

Insecticides for Grasshopper Control in Field Corn

Updated January 5, 2007 by Robert Wright

Economic Thresholds:

Grasshopper Population (Hoppers/Square Yard)	Field	Field Margin	Treatment necessary?
Non-economic	0-2	5-10	No
Light	3-7	11-20	Questionable, depends on size, species, type of crop
Moderate	8-14	20-40	Probably
Abundant	15 or more	41 or more	Yes

For more information, see [NebFact 328, A Guide to Grasshopper Control in Cropland](#).

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	Asana XL	esfenvalerate	5.8-9.6 oz	Lower rates may be used for smaller grasshoppers. Higher rates may be necessary to control large populations, or mature grasshoppers.
3 R	Baythroid 2	cyfluthrin	2.1-2.8 fl oz/acre	PHI 21 days for grain or fodder. REI 12 hrs.

3 R	Capture 2EC	bifenthrin	2.1-6.4 fl oz per acre	
1B	Dimethoate 2.67EC	dimethoate	1.0-1.5 pint per acre	
1A R	Furadan 4 F	carbofuran	¼-½ pint	
1B R	Lorsban 4 E	chlorpyrifos	½-1 pint	
3 R	Mustang Max	zeta-cypermethrin	2.72-4.0 oz product/acre	Apply in a minimum of 2 gallons/acre by air and 10 gallons/acre by ground.
1B	Nufos 4E	chlorpyrifos	0.5-1.0 pint per acre	
1B R	Penncap-M	methyl parathion	2-3 pints	Do not apply Penncap-M during pollen-shed if bees are foraging in the areas to be treated.
3 R	Proaxis	gamma-cyhalothrin	2.56-3.84 fl oz/acre	When applying by air, apply in a minimum of 2 gallons of water/acre.
1A	Sevin 4F	carbaryl	1-2 quart per acre	
1A	Sevin XLR Plus	carbaryl	1-3 pints	
3 R	Warrior 1 CS	cyhalothrin	2.56-3.84 fl oz product/acre	When applying by air, apply in a minimum of 2 gallons of water/acre.
3 R	Warrior 1 EC	lambda-cyhalothrin	2.56-3.84 oz	

 [Nebraska EntWeb](#) > [Biology and Treatment Recommendations](#) >