

Suggested Treatments for Adult Corn Rootworm in Field Corn

Updated January 4, 2007 by Robert Wright

For more information on corn rootworm, consult the following publications:

- Extension Circular 1563, [Corn Rootworm Management](#)
- NebGuide G774, [Western Corn Rootworm Soil Insecticide Treatment Decisions Based on Beetle Numbers](#)
- NebGuide G1108, [Evaluating Corn Rootworm Soil Insecticide Performance](#)
- UNL Miscellaneous Publication 63, Adult Corn Rootworm Management

Note: Poor control due to insecticide resistance has been observed with products containing methyl parathion and carbaryl in Phelps and York counties (Nebraska) and surrounding areas. See NebFact 99-366, [Larval Western Corn Rootworm Insecticide Resistance in Nebraska](#), and NebFact 99-367, [Adult Western Corn Rootworm Resistance in Nebraska](#).

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

FS = Feeding Stimulant

Mode of Action	Product Name	Common Name	Rate (Formulation/Acre)	Restrictions/Comments
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3 R	Ambush 2EC	permethrin	6.4-12.8 fl oz	Field corn, popcorn, seed corn. Apply prior to brown silk stage. Apply a minimum of 1 gal per acre spray volume when applying by air. May be chemigated.
3 R	Asana XL	esfenvalerate	5.8-9.6 fl oz	Field corn. May be chemigated.
3 R	Baythroid 2	cyfluthrin	1.6-2.8 fl oz	PHI 21 days for grain or fodder. REI 12 hrs.
3 R	Capture 2EC	bifenthrin	2.1-6.4 fl oz	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.
1B	Cygon 400	dimethoate	2/3-1 pint	Labeled for field corn only.
FS	Invite EC	cucurbitacin	12 fl oz	Invite EC contains cucurbitacin, a corn rootworm specific feeding stimulant/arrestant. Apply in combination with 4 oz PennCap-M insecticide or other insecticides. Use Invite with caution in areas where adult corn rootworm organophosphate (OP) resistance has been documented. Control may not always be optimal in OP resistance areas if Invite is tank-mixed with methyl parathion or carbaryl.
1B R	Lorsban 4E	chlorpyrifos	1-2 pints	Field corn, seed corn. May be chemigated.
1B	Malathion 57EC	malathion	1.5 pints	
1B	Malathion ULV 95%	malathion	4-8 fl oz	

3 R	Mustang Max	zeta-cypermethrin	2.72-4.0 oz	Apply in a minimum of 2 gallons/acre by air and 10 gallons/acre by ground
1B R	PennCap-M (Other Formulations)	methyl parathion	1.5-2 pints 0.25 lb ai	Field corn, popcorn, specialty corn. Use a minimum of 1 gal per acre spray volume when applying by air.
3 R	Pounce 3.2EC	permethrin	4-8 fl oz	Field corn, popcorn, seed corn. Apply a minimum of 2 gal per acre spray volume when applying by air. May be chemigated.
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 XLR	carbaryl	1-2 quarts	Field corn and popcorn. See bee caution on label. May be chemigated.
1A	Sevin 4-Oil ULV	carbaryl	1 quart	Do not apply more than twice.
3 R	Warrior 1EC	lambda-cyhalothrin	2.56-3.84 fl oz	Field corn, popcorn and seed corn. May be chemigated. When applying by air use a minimum of 2 gallons of water per acre.

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