

GRAIN SORGHUM

See page 29 for PRECAUTIONS on use of atrazine containing products near ground and surface water. See comments in the corn section for detailed information on each of the herbicides listed below such as application methods and crop rotation restrictions.

Preemergence

ATRAZINE 4L 1.6 to 2 qt/A or (atrazine 1.6 to 2 lb ai/A)
 AATREX NINE-O 1.8 to 2.2 lb/A

Weeds Controlled: Black nightshade, cocklebur, common ragweed, giant ragweed, jimsonweed, lambsquarters, morningglories, pigweeds, prickly sida, smartweed, velvetleaf.

Remarks: In case of crop failure, sorghum may be replanted into soil previously treated with ATRAZINE. Do not make a second ATRAZINE application or injury may occur.

Preplant Incorporate or Preemergence

DUAL II MAGNUM or CINCH 1.33 to 1.67 pt/A (S-metolachlor 1.3 to 1.6 lb ai/A)

Weeds Controlled: Black nightshade, crabgrass, fall panicum, foxtails, pigweeds, yellow nutsedge.

Remarks: Use CONCEP treated sorghum seed.

MICRO-TECH or INTRRO 2 to 2.75 qt/A (alachlor 2 to 2.75 lb ai/A)

Weeds Controlled: Barnyardgrass, black nightshade, crabgrass, fall panicum, foxtails, pigweeds, yellow nutsedge.

Remarks: Use SCREEN (flurazole) treated sorghum seed.

OUTLOOK 6E 14 to 20 oz/A (dimethenamid-P 0.66 to 0.94 lb ai/A)

Weeds Controlled: Barnyardgrass, crabgrass, fall panicum, foxtails, black nightshade, pigweed.

Remarks: Use sorghum seed treated with a seed safener.

BICEP II MAGNUM or CINCH ATZ 1.6 qt/A	(S-metolachlor:atrazine 1.0:1.2 lb ai/A)
OR	OR
DUAL II MAGNUM or CINCH 1 pt/A	(S-metolachlor 1.0 lb ai/A)
+	+
AATREX 4L 1.2 qt/A or	(atrazine 1.2 lb ai/A)
AATREX NINE-O 1.3 lb/A	

Weeds Controlled: Black nightshade, cocklebur, common ragweed, crabgrass, fall panicum, foxtails, jimsonweed, lambsquarters, morningglories, pigweeds, prickly sida, smartweed.

Remarks: Use CONCEP or SCREEN treated sorghum seed.

68 Grain Sorghum

BULLET 4WDL 3 to 3.5 qt/A	[alachlor:atrazine (1.9:1.1) to (2.3:1.4 lb ai/A)]
OR	OR
MICRO-TECH or INTRRO 2 to 2.75 qt/A	(alachlor 2 to 2.75 lb ai/A)
+	+
AATREX 4L 1 to 1.5 qt/A	(atrazine 1 to 1.5 lb/A)
AATREX NINE-O 1.1 to 1.67 lb/A	

Weeds Controlled: Barnyardgrass, black nightshade, cocklebur, common ragweed, crabgrass, fall panicum, foxtails, jimsonweed, lambsquarters, morningglory, pigweeds, prickly sida, smartweed.

Remarks: Use SCREEN treated sorghum seed.

GUARDSMAN MAX 5E 3 to 4.6 pt/A	[dimethenamid-P:atrazine (0.6:1.2) to (0.98:1.9) lb ai/A]
OR	OR
OUTLOOK 6E 14 to 20 oz/A	(dimethenamid-P 0.66 to 0.94 lb ai/A)
+	+
ATRAZINE 4L 1 to 2 qt/A or	(atrazine 1 to 2 lb ai/A)
AATREX NINE-O 1.1 to 2.2 lb/A	

Weeds Controlled: Barnyardgrass, black nightshade, cocklebur, common ragweed, crabgrass, fall panicum, foxtails, jimsonweed, lambsquarters, morningglory, pigweed, prickly sida, smartweed.

Remarks: Use sorghum seed treated with a seed safener such as SCREEN or CONCEP.

MILO-PRO 4L 0.75 to 1.2 qt/A	(propazine 0.75 to 1.2 lb ai/A)
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Weeds Controlled: Lambsquarters, morningglories, pigweeds, ragweed, smartweed, velvetleaf.

Remarks: Shallow incorporate (less than 2 inches deep) or apply preemergence at planting before weeds and sorghum emerges. If replanting is necessary, sorghum may be planted into soil previously treated with PROPAZINE; however, an additional application is prohibited. Do not apply more than one application per crop growing season. Do not rotate to small grain crops less than 120 days after application. Corn may be planted 12 months after treatment; other crops may require an 18 month waiting period after treatment. Do not apply within 70 days of harvest for sorghum forage or within 90 days of harvest for grain sorghum or sorghum stover. Not registered for use on sweet sorghum.

No Tillage

NOTE: These treatments include foliar herbicides to kill existing vegetation at or prior to planting and soil residual herbicides for preemergence control of annual grasses and broadleaf weeds. These may be applied either before or after planting but before crop emergence. Depending on the amount of vegetation present and the herbicides used apply in 20 to 40 gallons of liquid per acre. Consult the herbicide labels for specific directions.

INTRRO 2.25 qt/A	(alachlor 2.25 lb ai/A)
+	+
ATRAZINE 4L 1 to 1.5 qt/A	(atrazine 1 to 1.5 lb/A)
ATRAZINE 90DF 1.1 to 1.67 lb/A	
+	+
GRAMOXONE INTEON 2S 2 to 4 pt/A or FIRESTORM or PARAZONE 3S 1.3 to 2.7 pt/A with NON-IONIC SURFACTANT	(paraquat 0.28 to 1.0 lb ai/A) or (paraquat 0.47 to 1.0 lb ai/A)
OR	OR
ROUNDUP WeatherMAX 2 pt/A or GLYPHOSATE 3 pt/A [4 lb ai/gal (3 lb ae/gal)]	(glyphosate 1.5 lb ai/A)

Weeds Controlled: Barnyardgrass, black nightshade, cocklebur, common ragweed, crabgrass, fall panicum, foxtails, jimsonweed, lambsquarters, morningglory, pigweeds, prickly sida, smartweed.

Remarks: Apply ONLY to grain sorghum seed that has been treated with a seed protectant or safener such as SCREEN or CONCEP.

BULLET 3 to 3.75 qt/A	[alachlor:atrazine (1.9:1.1) to (2.3:1.4 lb ai/A)]
OR	OR
MICRO-TECH 2.25 qt/A	(alachlor 2.25 lb ai/A)
+	+
AATREX 4L 1 to 1.5 qt/A	(atrazine 1 to 1.5 lb/A)
AATREX NINE-O 1.1 to 1.67 lb/A	
+	+
GRAMOXONE INTEON 2S 2 to 4 pt/A or FIRESTORM or PARAZONE 3S 1.3 to 2.7 pt/A with NON-IONIC SURFACTANT	(paraquat 0.28 to 1.0 lb ai/A) or (paraquat 0.47 to 1.0 lb ai/A)

Weeds Controlled: Barnyardgrass, black nightshade, cocklebur, common ragweed, crabgrass, fall panicum, foxtails, jimsonweed, lambsquarters, morningglory, pigweeds, prickly sida, smartweed.

Remarks: Use SCREEN treated sorghum seed.

70 Grain Sorghum

GUARDSMAN MAX 5E 3 to 4.6 pt/A	[dimethenamid-P:atrazine (0.6:1.2) to (0.98:1.9) lb ai/A]
OR	OR
OUTLOOK 6E 14 to 20 oz/A	(dimethenamid-P 0.66 to 0.94 lb ai/A)
+	+
ATRAZINE 4L 1 to 2 qt/A or	(atrazine 1 to 2 lb ai/A)
AATREX NINE-O 1.1 to 2.2 lb/A	
+	+
GRAMOXONE INTEON 2S 2 to 4 pt/A or	(paraquat 0.28 to 1.0 lb ai/A) or
FIRESTORM or PARAZONE 3S 1.3 to 2.7 pt/A	(paraquat 0.47 to 1.0 lb ai/A)
with NON-IONIC SURFACTANT	
OR	OR
ROUNDUP WeatherMAX 2 pt/A or	
GLYPHOSATE [4 lb ai/gal (3 lb ae/gal)] 3 pt/A	(glyphosate 1.5 lb ai/A)

Weeds Controlled: Barnyardgrass, black nightshade, cocklebur, common ragweed, crabgrass, fall panicum, foxtails, jimsonweed, lambsquarters, morningglory, pigweed, prickly sida, smartweed.

Remarks: Use sorghum seed treated with a seed safener.

BICEP II MAGNUM or CINCH ATZ 1.8 to 2.1 qt/A	[S-metolachlor:atrazine (1.1:1.4) to (1.3:1.6) lb ai/A]
OR	OR
DUAL II MAGNUM or CINCH 1.5 pt/A	(S-metolachlor 1.4 lb ai/A)
+	+
AATREX 4L 1.5 to 1.8 qt/A or	(atrazine 1.5 to 1.8 lb ai/A)
AATREX NINE-O 1.7 to 2 lb/A	
+	+
GRAMOXONE INTEON 2S 2 to 4 pt/A or	(paraquat 0.28 to 1.0 lb ai/A) or
FIRESTORM or PARAZONE 3S 1.3 to 2.7 pt/A	(paraquat 0.47 to 1.0 lb ai/A)
with NON-IONIC SURFACTANT	
OR	OR
ROUNDUP WeatherMAX 2 pt/A or	
GLYPHOSATE [4 lb ai/gal (3 lb ae/gal)] 3 pt/A	(glyphosate 1.5 lb ai/A)

Weeds Controlled: Black nightshade, cocklebur, common ragweed, crabgrass, fall panicum, foxtails, jimsonweed, lambsquarters, morningglories, pigweeds, prickly sida, smartweed.

Remarks: Use CONCEP or SCREEN treated sorghum seed.

EXPERT 4.88L 3 qt/A	[S-metolachlor:atrazine:glyphosate (1.3:1.6:0.75) lb ai/A]
OR	OR
SEQUENCE 5.25L 3.5 pt/A	[S-metolachlor:glyphosate (1.3:1.0) lb ai/A]
+	+
AATREX 4L 1.5 to 1.8 qt/A or	(atrazine 1.5 to 1.8 lb ai/A)
AATREX NINE-O 1.7 to 2 lb/A	

Weeds Controlled: Barnyardgrass, cocklebur, common ragweed, crabgrass, fall panicum, foxtails, jimsonweed, lambsquarters, morningglory, black nightshade, pigweed, prickly sida, smartweed.

Remarks: Use CONCEP or SCREEN treated sorghum seed.

Postemergence

AIM EW 0.5 fl.oz/A (carfentrazone 0.008 lb ai/A)
 +
 SURFACTANT (Non-Ionic 80%) 0.5 pt/25 gal (additive)

Weeds Controlled: Black nightshade, lambsquarters, morningglories, velvetleaf.

REMARKS: Apply from prior to planting up to 6 leaf collar growth stage of grain sorghum. When weeds are under stress or are larger, higher use rates of AIM at 0.6 to 1 oz/A may be made with directed spray equipment or hooded sprayers.

BASAGRAN 4S 1.5 to 2 pt/A (bentazon 0.75 to 1 lb ai/A)

Weeds Controlled: Cocklebur, giant ragweed, jimsonweed, prickly sida, smartweed, velvetleaf, yellow nutsedge.

Remarks: BROADCAST. Maximum weed control is obtained when applied to small weeds (seed label for specific weed sizes). Do not apply to grain sorghum that is heading or blooming. For best control of certain weed species oil concentrate should be added according to label directions.

BUCTRIL 2EC 1 to 1.5 pt/A (bromoxynil 0.25 to 0.38 lb ai/A)

Weeds Controlled: Black nightshade, cocklebur, common ragweed, jimsonweed, lambsquarters, smartweed, velvetleaf.

Remarks: BROADCAST. Observe label for specific rates and growth stages of crop and weeds. Do not cut for feed or graze within days of application.

2,4-D AMINE 1 pt/A (2,4-D 0.5 lb ai/A)
 [4 lb ai/gal formulation]

Weeds Controlled: Black nightshade, cocklebur, common ragweed, giant ragweed, lambsquarters, morningglories, pigweeds, prickly sida, velvetleaf.

Remarks: BROADCAST or DIRECTED. Apply when sorghum is 6 to 15 inches tall. USE DIRECTED applications when sorghum is 8 to 15" tall. Do not apply during flowering or early dough stage.

RAGE D-TECH 8 oz/A [carfentrazone:2,4-D (0.08:0.37) lb ai/A]
 +
 SURFACTANT (Non-Ionic 80%) 0.5 pt/25 gal (additive)

Weeds Controlled: Black nightshade, cocklebur, lambsquarters, morningglories, pigweeds, velvetleaf.

Remarks: BROADCAST or DIRECTED. Apply as a broadcast treatment with drop nozzles when sorghum is from 5 inches to the V6 growth stage.

DICAMBA 4S 8 oz/A (0.5 pt/A) (dicamba 0.25 lb ai/A)
 [ie. BANVEL, CLARITY, ORACLE, STERLING, etc.]

Weeds Controlled: Black nightshade, cocklebur, common ragweed, giant ragweed, jimsonweed, lambsquarters, morningglories, pigweeds, prickly sida, smartweed, velvetleaf.

Remarks: BROADCAST or DIRECTED. Apply after sorghum is in the 3-leaf stage and before it is 15 inches tall. Use drop nozzles if sorghum is taller than 8 inches. For optimum results, apply when sorghum is in the 3-leaf to 5-leaf stage and weeds are small (less than 3 inches). Do not graze or feed treated sorghum as forage or silage prior to mature grain stage.

72 Grain Sorghum

WEEDMASTER 1 pt/A

[dicamba:2,4-D (0.125:0.36 lb ai/A)]

Weeds Controlled: Black nightshade, cocklebur, common ragweed, giant ragweed, jimsonweed, lambsquarters, morningglories, pigweeds, prickly sida, smartweed, velvetleaf.

Remarks: BROADCAST. Apply to sorghum in the 3–5 leaf stage (4 to 8" tall). For optimum results apply when weeds are small (less than 3" tall). Under periods of rapid growth temporary leaning or rolling of leaves may occur. Sorghum growing under conditions of stress may be sensitive to injury.

STARANE 1.5E 0.67 pt/A

(fluroxypyr 0.125 lb ai/A)

Weeds Controlled: Cocklebur, common ragweed, morningglory, velvetleaf.

Remarks: BROADCAST or DIRECTED. Apply as a broadcast treatment when grain sorghum is from the 3-leaf through the 7-leaf growth stage. Use drop nozzles and directed spray from the 8-leaf stage to boot stage. Do not apply after the boot stage. An adjuvant may be added for improved weed control. Do not allow livestock to graze or harvest forage within 40 days of application. Do not apply within 70 days of harvesting grain or stover.

PERMIT 75DF 0.67 oz/A

(halosulfuron 0.032 lb ai/A)

+
NON-IONIC SURFACTANT 1 to 2 qt/100 gal
or CROP OIL CONCENTRATE 4 qt/100 gal

+
(additive)

Weeds Controlled: Cocklebur, common ragweed, pigweed, velvetleaf, yellow nutsedge.

Remarks: BROADCAST. Apply PERMIT to crop after 2-leaf stage but before grain head emergence. Observe label for size of specific weed species. Do not cut for feed or graze within 30 days after application. Rotational crops which may be planted include wheat after 3 months, soybeans after 10 months following application.

YUKON 67.5 WDG 4 to 6 oz/A

[halosulfuron:dicamba (0.031:138) to (0.05:21) lb ai/A]

+
NON-IONIC SURFACTANT 1 to 2 qt/100 gal
or CROP OIL CONCENTRATE 4 qt/100 gal

+
(additive)

Weeds Controlled: Black nightshade, cocklebur, jimsonweed, lambsquarters, morningglory, pigweeds, common ragweed, giant ragweed, smartweed, velvetleaf, yellow nutsedge.

Remarks: BROADCAST or DIRECTED. Apply YUKON to crop from the 2-leaf stage through 15 inch tall sorghum. **Use drop nozzles if sorghum is taller than 8 inches.** Observe label for size of specific weed species. Do not graze or feed treated sorghum forage or silage prior to mature grain stage. Rotational crops which may be planted include field corn after 1 month; wheat, rye, oats, sorghums, and forage grasses after 2 months; or soybeans, alfalfa, and clovers after 9 months following application.

GRAMOXONE INTEON 2S 1 to 2 pt/A

(paraquat 0.25 to 0.5 lb ai/A)

OR
FIRESTORM or PARAZONE 3SL 0.7 to 1.3 pt/A
with SURFACTANT

OR
(paraquat 0.28 to 0.47 lb ai/A)

Weeds Controlled: Many small annual grasses and broadleaf weeds.

Remarks: DIRECTED. Apply when sorghum is at least 12 inches tall and naturally standing. Direct spray to lower 3 inches of the sorghum plant using nozzles mounted on skid shoes, oiling shoes, fenders, or cultivators with gauge wheels. Do not exceed 30 psi when spraying.
