1B	Nufos 4E	chlorpyrifos	1-2 pints/acre	
1B R	Pennacap-M	methyl parathion	2 pts/acre 3-4 pts/acre	<b>Can be applied by chemigation.</b> Banded over row. Broadcast.
				<i>Do not apply during pollen shed if bees are foraging in the areas to be treated.</i>
3 R	Pounce 1.5 G	permethrin	8-16 oz/1000 row ft 6.7-13.3 lbs/acre	Banded over row. Broadcast.
3 R	Pounce 3.2 EC	permethrin	4-8 fl oz/acre	<b>Can be applied by chemigation.</b>
3 R	Pounce 25WP	permethrin	6.4 - 12.8 oz/acre	Apply in a min. of 2 gal of spray per acre by air, 10 gal of spray per acre by ground. Do not apply more than 0.6 lb ai per acre per season.
3 R	Proaxis	gamma-cyhalothrin	2.56-3.84 fl oz/acre	<b>Can be applied by chemigation.</b> For control before larvae bore into the plant stalk.
5	Tracer	spinosad	1 - 3 fl oz/acre	Do not apply more than 6 fl oz per acre per year. Do not apply within 28 days of grain or fodder harvest or within 7 days of forage harvest.

3 <b>R</b>	Warrior 1 EC	lambda- cyhalothrin	2.56-3.84 fl oz/acre	<b>Can be applied by chemigation.</b>
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 [Nebraska EntWeb](#) > [Biology and Treatment Recommendations](#) >