

## TABLE 8 – Weed Response to Herbicides in Forage Sorghum\*

Soil Applied	SITE OF ACTION	SORGHUM TOLERANCE**	ANNUAL BROADLEAVES										ANNUAL GRASSES							PERENNIALS						
			COCKLEBUR	JIMSONWEED	LAMBSQUARTERS	T-R LAMBSQUARTERS <sup>a</sup>	NIGHTSHADE (E. BLACK)	PIGWEEED (REDROOT)	RAGWEEED (COMMON)	RAGWEEED (GIANT)	SMARTWEEED	VELVETLEAF	WILD MUSTARD	BARNYARDGRASS	CRABGRASS	GIANT FOXTAIL	GREEN FOXTAIL	YELLOW FOXTAIL	FALL PANICUM	WITCHGRASS	SANDBUR	CANADA THISTLE	QUACKGRASS	YELLOW NUTSEDGE	JOHNSONGRASS (seedling)	JOHNSONGRASS (rhizome)
<b>Photosynthesis Inhibitors</b>																										
ATRAZINE	5	1	F	F	<b>E</b>	N	<b>E</b>	<b>G</b>	<b>E</b>	<b>G</b>	<b>G</b>	F	<b>E</b>	<b>G</b>	P	F	F	<b>G</b>	P	P	P	F	F	F	N	N
<b>Others</b>																										
DUAL II MAGNUM/CINCH/PARALLEL <sup>c</sup>	15	1	N	N	P	P	F	<b>G</b>	P	N	P	N	P	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	F	N	N	F <sup>b</sup>	P	N
<b>Postemergence</b>																										
<b>Photosynthesis Inhibitors</b>																										
ATRAZINE	5	1	<b>G</b>	<b>G</b>	<b>E</b>	N	<b>G</b>	<b>E</b>	<b>E</b>	<b>G</b>	<b>G</b>	F	<b>E</b>	F	P	F	<b>G</b>	<b>G</b>	P	P	P	F	F	F	N	N
<b>Others</b>																										
2,4-D AMINE	4	3	<b>G</b>	F	<b>G</b>	<b>G</b>	<b>G</b>	<b>G</b>	<b>G</b>	<b>G</b>	P	F	<b>G</b>	N	N	N	N	N	N	N	N	F	N	N	N	N
BASAGRAN/BROADLOOM	6	1	<b>E</b>	<b>G</b>	F	F	P	P	F	P	<b>G</b>	F	<b>E</b>	N	N	N	N	N	N	N	N	<b>G</b>	N	<b>G</b>	N	N
BUCTRIL/MOXY/OTHERS	6	2	<b>G</b>	<b>G</b>	<b>E</b>	<b>E</b>	<b>G</b>	F	<b>G</b>	<b>G</b>	<b>G</b>	<b>G</b>	F	N	N	N	N	N	N	N	N	P	N	N	N	N
HUSKIE	6/27	2	<b>G</b>	<b>G</b>	<b>E</b>	<b>E</b>	<b>G</b>	<b>G</b>	<b>G</b>	<b>G</b>	<b>G</b>	<b>G</b>	F	N	N	N	N	N	N	N	N	F	N	N	N	N

Herbicide Site of Action: The site of action key is located on pages 15-16.

Herbicide Effectiveness: P = Poor; F = Fair; **G** = Good; **E** = Excellent; N = None; – = Not enough information to rank

\* The above ratings are a relative comparison of herbicide effectiveness. Weather conditions greatly influence the herbicide's effectiveness, and weed control may be better under favorable conditions or poorer under unfavorable conditions.

\*\* Crop Tolerance: 1=Minimal risk of crop injury; 2=Crop injury can occur under certain conditions (soil applied – cold, wet; foliar applied – hot, humid); 3=severe crop injury can occur. Follow precautions under Remarks and Limitations and on the label.

<sup>a</sup> Triazine-resistant lambsquarters

<sup>b</sup> Control of yellow nutsedge will be increased if the treatment is incorporated in the top 2-3 inches of soil.

<sup>c</sup> The recommended use rate of *Parallel* on forage sorghum is a lower rate of the active ingredient when compared to the rate of *Dual II Magnum* and *Cinch*. Level of weed control may be affected.

## TABLE 9 –Weed Control in Forage Sorghum

### Forage Sorghum – Preemergence

Weed Controlled	Herbicide	Rate lb/A a.i.	Formulation/A	Remarks and Limitations
Annual broadleaves	atrazine (AAtrex, others)	2	2 qt 4L	<ul style="list-style-type: none"> <li>• DO NOT use on sands, loamy sands, sandy clay loams or any soil with less than 1% organic matter.</li> <li>• Heavy rains following application may cause injury.</li> <li>• May be applied preplant incorporated.</li> <li>• DO NOT apply to sudangrass.</li> <li>• See label for details.</li> </ul>
Annual broadleaves Annual grasses	atrazine (AAtrex, others) + s-metolachlor (Dual II Magnum, Cinch)	1 + 1.27	1 qt 4L + 1.33 pt 7.6L	<ul style="list-style-type: none"> <li>• CAUTION: Seed must be treated with (<i>Concep II</i> or <i>Screen</i>) herbicide antidote.</li> <li>• See label for additional restrictions.</li> <li>• Commercial prepackaged mix (<i>Bicep II Magnum</i>) is available. See Table 1C.</li> <li>• May be applied preplant incorporated.</li> <li>• DO NOT apply to sudangrass or sorghum-sudangrass hybrids.</li> </ul>
	atrazine (AAtrex, others) + metolachlor (Parallel)	1.2 + 0.98	1.2 qt 4L + 1 pt 7.8L	<ul style="list-style-type: none"> <li>• This is a low rate of the active ingredient when compared to the rate of <i>Dual II Magnum</i> and <i>Cinch</i>. Level of weed control may be affected.</li> <li>• CAUTION: Seed must be treated with (<i>Concep II</i> or <i>Screen</i>) herbicide antidote.</li> <li>• See label for additional restrictions.</li> <li>• May be applied pre-plant incorporated.</li> <li>• DO NOT apply to sudangrass or sorghum-sudangrass.</li> <li>• DO NOT apply on medium soils with less than 1.5% organic matter.</li> </ul>

### Forage Sorghum – Postemergence

Weed Controlled	Herbicide	Rate lb/A a.i.	Formulation/A	Remarks and Limitations
Annual broadleaves	atrazine (AAtrex, others) + crop oil concentrate	1.2	1.2 qt 4L + 1 qt	<ul style="list-style-type: none"> <li>• Apply after sorghum has reached the 3-leaf stage but before it exceeds 12 inches in height.</li> <li>• Apply before common lambsquarters and redroot pigweed reach 6 inches and other broadleaf weeds 4 inches</li> <li>• Heavy rainfall following application may cause injury.</li> <li>• Do not apply on sands or loamy sands.</li> <li>• Do not graze or cut for feed for 21 days following application.</li> <li>• Do not apply to sudangrass.</li> </ul>
	2,4-D amine	0.5	1 pt 4L	<ul style="list-style-type: none"> <li>• Apply when sorghum is 6-8 inches tall.</li> <li>• If sorghum is planted in rows, drop nozzles can be used when the crop is 8-15 inches tall.</li> <li>• Do not graze or harvest for forage for 14 days after treatment.</li> <li>• See remarks and limitations for 2,4-D under “Corn – Postemergence.”</li> <li>• Do not apply to sudangrass or sorghum-sudangrass hybrids.</li> <li>• Consult the 2,4-D label for clearance on forage sorghum.</li> </ul>

(Continued on next page)

## Forage Sorghum – Postemergence (*continued*)

Weed Controlled	Herbicide	Rate lb/A a.i.	Formulation/A	Remarks and Limitations
<i>(continued)</i>				
<b>Annual broadleaves</b>	bromoxynil <i>(Buctril, Moxy, others)</i>	0.375	1.5 pt 2L	<ul style="list-style-type: none"> <li>• Apply to weeds less than 4 inches tall for effective control.</li> <li>• Do not mix with spray additives or liquid fertilizers.</li> <li>• Some leaf burn may occur, especially under cool and cloudy or hot and humid conditions.</li> <li>• Do not cut for feed or graze for 45 days after application.</li> <li>• Do not apply to sudangrass or sorghum-sudangrass hybrids.</li> </ul>
	bentazon <i>(Basagran/Broadloom)</i>	0.75	0.75 qt 4L	<ul style="list-style-type: none"> <li>• Do not apply to sorghum that is headed out.</li> <li>• Do not graze treated area or feed treated forage to livestock for 21 days following application.</li> </ul>
	+ atrazine <i>(commercial product)</i>	+	+	<ul style="list-style-type: none"> <li>• Do not make more than one application per season.</li> <li>• Urea ammonium nitrate (28% liquid nitrogen) may be used at 1 gal/A instead of crop oil concentrate. Do not use urea ammonium nitrate if common lambsquarters is present.</li> </ul>
	+ crop oil concentrate	0.75	+	<ul style="list-style-type: none"> <li>• Do not apply to sudangrass or sorghum-sudangrass hybrids.</li> </ul>
	pyrasulfotole + bromoxynil <i>(Huskie)</i>	0.21	13 oz 2.06L	<ul style="list-style-type: none"> <li>• Refer to Table 8 for weed control and crop tolerance ratings.</li> <li>• Apply to weeds less than 4 inches tall.</li> <li>• <i>Huskie</i> can be applied at rates ranging from 12.8-16 oz/A; with a maximum of 32 oz/A per year. A minimum interval of 11 days is needed between applications.</li> <li>• Under challenging conditions, the addition of 1 lb/A of ammonium sulfate is recommended.</li> <li>• Good spray coverage is essential; a minimum of 10 gallons or more of water per acre is needed.</li> <li>• Expect some transitory leaf burn from <i>Huskie</i> applications.</li> <li>• DO NOT tank-mix <i>Huskie</i> with <i>Lorsban</i>.</li> <li>• DO NOT graze or cut for forage 7 days following application.</li> <li>• DO NOT harvest for grain or stover within 60 days of application.</li> <li>• DO NOT apply to sudangrass or sorghum-sudangrass hybrids.</li> </ul>