

GENERAL

Sorghum Herbicide Performance

GRASSES AND NUTSEDEGE

Key:

P=Less than 65%

F=65-79%

G=80-90%

E=90% or better

*Safened seed required. For weed control, apply the symbols to the percentage of infestation controlled. For crop tolerance, the symbol relates to the portion of the crop showing no significant injury. These statements are approximations. Statements on the label take preference over these ratings.

TOLERANCE BARNYARD GRASS CRABGRASS FALL PANICUM FOXTAIL, GIANT FOXTAIL, GREEN FOXTAIL, YELLOW GOOSEGRASS JOHNSONGRASS, SEEDLING JOHNSONGRASS, RHIZOME QUACKGRASS SHATTERCANE WILD PROSO MILLET WOOLLY CUPGRASS VOLUNTEER CORN YELLOW NUTSEDEGE

	TOLERANCE	BARNYARD GRASS	CRABGRASS	FALL PANICUM	FOXTAIL, GIANT	FOXTAIL, GREEN	FOXTAIL, YELLOW	GOOSEGRASS	JOHNSONGRASS, SEEDLING	JOHNSONGRASS, RHIZOME	QUACKGRASS	SHATTERCANE	WILD PROSO MILLET	WOOLLY CUPGRASS	VOLUNTEER CORN	YELLOW NUTSEDEGE
PRE-EMERGENCE OR PRE-PLANT INCORPORATED																
Atrazine	G	G	F	P	F	F	F	F	P	P	F	P	P	P	P	P
Bicep II Magnum/ Cinch ATZ*/Parallel Plus*	G	E	E	E	E	E	E	G	P	P	P	P	F	F	P	G
Bullei*	G	E	E	E	E	E	E	G	P	P	P	P	F	F	P	F
Degree Xtra*	G	E	E	E	E	E	E	G	P	P	P	P	F	F	P	G
Dual II Magnum/Cinch/Parallel*	G	E	E	E	E	E	E	G	P	P	P	P	F	F	P	G
Guardsman Max*	G	E	E	E	E	E	E	G	P	P	P	P	F	F	P	G
Lariat*	G	E	E	E	E	E	E	G	P	P	P	P	F	F	P	F
Lasso/Intro*	G	E	E	E	E	E	E	G	P	P	P	P	F	F	P	F
Outlook*	E	E	E	E	E	E	E	E	P	P	P	F	F	F	P	F
POST-EMERGENCE																
Atrazine+crop oil	G	G	F	P	F	F	F	F	P	P	F	P	P	P	P	F
Basagran	E	P	P	P	P	P	P	P	P	P	P	P	P	P	P	G
Paramount <2" grasses	E	E	G	P	E	E	E	P	P	P	P	P	P	P	P	P
Permit	E	P	P	P	P	P	P	P	P	P	P	P	P	P	P	E
Yukon	E	P	P	P	P	P	P	P	P	P	P	P	P	P	P	E

SORGHUM

SOYBEANS

COTTON

RICE

FORAGES

SMALL GRAINS

LAWN & GARDEN

SEED

FERTILIZER

Sorghum Herbicide Performance

BROADLEAVES

*Safened seed required. For weed control, apply the symbols to the percentage of infestation controlled. For crop tolerance, the symbol relates to the portion of the crop showing no significant injury. These statements are approximations. Statements on the label take preference over these ratings.
 ***Due to the population of this weed, the amount of seed produced, length of germination and some ALS resistant waterhemp, these ratings are only approximations. Controlling 80-90% of this weed in a particular field may not be acceptable weed control.

Key:

P=Less than 65%

F=65-79%

G=80-90%

E=90% or better

TOLERANCE
 COCKLEBUR
 COPPERLEAF, HOPHORNBEAN
 JIMSONWEED
 KOCHIA
 LAMBSQUARTER
 MORNINGGLORY
 NIGHTSHADE, BLACK
 PIGWEED
 PRICKLY SIDA
 RAGWEED, COMMON
 RAGWEED, GIANT
 SMARTWEED
 SUNFLOWER
 VELVETLEAF
 WATERHEMP***

PRE-EMERGENCE	TOLERANCE	COCKLEBUR	COPPERLEAF, HOPHORNBEAN	JIMSONWEED	KOCHIA	LAMBSQUARTER	MORNINGGLORY	NIGHTSHADE, BLACK	PIGWEED	PRICKLY SIDA	RAGWEED, COMMON	RAGWEED, GIANT	SMARTWEED	SUNFLOWER	VELVETLEAF	WATERHEMP***
Atrazine	G	G	F	E	G/E	E	G	E	E	E	E	G	E	G	G	G
Bicep II Magnum/Cinch ATZ/Parallel Plus*	G	G	F	E	G/E	E	G	E	E	E	E	G	E	G	G	E
Bullet*	G	G	F	E	G/E	E	G	E	E	E	E	G	E	G	G	E
Degree Xtra*	G	G	F	E	G/E	E	G	E	E	E	E	G	E	G	G	E
Dual II Magnum/Cinch/Parallel*	G	P	P	P	P	F	P	G	E	P	P	P	P	P	P	G
Guardman Max*	G	G	F	E	G/E	E	G	E	E	E	E	G	E	G	G	E
Lariat*	G	G	F	E	G/E	E	G	E	E	E	E	G	E	G	G	E
Lasso/Intro*	G	P	P	P	P	F	P	G	E	P	P	P	P	P	P	G
Outlook*	E	P	F	P	F	E	F	E	E	P	P	P	F	P	P	G
POST-EMERGENCE																
2,4-D Amine	G	E	F	G	F	E	E	F	E	G	G	G	F	G	G	G
2,4-D LOV	G	E	F	G	F	E	E	F	E	G	G	G	P	G	G	G
Aim	G	F	G	G	G	E	E	E	E	G	G	F	G	F	E	G
Atrazine + crop oil	G	E	F	E	E	E	G	E	E	E	E	G	E	E	E	G
Basagran	E	E	P	E	F	F	F	P	P	G	G	G	E	G	G/E	P
Buctril 2EC	E	E	P	G	F	E	G	G	F	P	E	G	G	E	G	F
Clarity/Banvel	G	E	F	E	G	E	E	G	E	G	G	G	E	G	G	G
Hi-Dep	G	E	F	E	G	E	E	G	E	G	G	G	G	G	G	G
Permit	E	E	P	F	F	P	P	P	G	P	G/E	G	F	E	E	F
Yukon	E	E	F	E	G	E	E	G	E	P	E	G	E	E	E	G

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PRODUCT	RATE PER ACRE	SOIL TYPE	ORGANIC MATTER	REMARKS
AAtrex 4L/Atrazine	3.2-4.0 pts.	Med-Fine		Controls broadleaf weeds and some annual grasses. Can be incorporated. May be used on sorghum-sudan hybrid or forage sorghum. Although labeled for pre-emergence, the preferred usage is early post-emergence for crop safety. Do not rotate to small grain. For highly erodible soils defined by SCS: if conservation tillage is practiced, leaving at least 30% of the soil covered with plant residues at planting, apply a max. of 4 pts./A as a broadcast spray. If the soil coverage with plant residue is less than 30% at planting, a max. of 3.2 pts./A may be applied. For soils not highly erodible as defined by SCS apply 4 pts./A as broadcast spray.
	DO NOT USE	Sandy		
AAtrex 9-0/Atrazine	1.8-2.2 lbs.	Med-Fine		Controls broadleaf weeds and some annual grasses. Can be incorporated. May be used on sorghum-sudan hybrid or forage sorghum. Although labeled for pre-emergence, the preferred usage is early post-emergence for crop safety. Do not rotate to small grain. For highly erodible soils defined by SCS: if conservation tillage is practiced, leaving at least 30% of the soil covered with plant residues at planting, apply a max. of 2.2 lbs./A as a broadcast spray. If soil coverage with plant residue is less than 30% at planting, a max. of 1.8 lbs./A may be applied. For soils not highly erodible as defined by SCS apply 2.2 lbs./A as broadcast spray.
	DO NOT USE	Sandy		
Bicep II Magnum/Parallel Plus	DO NOT USE	Coarse		Controls broadleaf weeds and annual grasses. Can be incorporated. Use only with safened seed. Injury may occur if a systemic insecticide is used at planting. Do not follow with small grains.
	2.1-2.33 qts.	Medium	<1%	
	2.1 qts.	Fine	>1%	
	2.6 qts.	Fine	>1.5%	
Bullet/Lariat	2.5 qts.	Coarse	<1.5%	Controls broadleaf weeds and annual grasses. Can be incorporated in medium or fine soils, but not in coarse soil. Use only with safened seed.
	2.75 qts.	Coarse	>1.5%	
	2.75 qts.	Medium	<1.5%	
	2.75-3.75 qts.	Medium	>1.5%	
	3.0 qts.	Fine	<1.5%	
Degree Xtra	3.0-4.0 qts.	Fine	>1.5%	Controls broadleaf weeds and annual grasses. Use only with safened seed. Can be applied preplant incorporate, preemergence surface and postemergence surface. Do not preplant incorporate in coarse or medium soils. Can be applied postemerge to grain sorghum before the crop exceeds 11 inches in height.
	2.0-2.5 qts.	Coarse	<1.5%	
	2.3-2.9 qts.	Coarse	>1.5%	
2.0-2.5 qts.	Medium	<1.5%		
2.3-3.7 qts.	Medium	>1.5%		
2.0-2.9 qts.	Fine	<1.5%		
2.5-3.7 qts.	Fine	>1.5%		
Dual II Magnum/Parallel	1.0-1.33 pts.	Coarse		Controls some broadleaf weeds and annual grasses. Can be incorporated. Use only with safened seed. Do not seed small grains for 4 1/2 months following application.
	1.33-1.5 pts	Medium		
	1.33-1.67 pts	Fine		
Guardman Max	2.5-3.0 pts.	Coarse	<3%	Controls most early season broadleaf weeds and annual grasses. Can be applied 45 days prior to planting, incorporated, pre-emergence, or post up to 12" tall milo. Can be impregnated and mixed with other herbicides. Use only with safened seed.
	3.0-4.0 pts.	Coarse	>3%	
	3.0-4.0 pts.	Med-Fine	<3%	
	4.0-4.6 pts.	Med-Fine	>3%	
Lasso Micro-Tech/Intro	1.5-2.0 qts.	Coarse		Controls some broadleaf weeds and annual grasses. Can be incorporated, check label for recommended rates. Use only with safened seed. Can be tankmixed with Atrazine to improve broadleaf performance.
	2.0-2.25 qts.	Medium		
	2.0-2.5 qts.	Fine		
Outlook	12-14 oz.	Coarse	<3%	Controls annual grasses and some broadleaf weeds. Forage may be grazed after 60 days. Can be applied 45 days prior to planting, incorporated, pre-emergence, or post up to 12" tall milo. Use only with safened seed.
	14-18 oz.	Coarse	>3%	
	14-18 oz.	Med-Fine	<3%	
	18-21 oz.	Med-Fine	>3%	

Sorghum Herbicides

POST-EMERGENT

PRODUCT	RATE PER ACRE	SOIL TYPE	REMARKS
2,4-D Amine Weed Killer	1.0 pt.	All types	Controls broadleaf weeds. Rainfast in 6-8 hours. Apply when crop is 4-8 inches tall. Use drop nozzles when crop is over 8 inches tall. Do not use a surfactant. Amine is safer to crop than LOV. Do not cultivate for 10 days.
2,4-D LOV	0.5 pt.	All types	Controls broadleaf weeds. Rainfast in 6-8 hours. Apply when crop is 4-8 inches tall. Use drop nozzles when crop is over 8 inches tall. Do not use a surfactant. Do not cultivate for 10 days.
AAtrex 4L	4.0 pts.	Med-Fine	Controls broadleaf weeds and some annual grasses. Add 1 qt. crop oil per acre. Apply before weeds are 1.5 inches tall and before sorghum exceeds 12 inches tall. Apply a maximum of 4 pts/A broadcast if no atrazine was applied prior to sorghum emergence. If a postemergence treatment is required following an earlier herbicide application, the total atrazine applied may not exceed 5 pts/A per calendar year.
	DO NOT USE	Sandy	
AAtrex Nine-O	2.2 lbs.	Med-Fine	Controls broadleaf weeds and some annual grasses. Add 1 qt. crop oil per acre. Apply before weeds are 1.5 inches tall and sorghum exceeds 12 inches tall. Apply a maximum of 2.2 lbs/A broadcast if no atrazine was applied prior to sorghum emergence. If a postemergence treatment is required following an earlier herbicide application, the total atrazine applied may not exceed 2.8 lbs/A per calendar year.
	DO NOT USE	Sandy	
Aim EC	0.5 oz.		Crop response will occur and be expressed as temporary leaf speckling. Symptoms are rapidly outgrown. Use a NIS at 0.25% v/v only. Apply to sorghum in all tillage systems from 30 days before planting up through the 6 leaf growth stage.
Basagran	1.5-2.0 pts.	All types	Controls broadleaf weeds. Add one quart COC per acre or add one gallon liquid N per acre or 2.5 lbs. AMS per acre for increased velvetleaf control. Controls yellow nutsedge. May also be used on forage sorghum. Do not apply to sorghum that is heading or blooming.
Buctril 2EC	1.0-1.5 pts.	All types	Controls broadleaf weeds. Can be tank mixed with Atrazine for additional control. Rainfast in 1 hour. Apply to weeds that are 2-6 inches tall. Apply after emergence but prior to preboot stage. If applying 1.5 pts., apply between the 4 leaf stage and prior to preboot stage. Will not make crop brittle.
Clarity/Banvel	8 oz.	All types	Controls Broadleaf weeds and provides suppression of annual grasses. Use on Sorghum from spike to 15" tall, use drops on sorghum greater than 8" tall
Degree Xtra	2-3.7 qts.	All types	Apply before crop reaches 11".
Guardman Max	2.5-4.6 pts.	All types	Apply postemergent to grain sorghum up to 12". Crop oil may be added to increase burndown activity.
Hi-Dep	.67-1.0 pt.	All types	Controls hard to kill broadleaf weeds. Apply .67-1 pt. when crop is 6-8 inches tall. Apply 1 pint when crop is 8-15 inches tall. Use directed spray and drop nozzles when crop is 8-15 inches tall. Do not treat during boot, tasseling or early dough stages.
Permit	.67-1.0 oz.	All types	Controls broadleaf weeds and nutsedge. Apply from the 2-leaf stage through layby stage but before grain head emergence. Add 1 qt. surfactant per 100 gallons of water. Can tank mix with Banvel, 2,4-D, Buctril or Atrazine. Use 1 oz. rate for nutsedge.
Yukon	4-6 oz.	All types	Controls large and small seeded broadleaf weeds. Apply to sorghum from the 2-leaf through 15" tall sorghum. Use drop nozzles if sorghum is taller than 8". Application in the 3 to 5 leaf stage and weeds are small will result in the best performance. Apply to sorghum in a single application, with the rate not to exceed 6 oz.

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CONSERVATION TILLAGE BURNDOWN

PRODUCT	RATE PER ACRE	REMARKS
Glyphosate	1.0-8.0 pts.	Controls emerged grasses and broadleaf weeds prior to crop emergence. Consult label for specific rates and timing. Can be applied in 3 to 20 gallons of water or 10 to 60 gallons of Liquid N per acre. Adding ammonium sulfate at 8.5-17 lbs. per 100 gallons may increase the performance of this product.
Gramoxone Inteon	2.5-3.5 pts.	Controls emerged grasses and broadleaf weeds prior to crop emergence. Consult label for specific rates and timing. Always add either Crop Oil 1 gallon per 100 gallons of mix, MSO at 1 gallon per 100 gallons of mix, or non-ionic surfactant at 1 qt./100 gallons of mix. Gramoxone is a contact herbicide so it is essential to obtain complete coverage of weeds to maximize control.

CONSERVATION TILLAGE

PRODUCT	RATE PER ACRE	SOIL TYPE	REMARKS
Bicep II Magnum/ Parallel Plus	2.1-2.6 qts.	Medium-Fine	Controls broadleaf weeds and annual grasses. Do not incorporate. Use only on safened seed. Can be applied 30 days prior to planting. If weeds are up when applying, use burndown.
Bullet	2.75-4 qts.	Medium-Fine	Controls broadleaf weeds and annual grasses. Use only on safened seed. If weeds are up when applying, use burndown.
Degree Xtra	2.0-3.7 qts.	Coarse-Fine	Controls broadleaf weeds and annual grasses. Use only with safened seed. Use lower rate on coarse soils. Can be applied postemerge to grain sorghum before the crop exceeds 11 inches in height.
Dual II Magnum/ Parallel	1.33pts.	Coarse	Controls some broadleaf weeds and annual grasses. Do not incorporate. Use only on safened seed. Can be applied 30 days prior to planting except on coarse textured soils. If weeds are up when applying, use burndown.
	1.5 pts.	Medium	
	1.67 pts.	Fine	
Guardsman Max	2.5-4.6 pts.	Med-Fine	Controls most early season broadleaf weeds and annual grasses. Can be applied 45 days prior to planting, incorporated, pre-emerge, or post up to 12" tall milo. Can be impregnated and mixed with other herbicides. Use only with safened seed.
Outlook	14-21 oz.	Med-Fine	Controls annual grasses and some broadleaf weeds. Do not apply after crop emergence. Forage may be grazed after 60 days. Use only with safened seed.

Sorghum Insecticides

PEST	PRODUCT	RATE/ACRE	REMARKS
Chinch bug	Asana XL	5.8-9.6 oz.	Use as a directed spray. Harvest interval 21 days.
	Baythroid XL	1.3-2.8 oz.	Applications should be directed at the basal portions of the plant.
	Cobalt	13-38 oz.	Harvest interval 30 days. Use high volume carrier.
	Furadan 4F	1 pt.	Use as a directed spray. 24C label in Missouri. Spray by ground only.
	Lorsban 4E/others	1-2 pts.	Use as a directed spray, higher carrier volumes provide better control. Treated crop is not to be used for forage, fodder, hay or silage within 30 days after 1 pt. or 60 days above 2 pts. Higher carrier volume increases control.
	Mustang Max EC	3.2-4.0 oz.	Apply as needed but no more than 20 oz. per season. 14 day PHI for grain and stover and 45 days for forage. Do not make applications less than 10 days apart.
	Respect	3.2-4.0 oz.	Apply as needed but no more than 20 oz. per season. 14 day PHI for grain and stover and 45 days for forage. Do not make applications less than 10 days apart.
	Silencer/Lambda Star	3.84 oz.	Use as a directed spray at the base of the sorghum plant. Repeat applications if needed. Do not apply within 30 days of harvest.
	Thimet 20G	6.5 lbs.	Apply granules to base of plants or over the top of plants just ahead of cultivation shovels, so as to cover granules with soil. Do not feed foliage before grain harvest.
Warrior II	1.92 oz.	Use as a directed spray at the base of the sorghum plant. Repeat applications if needed. Do not apply within 30 days of harvest.	

Sorghum Insecticides

PEST	PRODUCT	RATE/ACRE	REMARKS	
Corn earworm	Asana XL	5.8-9.6 oz.	Apply as necessary to maintain control. Harvest interval is 21 days.	
	Cobalt	13-38 oz.	Harvest interval 30 days.	
	Lannate L	1-2 pts.	Spray heads with force. Harvest interval 3 days for forage.	
	Lorsban 4E/others	2 pts.	Spray the heads with force. Treated crop is not to be used for forage, hay or silage within 60 days.	
	Mustang Max EC	1.76-4.0 oz.	Apply as needed but no more than 21.5 oz. per season. 14 day PHI for grain and stover and 45 days for forage. Do not make applications less than 10 days apart.	
	Respect	1.76-4.0 oz.	Apply as needed but no more than 21.5 oz. per season. 14 day PHI for grain and stover and 45 days for forage. Do not make applications less than 10 days apart.	
	Silencer/Lambda Star	2.56-3.84 oz.	Spray as needed. Do not apply within 30 days of harvest. Do not exceed 2.56 oz. when crop is in soft dough stage.	
	Tracer 4SC	1.5-3.0 oz.	Application should coincide with peak egg hatch.	
Cutworm/Armyworm	Warrior II	1.28-1.92 oz.	Spray as needed. Do not apply within 30 days of harvest. Do not exceed 2.56 oz. when crop is in soft dough stage.	
	Baythroid XL	1.0-1.3 oz.	Apply as needed but no more than 8.4 oz. per season. Harvest interval and grazing 14 days. 10 day spray interval between applications.	
	Cobalt	13-38 oz.	Harvest interval 30 days.	
	Lorsban 4E	1-2 pts.	Harvest interval 30 days for 1 pt. and 60 days for >1 pt.	
	Mustang Max EC	1.28-4.0 oz.	Apply as needed but no more than 20 oz. per season. 14 day PHI for grain and stover and 45 days for forage. Do not make applications less than 10 days apart.	
	Respect	1.28-4.0 oz.	Apply as needed but no more than 20 oz. per season. 14 day PHI for grain and stover and 45 days for forage. Do not make applications less than 10 days apart.	
	Fall armyworm	Baythroid XL	1.3-2.8 oz.	Apply in sufficient amounts of water to provide thorough coverage.
		Cobalt	13-38 oz.	Harvest interval 30 days.
Lannate L		1-2 pts.	Apply into the whorl. Harvest interval is 0 days for grain, 3 days for forage.	
Lorsban 4E/others		1-2 pts.	Apply into the whorl. Harvest interval 30 days for 1 pint, 60 days for >1 pt. Do not graze meat or dairy animals within 30 days of treatment.	
Mustang Max EC		1.76-4.0 oz.	Apply as needed but no more than 20 oz. per season. 14 day PHI for grain and stover and 45 days for forage. Do not make applications less than 10 days apart.	
Respect		1.76-4.0 oz.	Apply as needed but no more than 20 oz. per season. 14 day PHI for grain and stover and 45 days for forage. Do not make applications less than 10 days apart.	
Silencer/Lambda Star		2.56-3.84 oz.	Apply into the whorl. For control of first and second instar only. Harvest interval is 30 days. Do not graze or harvest for silage or hay.	
Tracer-4SC		1.5-3.0 oz.	Application should coincide with peak egg hatch.	
Grasshoppers	Warrior II	1.26-1.92 oz.	Apply into the whorl. For control of first and second instar only. Harvest interval is 30 days. Do not graze or harvest for silage or hay.	
	Asana XL	5.8-9.6 oz.	Spray outside of field margin before crop injury. Harvest interval 21 days.	
	Baythroid XL	2.0-2.8 oz.	Apply in sufficient water to provide thorough coverage.	
	Cobalt	7-13 oz.	Harvest interval 30 days.	
	Dimethoate 4E	1 pt.	Spray outside of field margin before crop injury. Do not graze within 28 days of application.	
	Furadan 4F	1 pt.	Spray outside field margin before crop injury. Do not forage, cut or harvest within 30 days.	
	Lorsban 4E/others	.5-1 pt.	Spray outside of field before crop injury. Harvest interval 30 days. Do not graze beef or dairy animals within 30 days.	
	Malathion	1.5 pts.	Spray outside of field margin before crop injury. Harvest and forage interval 7 days.	
Mustang Max EC	3.2-4.0 oz.	Apply as needed but no more than 20 oz. per season. 14 day PHI for grain and stover and 45 days for forage. Do not make applications less than 10 days apart.		

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Grasshoppers (cont.)	Respect	3.2-4.0 oz.	Apply as needed but no more than 20 oz. per season. 14 day PHI for grain and stover and 45 days for forage. Do not make applications less than 10 days apart.
	Silencer/ Lambda Star	2.56-3.84 oz.	Spray as needed. Do not apply within 30 days of harvest. Do not exceed 2.56 oz. when crop is in soft dough stage.
	Warrior II	1.26-1.92 oz.	Spray as needed. Do not apply within 30 days of harvest. Do not exceed 2.56 oz. when crop is in soft dough stage.
Greenbug	Cobalt	13-38 oz.	Harvest interval 30 days. Increase rate when greenbug pressure is higher.
	Di-Syston 15G	8.7 lbs.	Apply as a band treatment at planting time. Do not apply directly on seed.
	Dimethoate 4EC	0.5-1 pt.	Spray on underside of leaves. Do not feed or graze within 28 days of last application. No more than three applications per season.
	Furadan 4F	1 pt.	Use as a directed spray. 24C label in Missouri. Spray by ground only.
	Lorsban 4E/others	.5-2 pt.	Treated crop is not to be used for forage, hay or silage for 30 days for 1 pt. and 60 days for > 1 pt.
	Malathion	1.5 pts.	Spray on underside of leaves. Use interval 7 days for harvest or forage.
Sorghum midge	Thimet 20G	6.5 lbs.	Apply as a band treatment at planting time. Do not apply directly on seed. May also be applied as a broadcast treatment in the whorls. Harvest interval 28 days.
	Asana XL	2.9-5.8 oz	Apply as necessary to maintain control. Harvest interval is 21 days.
	Baythroid XL	1.0-1.3 oz.	Apply in sufficient water to provide thorough coverage.
	Cobalt	7-13 oz.	Harvest interval 30 days. Apply when 30-50% of heads are in bloom.
	Lannate L	1-2 pts.	Directly spray on head. Harvest interval 14 days.
	Lorsban 4E/others	.5 pt.	Directly spray on head. Repeat at 3 day interval if necessary. Harvest interval 30 days.
	Mustang Max EC	1.4-4.3 oz.	Apply as needed but no more than 21.5 oz. per season. 14 day PHI for grain and stover and 45 days for forage. Do not make applications less than 10 days apart.
	Respect	1.4-4.3 oz.	Apply as needed but no more than 21.5 oz. per season. 14 day PHI for grain and stover and 45 days for forage. Do not make applications less than 10 days apart.
	Silencer/ Lambda Star	1.92-2.56 oz.	Begin control when 25% of the heads have emerged and are in tip bloom. Repeat applications at 5 day intervals if needed. Harvest interval is 30 days.
Warrior II	1.0-1.28 oz.	Begin control when 25% of the heads have emerged and are in tip bloom. Repeat applications at 5 day intervals if needed. Harvest interval is 30 days.	
Webworm	Baythroid XL	1.3-2.8 oz.	Apply in sufficient water to provide thorough coverage.
	Cobalt	19-38 oz	Harvest interval 30 days.
	Lannate L	2 pts.	Spray plants. Harvest interval 14 days.
	Lorsban 4E/others	1 pt.	Spray plants. Do not use crop for forage, fodder, hay or silage for 30 days.
	Silencer/ Lambda Star	2.56-3.84 oz.	Spray plants. Do not graze or harvest for silage or hay. Harvest interval is 30 days.
	Tracer 4SC	1.5-3.0 oz.	PHI is 7 days for grain, 14 days for forage.
	Warrior II	1.28-1.92 oz.	Spray plants. Do not graze or harvest for silage or hay. Harvest interval is 30 days.