

## WEED RESPONSE RATINGS FOR COTTON HERBICIDES

(See explanation of rating tables on page 3.)

HERBICIDES	MODE OF ACTION	GRASSES									BROADLEAVES														SEDGES		Crop Tolerance G – Good F – Fair		
		Barnyardgrass	Bermudagrass	Broadleaf Signalgrass	Crabgrass	Fall Panicum	Foxtail	Goosegrass	Rhizome Johnsongrass	Seedling Johnsongrass	Bigroot Morningglory	Cocklebur	Common Ragweed	Entireleaf Morningglory	Hophornbeam Copperleaf	Lambsquarters	Palmer Amaranth <sup>4</sup>	Pitted Morningglory	Prickly Sida (Teaweed)	Purslane	Redvine	Sicklepod	Smartweed	Spotted Spurge	Spurred Anoda	Velvetleaf (Wild Cotton)		Flatsedges	Yellow Nutsedge
<b>Preplant</b>																													
Reflex	14	6	0	6	6	6	6	6	4	6	0	-	-	6	-	-	10	6	-	-	0	0	-	-	-	-	-	7	G
Treflan + Cotoran/Meturon	3 + 7	9	0	9	9	9	9	9	3	9	0	7	9	7	9	9	9	7	7	9	0	6	7	3	6	5	9	0	G
Treflan or Prowl	3	9	0	9	9	9	9	6	3	9	0	0	3	2	0	8	6	2	0	9	0	0	2	2	0	2	3	0	G
<b>Preemergence</b>																													
Brake + Cotoran	12 + 7	8	0	9	7	9	8	7	2	9	-	8	9	8	9	9	9	9	9	9	0	6	7	6	7	6	9	3	G
Cotoran	7	8	0	8	9	9	8	8	0	7	0	8	9	8	9	9	8	8	8	9	0	6	7	6	7	6	9	0	G
Direx	7	9	0	9	9	9	9	9	0	7	0	7	8	8	9	9	8	8	7	9	0	5	7	6	6	5	9	0	G
Engenia/Xtendimax <sup>1</sup>	4	2	2	2	2	2	2	2	0	2	-	-	-	7	-	-	8	7	2	-	2	7	-	0	6	6	0	0	G
Staple LX + Cotoran	2 + 7	7	0	8	9	8	8	8	0	7	0	8	9	8	9	9	8	8	9	9	0	6	7	9	8	8	9	5	G
<b>Postemergence (over-the-top)</b>																													
Assure II	1	8	8	9	9	9	9	9	9	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	G
Dual Magnum <sup>5</sup>	15	9	0	8	9	9	9	9	0	5	0	0	-	5	5	7	8	2	3	-	0	0	4	3	3	3	8	6	F/G
Engenia/Xtendimax	4	0	0	0	0	0	0	0	0	0	-	8	9	9	-	-	9	9	6	-	8	8	-	0	-	-	0	0	G
Enlist Duo	9 + 4	9	6	10	10	10	10	10	10	10	7	10	10	10	9	10	9	10	9	10	6	9	7	9	9	9	8	5	G
Envoke	2	7	0	5	5	-	-	6	1	5	-	-	-	9	-	-	3	9	2	-	-	9	-	-	5	9	9	9	F/G
Enlist One	4	0	0	0	0	0	0	0	0	0	3	9	9	9	8	9	9	9	8	9	-	8	5	8	8	8	0	0	G
Enlist One + Glufosinate	4 + 10	8	4	8	8	-	-	6	8	9	-	10	9	10	-	9	10	10	8	10	6	8	8	9	9	10	2	3	G
Envoke	2	7	0	5	5	-	-	6	1	5	-	-	-	9	-	-	3	9	2	-	-	9	-	-	5	9	9	9	F/G
Glufosinate <sup>3</sup>	10	8	4	8	8	-	-	6	8	9	-	9	-	10	-	7	9	10	7	-	5	7	8	-	-	10	2	3	G
Glyphosate <sup>2</sup>	9	9	6	10	10	10	10	10	10	10	7	10	9	8	8	9	3	8	8	10	6	8	7	8	7	8	8	5	G
Glyphosate + Envoke	9 + 2	9	6	10	9	10	10	10	10	10	8	9	9	9	8	9	4	9	8	10	5	9	8	8	9	9	9	8	G
Glyphosate + Glufosinate	9 + 10	9	6	10	10	10	10	10	10	10	7	10	9	10	9	9	9	10	8	9	6	9	8	8	9	10	7	7	F
Glyphosate + Staple	9 + 2	9	6	10	10	10	10	10	10	10	8	9	9	9	8	9	4	9	9	10	6	8	8	8	9	9	9	7	G
Outlook <sup>5</sup>	15	9	0	7	9	9	9	9	0	5	0	0	4	0	0	5	8	0	3	0	0	0	4	3	3	2	9	7	F/G
Poast Plus	1	8	7	9	9	9	8	9	8	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	G
Select	1	8	8	9	9	9	9	9	9	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	G
Staple LX	2	2	0	2	2	2	2	2	2	6	-	8	4	9	0	0	3	8	7	-	-	6	8	6	9	9	7	6	G
Warrant <sup>5</sup>	15	6	0	6	6	6	6	6	0	2	0	0	2	0	-	-	8	0	2	-	0	0	-	3	2	2	7	4	F
<b>Postemergence (directed)</b>																													
Aim	14	0	0	0	0	0	0	0	0	0	2	7	7	10	-	-	7	10	7	9	0	4	8	-	-	9	0	2	G
Anthem Flex/Zidua	15	8	0	8	9	8	9	7	0	5	0	-	-	4	-	5	9	6	7	-	0	-	-	-	5	5	9	7	G
Envoke + Caparol	2 + 5	9	0	8	8	-	-	7	-	8	-	10	8	9	-	-	8	10	9	-	-	9	8	9	-	9	10	9	G
Caparol + MSMA	5 + 17	9	0	9	9	9	9	6	9	2	9	8	8	9	9	9	8	8	8	0	7	7	5	7	6	8	6	G	
Cheetah Max	10 + 14	8	4	8	8	-	-	6	1	5	-	9	9	9	9	-	9	10	7	-	-	7	9	-	7	10	2	6	G
Cotoran + MSMA	7 + 17	8	0	8	9	9	8	8	6	8	2	9	8	8	9	9	9	8	7	6	0	7	8	5	7	6	8	6	G
DSMA or MSMA	17	8	0	8	8	8	8	5	6	8	1	9	5	3	3	5	5	3	2	3	0	3	2	0	1	1	6	6	G
Fierce + MSMA (layby)	15 + 14 + 17	9	0	8	9	8	9	9	6	4	3	10	9	10	9	9	9	10	9	10	2	8	9	9	9	9	9	7	G
Karmex + MSMA	7 + 17	9	0	9	9	9	9	6	9	2	9	8	8	9	9	9	8	8	8	0	7	7	5	6	6	8	6	G	
Linex	7	7	0	7	8	7	7	7	0	7	2	7	8	8	9	9	7	8	8	9	0	7	7	7	7	7	7	2	G
Valor (layby) + MSMA	14	9	0	8	8	8	8	5	6	8	3	10	9	10	9	9	9	10	9	10	2	-	9	9	9	9	-	4	G

Rating scale – 0 = No Control 10 = 100% Control. Dash means insufficient data.

<sup>1</sup>Engenia/Xtendimax provide residual control under dry conditions, once rainfall occurs control is rapidly reduced.  
<sup>2</sup>Glyphosate-resistant populations of Palmer amaranth, horseweed and johnsongrass have been found in Arkansas.  
<sup>3</sup>Glufosinate in-crop rating on glyphosate-resistant horseweed is an 8.  
<sup>4</sup>Populations of Palmer Amaranth have been found resistant to herbicide modes of action 2, 4, 9, 10, 14 and 15.  
<sup>5</sup>Residual control only