

Insecticides for Greenbug Control in Sorghum

Updated October 20, 2003 by ZB Mayo

Planting-Time Treatments

Post Emergence Treatments

Economic Thresholds:

Seedling (0-5 leaves)	Treat if greenbug colonies are present on 10-20 percent of plants, and visible yellowing or spotting on leaves is present.
Plants 6 inches tall to boot	Treat if greenbug colonies are beginning to cause red or yellow leaf spotting on lower leaves of most plants AND parasite numbers are low (less than 20 percent of greenbugs parasitized).
Boot to heading	Treat if greenbug colonies are present on most plants, and have killed one lower leaf, and if parasite numbers are low (less than 20 percent of greenbugs parasitized).
Heading to hard dough	Treat if greenbug colonies are present on most plants and have killed two normal-sized leaves, and if parasite numbers are low (less than 20 percent of greenbugs are parasitized.)

For information on biology and management of greenbugs, consult NebGuide G87-838, [Management of Greenbugs in Sorghum](#).

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

R = Restricted-Use Product

At Planting

Mode of Action	Product Name	Common Name	Rate (Formulation)	Restrictions/Comments
4A	Cruiser (Adage) 5FS seed treatment	thiamethoxam	5.1 fl oz per cwt	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	Gaucho 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.
1B R	Thimet 20 G	phorate	6 oz/1000 row ft	Place granules in a 7-inch band over the row at planting and incorporate into the soil. Do not apply directly on the seed.

Post-Emergence

Mode of Action	Product Name	Common Name	Rate (Formulation)	Restrictions/Comments
1B	Dimethoate 4 EC	dimethoate	0.5 - 1.0 pt/acre	Apply in 25-40 gallons of water per acre for ground application and in one or more gallons if applied by air. May apply up to 3 applications per year but do not apply after heading.
1A R	Furadan 4 F ("24-C")	carbofuran	0.5 - 1.0 pt/acre	Apply in sufficient water to obtain thorough coverage. Do not make more than 2 foliar applications per season or apply after heads emerge. Do not graze treated fields or cut for silage or forage within 30 days following treatment.
1B R	Lorsban 4 E	chlorpyrifos	0.5 - 1.0 pt/acre	Apply in sufficient water to obtain thorough coverage. Do not apply more than 3 pints of Lorsban per acre in one season. Treated crop cannot be used for grain, forage, fodder, hay or silage within 30 days after treated with one pint per acre or for 60 days for applications of more than one pint per acre.
1B	Malathion 57 EC	malathion	1.5 pts/acre	Apply in sufficient water to obtain thorough coverage and repeat application if needed.

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