GRAIN SORGHUM INSECTICIDE PERFORMANCE RATING, 2026

	Chemistry	Restricted Entry Interval (hours)	Restricted Use (R)	Chinch Bug	Sorghum Webworm	Corn Earworm	Fall Armyworm	Fire Ants	Greenbug/Yellow Sugarcane Aphid/ Corn Leaf Aphid	Sugarcane Aphid	Sorghum Midge	Stink Bug
Cruiser	NEO	12		8				7	7	8		
Gaucho/Axcess/Senator	NEO	12		8				7	7	8		
NipsIt Inside/Poncho	NEO	12		7					7	8		
Asana XL/Adjourn	SyP	12	X	7	5	4	4		8	0	8	7
Baythroid XL	SyP	12	X	7	5	5	4		8	0	8	7
Besiege	DM+SyP	24	X	7	9	9	9		8	0	8	7
Blackhawk	SP	4			7	8	8	0	0	0	7	0
Dimethoate	OP	48		5	4		5		8	3	8	5
Karate Z/Silencer/Lambda-Cy/Warrior	SyP	24	X	7	5	5	4		8	0	8	7
Heligen	NPV	4				7						
Lannate	Car	48	X	5	8	8	8		7	3	6	5
Mustang Maxx/Respect	SyP	12	X	7	5	5	4		8	0	8	7
Prevathon/Vantacor/Shenzi/Exceliprole	DM	4			9	9	9					
Proaxis/Declare	SyP	24	X	7	5	5	4		8	0	8	7
Sefina	Pyr.	12	X							7		
Sevin/Carbaryl	Car	12		7	7	6	7		5		6	5
Sivanto	BU	4								9		
Transform	SX	24							9	8		

Rating Scale: 0 = no control, 10 = excellent

The performance ratings in the chart are for comparison purposes only and are not necessarily a measure of percent control.

QUICK-VIEW THRESHOLD GUIDE

Insect	Threshold	Scouting Procedure
Sugarcane Aphid	25% infestation with at least 50 aphids per leaf	Scout field edges first – watch closely for expanding infestations
Whorl Feeders	3-6 larvae per whorl	Examine 25 plants in 4 spots (100/field)
Chinch Bug	When stand is threatened	Watch for yellowing/reddening and/or twisting of leaves Check under leaf sheath near soil line for chinch bugs
Greenbug	Plants up to 6 inches – visible damage with colonies present 6 inches to preboot – treat before entire leaves die Preboot to hard dough – treat when 2 or more entire leaves die	Examine 25 plants in 4 spots (100/field)
Yellow Sugarcane Aphid	1 aphid per seedling	Examine 25 plants in 4 spots (100/field)
Sorghum Midge	1 adult midge per head when 25%-30% of plants are flowering	
Corn Earworm/Fall Armyworm	1 larvae 1/2-inch long or longer per head	
Sorghum Webworm	5 larvae per head	
Stink Bug	5 per head from flowering to soft dough 16 per head during hard dough	

GRAIN SORGHUM INSECT CONTROL

Insect	Insecticide	Formulation/Acre	Lb ai/Acre	Acres/ Gallon	Application/Comments	Minimum Days From Last Application to Harvest	Restricted Entry Interval (REI) Hours
Soil Pests Seed Corn Maggot, White Grubs, Wireworms, Southern Corn Rootworm	clothianidin						
	Poncho 600	5.1-6.4 oz/100 lb seed					12
	NipsIt Inside 5 F	5.1-6.4 oz/100 lb seed					12
	imidacloprid				Do not graze or feed to livestock within 45 days of planting.		
	Gaucho 5 FS	6.4 oz/100 lb seed					12
	Axcess 5 FS	6.4 oz/100 lb seed					12
	Senator 5 FS	6.4 oz/100 lb seed					12
	thiamethoxam						
	Cruiser 5 FS	5.1-7.6 oz/100 lb seed					12
Chinch Bug On seedling grain sorghum (6" or less), apply foliar sprays when stand is threatened. On taller plants, apply controls when immature and adult bugs infest 75% of the plants. Use 20-30 gal of water per acre for foliar treatments. Direct sprays toward infested areas.	**At Planting Treatments:**						
	clothianidin						
	Poncho 600	5.1-6.4 oz/100 lb seed					12
	NipsIt Inside 5 F	5.1-6.4 oz/100 lb seed					12
	imidacloprid				Do not graze or feed to livestock within 45 days of planting.		
	Gaucho 5 FS	6.4 oz/100 lb seed					12
	Axcess 5 FS	6.4 oz/100 lb seed					12
	Senator 5 FS	6.4 oz/100 lb seed					12
	thiamethoxam						
	Cruiser 5 FS	5.1-7.6 oz/100 lb seed					12
	Foliar-Applied Treatments:						
	beta-cyfluthrin (**R**)		0.019-0.022			14	12
	Baythroid XL 1 EC	2.0-2.8 oz		45.7-98.5			
	carbaryl		1.0-2.0			21 (grain)	
	Sevin 4L	1-2 qt		4-2		14 (forage)	12
	esfenvalerate (**R**)		0.03-0.05				
	Asana XL 0.66 EC *(See Generic Insecticides)*	5.8-9.6 oz		13-22		21	12
	gamma-cyhalothrin 1.25 CS (**R**)		0.015				
	Proaxis 0.5 CS	3.84 oz		33		30	24
	Declare 1.25 CS	1.54 oz		83		30	24
	lambda-cyhalothrin (**R**)		0.03				
	Warrior II 2.08 CS *(See Generic Insecticides)*	1.92 oz		67		30	24
	zeta-cypermethrin (**R**)		0.02-0.025			14 (grain & forage)	
	Mustang Maxx 0.8 EC *(See Generic Insecticides)*	3.2-4.0 oz		32-40		45 (fodder)	12
Sugarcane Aphid	**At Planting Treatments:**						
	clothianidin						
	Poncho 600	5.1-6.4 oz/100 lb seed					12
	NipsIt Inside 5 F	5.1-6.4 oz/100 lb seed					12
	flupyradifurone		0.13-0.36		Apply as an in-furrow spray at planning.		
	Sivanto Prime 1.67	10-28 oz		12.8-4.6	May be used on sweet sorghum grown for syrup.	45	4
	imidacloprid				Do not graze or feed to livestock within 45 days of planting.		
	Gaucho 5 FS	6.4 oz/100 lb seed					12
	Axcess 5 FS	6.4 oz/100 lb seed					12
	Senator 5 FS	6.4 oz/100 lb seed					12
	thiamethoxam						
	Cruiser 5 FS	5.1 oz/100 lb seed					12

Insect	Insecticide	Formulation/Acre	Lb ai/Acre	Acres/Gallon	Application/Comments	Minimum Days From Last Application to Harvest	Restricted Entry Interval (REI) Hours
Sugarcane Aphid (cont.)	**Foliar-Applied Treatments:**						
	flupyradifurone		0.052-0.09		DO NOT apply more than 28 oz per acre per season. DO NOT use on sweet sorghum.	21 (grain)	
	Sivanto 1.67 SL	4.0-7.0 oz		18.3-32		7 (forage)	4
	sulfoxaflor		0.023-0.047		DO NOT use on sweet sorghum. Do not apply at intervals closer than 14 days apart. Do not apply 3 days before bloom or until after seed set.	14 (grain)	24
	Transform 50 WG	0.75-1.5 oz				7(forage)	
	afidopyropen		0.02		May be used on sweet sorghum.	14 (grain)	12
	Sefina 0.42 DC	6oz		21.3		7 (forage)	
Greenbug, Corn Leaf Aphid, Yellow Sugarcane Aphid	**At Planting Treatments:**						
	clothianidin				Cruiser, Gaucho, Axcess, Senator, NipsIt and Poncho will give early-season suppression of chinch bugs and aphids.		
	Poncho 600	5.1-6.4 oz/100 lb seed					12
	NipsIt Inside 5 F	5.1-6.4 oz/100 lb seed					12
	imidacloprid				Do not graze or feed to livestock within 45 days of planting.		
	Gaucho 5 FS	6.4 oz/100 lb seed					12
	Axcess 5 FS	6.4 oz/100 lb seed					12
	Senator 5 FS	6.4 oz/100 lb seed					12
	thiamethoxam						
	Cruiser 5 FS	5.1-7.6 oz/100 lb seed					12
	Foliar-Applied Treatments:						
	dimethoate		0.25-0.5				
	Dimethoate 4 E	0.5-1.0 pt		8-16		28	48
	Dimethoate 2.67 E	0.75-1.5 pt		5.3-10.7		28	48
	sulfoxaflor		0.023-0.047		DO NOT use on sweet sorghum. Do not apply at intervals closer than 14 days apart. Do not apply 3 days before bloom or until after seed set.	14 (grain)	24
	Transform 50 WG	0.75-1.5 oz				7 (forage)	
Sorghum Midge Apply controls when 25%-30% of heads have begun to flower (yellow anthers) and the number of midge adults found averages one per head.If adults are found in similar number in 3-5 days after treatment and sorghum is still blooming, treat again.	beta-cyfluthrin (**R**)		0.008-0.01				
	Baythroid XL 1 EC	1.0-1.3 oz		45.7-80		14	12
	dimethoate		0.125-0.25				
	Dimethoate 4 E	0.25-0.5 pt		16-32		28	48
	Dimethoate 2.67 E	6-12 oz		10.7-21.3		28	48
	esfenvalerate (**R**)		0.015-0.03				
	Asana XL 0.66 EC	2.9-5.8 oz		22-44		21	12
	(See Generic Insecticides)						
	gamma-cyhalothrin 1.25 CS (**R**)		0.0075-0.01			30	24
	Proaxis 0.5 CS	1.92-2.56 oz		50-66.7		30	24
	Declare 1.25 CS	0.77-1.02 oz		125-167			
	lambda-cyhalothrin (**R**)		0.015-0.02			30	24
	Warrior II 2.08 CS	0.96-1.28 oz		100-133			
	(See Generic Insecticides)						

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Sorghum Midge (cont.)	lambda-cyhalothrin + chlorantraniliprole (**R**)		0.05-0.06				
	Besiege	5-6 oz		21-25.6		21	24
	methomyl (**R**)		0.22-0.45			14	48
	Lannate 2.4 LV	0.75-1.5 pt		5.3-10.6			
	spinosad		0.034-0.075				
	Blackhawk	1.5-3.3 oz				21	4
	(See Generic Insecticides)						
	zeta-cypermethrin (**R**)		0.008-0.025			14 (grain & forage)	
	Mustang Maxx 0.8 EC	1.28-4.0 oz		32-100		45 (fodder)	12
	(See Generic Insecticides)						
Corn Earworm	**Carbamates**						
	methomyl **(R)**		0.22-0.45			14	48
Whorl Stage: treat when 3-6 worms per plant.	Lannate 2.4 LV	0.75-1.5 pt		5.3-10.6			
	carbaryl		1-2			21 (grain)	
Heading: 1 worm per head, 1/2 inch in size.	Sevin XLR	1-2 qt		4-2		14 (forage)	12
	Other Chemistry						
	chlorantraniliprole		0.047-0.098			14	4
	Vantacor/Coragen eVo 5 SC	1.2-2.5 oz		107-51			
	Shenzi/Exceliprole 400 SC	1.7-3.8 oz		75.3-33.7			
	lambda-cyhalothrin + chlorantraniliprole (**R**)		0.06-0.097				
	Besiege	6-10 oz		12.8-21		21	24
	nucleopolyhedrovirus				Apply before reaching economic threshold targeting small larvae. Applications on large larvae often result in poor control. Larvae stop feeding within 1-3 days and die within 3-9 days. See publication AG1306 for more information.	0	4
	Heligen	0.7-1.4 oz		91.4-183			
	spinosad		0.038-0.075				
	Blackhawk	1.67-3.3 oz				21	4
Fall Armyworm, Sorghum Webworm	carbaryl		1-2			21 (grain)	
	Sevin XLR	1-2 qt		2-4	**Heading: Fall Armyworm** – Treat when numbers exceed an average of 1 larvae per head, 1/2 inch in size, in maturing sorghum.	14 (forage)	12
Whorl Stage: treat when 3-6 worms per plant.	chlorantraniliprole		0.048-0.098			14	4
	Vantacor/Coragen eVo 5 SC	1.2-2.5 oz		107-51			
	Shenzi/Exceliprole 400 SC	1.7-3.8 oz		75.3-33.7			
Heading: 1 fall armyworm per head, 1/2-inch or larger in size. 5 sorghum webworms per head	methomyl (**R**)		0.022-0.45		**Sorghum Webworm:** Treat when an average of 5 small larvae are found per head. Use higher rate for sorghum webworm.	14	48
	Lannate 2.4 LV	0.75-1.5 pt		5.3-10.7			
	spinosad		0.038-0.075				
	Blackhawk	1.67-3.3 oz				21	4

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Stink Bugs Treat when 5 bugs per head from flowering to soft dough are found, or when 16 per head at hard dough are found.	beta-cyfluthrin (**R**)		0.01-0.022			14	12
	Baythroid XL 1 EC	1.3-2.8 oz		45.7-98.5			
	gamma-cyhalothrin 1.25 CS (**R**)		0.01-0.015			21	24
	Proaxis 0.5 CS	2.56-3.84 oz		33-50			
	Declare 1.25 CS	1.02-1.54 oz		83-125			
	lambda-cyhalothrin (**R**)		0.02-0.03				
	Warrior II 2.08 CS *(See Generic Insecticides)*	1.28-1.92 oz		66.7-100		21	24
	lambda-cyhalothrin + chlorantraniliprole (**R**)		0.06-0.097				
	Besiege	6-10 oz		12.8-21		21	24
	zeta-cypermethrin (**R**)		0.011-0.025			14 (grain & forage)	
	Mustang Maxx 0.8 EC *(See Generic Insecticides)*	1.76-4.0 oz		32-73		45 (fodder)	12
Fire Ants	imidacloprid				Do not graze or feed to		
	Gaucho 5 FS	6.4 oz/100 lb seed			livestock within 45 days of		12
	Axcess 5 FS	6.4 oz/100 lb seed			planting.		12
	Senator 5 FS	6.4 oz/100 lb seed					12
	thiamethoxam				Seed treatment.		12
	Cruiser 5 FS	5.1-7.6 oz/100 lb seed					