

Insecticides for Chinch Bug Control in Sorghum

Updated October 20, 2003 by ZB Mayo

For information on biology and management of chinch bugs,
consult NebGuide G86-806, [Chinch Bug Management](#).

Planting-Time Treatments

Post-Emergence Treatments

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 4 = Nicotinic acetylcholine receptor agonists/antagonists; 4A = Neonicotinoids

R = Restricted-Use Product

Planting-Time Treatments

Mode of Action	Product Name	Common Name	Rate (Formulation)	Restrictions/Comments
4A	Cruiser (Adage) 5FS seed treatment	thiamethoxam	5.1 fl oz/cwt of seed	Purchase treated seed from seed dealers. There is a 120 day plant-back interval for soybeans and corn.
1A R	Furadan 4 F ("24-C")	carbofuran	2.5 oz/1000 row ft	Apply directly into seed furrow using 7-20 gallons per acre spray volume.
4A	Gaicho seed treatment	imidacloprid	8.0 oz/cwt of seed	Purchase treated seed from seed dealers. There is a 30 day plant-back interval for soybeans and corn.

Post-Emergence Treatments

Mode of Action	Product Name	Common Name	Rate (Formulation)	Restrictions/Comments
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1A	Sevin 80 S	carbaryl	1.25 - 2.5 lbs/acre	Apply as a basal directed spray with at least 30 gallons of water per acre.
1A	Sevin XLR Plus	carbaryl	1 - 2 qts/acre	Apply as a basal directed spray with at least 30 gallons of water per acre.
1A R	Furadan 4 F ("24-C")	carbofuran	1 pt/acre	Apply as a basal directed spray in 20-30 gallons of water. Do not make more than two foliar applications per season. Do not apply after heads emerge from the boot. Do not graze treated fields or cut for silage or forage within 30 days of treatment.
3 R	Warrior 1 EC	lambda-cyhalothrin	2.56 - 3.84 fl oz/acre	Direct spray to base of sorghum plants. Apply when chinch bugs begin to migrate into field. Repeat application at 3-5 day intervals if needed. Do not apply within 30 days of harvest. Do not apply more than 0.48 pts per acre per season. Do not apply more than 0.16 pints per acre after the crop reaches the dough stage.
1B R	Thimet 20 G	phorate	6 oz/1000 row ft	Apply by ground only over or at base of plants at cultivation, and cover with soil. One application per season. Do not feed foliage before grain harvest.
3 R	Baythroid 2	cyfluthrin	1.3 - 2.8 oz/acre	For best control, applications should be directed at the basal portions of the plant. A total of 3 applications may be made. Allow at least 10 days between applications and at least 14 days between the last application and harvest of grain or dry forage.
1B R	Lorsban 4E	chlorpyrifos	1 - 2 pts/acre	Apply 1/2 to 1 lb. a.i. (1-2 pints). The treated crop is not to be used for forage, fodder, hay, or silage within 30 days after application of 1/2 lb. a.i./acre, or within 60 days at rates above 1/2 lb./acre. Do not apply to drought stressed sorghum within 3 days following irrigation or rain. Do not treat sweet varieties of sorghum. Do not apply more than 1 1/2 lb. a.i./acre per season.
3 R	Mustang	zeta-cypermethrin	3.4 - 4.3 oz/acre	Begin applications when bugs migrate from small grains or grass weeds to small sorghum. Direct spray to the base of plants with sufficient spray volume to penetrate the soil/stem interface, leaf collars, and sheaths.