

Insecticides for Corn Earworm Control in Seed Corn

Updated January 4, 2007 by Robert Wright

Economic Threshold:

10 eggs per 100 plants if silks are removed and examined for eggs outside the field,
OR 10% of the plants with eggs if examined in the field (Purdue University).

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

R = Restricted-Use Product

Mode of Action	Product Name	Common Name	Rate (Formulation/Acre)	Restrictions/Comments
3 R	Ambush 2 E	permethrin	6.4-12.8 oz/acre	
3 R	Asana XL	esfenvalerate	5.8-9.6 oz/acre	
3 R	Baythroid 2	cyfluthrin	1.6-2.8 fl oz/acre	PHI 21 days for grain or fodder. REI 12 hrs.
3 R	Capture 2 EC	bifenthrin	2.1-6.4 oz/acre	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.
1A	Lannate LV	methomyl	0.75-1.5 lbs/acre	Do not apply more than 2.25 lb ai per acre per crop.
1A	Lannate SP	methomyl	0.25-0.50 lb/acre	Do not apply more than 2.25 lb ai per acre per crop.

3 R	Mustang Max	zeta-cypermethrin	2.72-4.0 oz/acre	A 24c label with a 1-day PHI for use on seed corn, field corn and popcorn. This labeling must be in the possession of the user at the time of pesticide application.
1B	Nufos 4E	chlorpyrifos	1.5-2.0 pts/acre	Apply 2-5 gal of spray per acre by air.
3 R	Pounce 3.2 EC	permethrin	4-8 oz/acre	
3 R	Pounce 25WP	permethrin	6.4-12.8 oz/acre	Do not make treatments less than 6 days apart. Up to 0.6 lb ai may be used per season.
3 R	Proaxis	gamma-cyhalothrin	1.92-3.20 fl oz/acre	Apply a minimum of 2 gal of spray per acre by air.
1A	Sevin 4F	carbaryl	1-2 quarts/acre	Repeat applications as needed up to a total of 4 times, but not more than once every 14 days. Do not apply within 48 days of harvest of grain and fodder or within 14 days of harvest of forage or silage.
3 R	Warrior 1CS	cyhalothrin	1.92-3.20 fl oz/acre	When applying by air, apply in a minimum of 2 gals of water/acre.
3 R	Warrior 1 EC	lambda- cyhalothrin	1.92-3.2 oz/acre	

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