

WEED RESPONSE RATINGS FOR RICE HERBICIDES

(See Explanation for Ratings Tables on Page 3.)

HERBICIDES	MODE OF ACTION	GRASSES								BROADLEAF WEEDS														SEDGES					
		Barnyardgrass ¹	Broadleaf Signalgrass	Crabgrass	Fall Panicum	Weedy rice	Rice Cutgrass	Sprangletop (loosehead) (bearded sprangletop)	Sprangletop (tighthead) (Amazon)	Ammania (red stem)	Dayflower	Ducksalad	Eclipta	False Pimpernel	Gooseweed	Groundcherry	Hemp Sesbania (coffeebean)	Indian Jointvetch	Northern Jointvetch (curly indigo)	Palmleaf Morningglory	Pigweed, Palmer ²	Pitted Morningglory	Smartweed	Texasweed	Water Hyssop	Flatsedges ³	Spikerush	Umbrella Sedge	Yellow Nutsedge
Preemergence																													
League	2	0	0	0	0	0	0	0	0	7	-	5	-	-	-	9	8	8	2	0	2	7	8	-	8	-	0	8	
Prowl delayed PRE	3	8	6	8	7	0	0	6	6	0	0	4	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	
Facet	4	9	9	9	9	0	0	0	0	3	5	3	8	3	3	8	6	7	7	4	7	0	0	6	5	-	0	0	
Facet + Prowl delayed PRE	4,3	9	9	9	9	0	0	7	7	3	5	3	8	3	3	-	7	7	8	6	8	0	0	6	5	-	0	0	
Facet + Bolero delayed PRE	4,8	9	9	9	9	0	0	8	8	6	7	7	9	7	5	-	8	8	8	5	8	5	-	6	8	7	4	0	
Quinclorac + clomazone, Obey	4,13	10	10	10	10	0	0	9	9	3	6	3	8	3	4	8	7	8	8	4	8	6	0	6	5	7	-	0	
Bolero delayed PRE	8	7	5	7	7	0	0	7	7	7	8	7	8	8	6	-	5	5	5	-	5	5	-	7	7	7	4	4	
Bolero – Water seeded	8	8	7	7	-	8*	0	8	8	3	6	6	-	5	6	-	-	-	-	-	-	-	-	5	7	5	3	3	
Prowl + Bolero delayed PRE	3,8	9	7	8	8	3	0	8	8	7	7	7	8	8	6	-	5	5	5	5	6	5	5	-	7	7	7	4	4
Clomazone	13	9	9	9	9	0	0	9	9	0	3	3	3	-	0	-	2	3	3	4	0	3	2	0	0	0	0	0	
Sharpen	14	0	0	0	0	0	0	0	0	-	-	-	-	-	-	-	6	6	6	7	9	7	4	-	8	-	8	4	
Early Postemergence																													
Clincher	1	8	9	5	9	0	2	9	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Provisia fb Provisia	1	10	10	10	10	10	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ricestar HT	1	9	9	8	7	0	2	9	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grasp	2	8	0	0	0	0	6	0	0	7	8	9	8	-	-	8	8	8	8	4	0	5	7	7	8	8	8	0	6
Londax early post flood	2	0	0	0	0	0	0	0	0	9	7	9	8	9	9	0	6	6	6	5	0	5	6	0	9	8	8	0	6
Newpath/Preface fb Newpath/Preface-Beyond/Postscript	2	9	9	9	9	9 ⁴	9	8	7	8	5	7	0	0	5	9	0	0	0	5	0	7	9	5	0	9	9	0	8
Permit	2	0	0	0	0	0	0	0	0	5	8	3	5	-	4	6	9	3	6	0	0	4	4	5	-	9	-	0	9
Permit Plus	2	0	0	0	0	0	0	0	0	8	9	7	7	-	4	8	9	5	7	3	0	5	8	5	-	9	-	0	9
Gambit	2	0	0	0	0	0	-	0	0	9	9	8	8	-	4	8	9	9	7	3	0	6	8	7	-	9	-	0	9
Regiment	2	8	0	0	0	0	7	3	2	6	9	9	7	-	0	-	8	7	7	4	0	5	10	7	6	4	-	3	5
Strada	2	0	0	0	0	0	0	0	0	8	7	6	7	-	-	4	9	8	9	3	0	4	5	6	-	8	-	0	7
Facet	4	8	9	7	6	0	2	0	0	3	3	3	9	3	3	8	8	8	8	8	4	8	0	0	3	5	-	0	0
Loyant	4	7	8	0	-	0	-	6	6	8	10	10	10	10	9	0	10	10	10	5	9	8	6	-	8	10	-	10	7
Grandstand + Permit	4,2	0	0	0	0	0	0	0	0	8	8	4	5	-	-	4	8	9	9	9	4	9	7	9	-	9	-	3	9
Facet + propanil	4,7	9	9	7	9	0	2	4	5	6	5	6	9	7	5	8	9	9	9	8	8	8	6	6	8	9	9	3	5
Grandstand + propanil	4,7	9	9	7	9	0	0	4	5	9	5	8	9	8	8	4	9	9	9	9	9	7	8	8	9	9	3	5	
Basagran	6	0	0	0	0	0	0	0	0	8	9	6	8	7	7	0	3	3	3	8	0	3	7	0	8	8	8	7	6
Basagran + propanil	6,7	9	9	7	9	0	2	4	5	9	9	7	9	8	7	4	9	9	9	8	7	5	8	6	9	9	9	8	7
Propanil (weeds less than 2")	7	9	9	7	9	0	1	4	5	6	5	7	8	7	5	-	9	9	9	4	8	4	6	6	8	9	9	5	4
Propanil fb propanil	7	9	9	7	9	0	2	7	8	6	6	7	9	7	5	-	9	9	9	5	10	5	8	6	8	10	9	6	6
Propanil + Londax or Duet	7,2	9	9	7	9	0	2	4	5	9	8	7	9	8	9	0	9	9	9	9	7	9	8	5	8	9	9	6	8
Propanil + Permit	7,2	9	9	7	9	0	1	4	5	6	9	7	8	7	5	6	10	9	9	4	7	4	6	5	8	9	9	3	9

¹Some biotypes of barnyardgrass in Arkansas are resistant to Command, propanil, Facet or both (Facet + propanil), Newpath, Grasp, Regiment, Clincher, Ricestar, and Loyant. **Best barnyardgrass control is achieved through a program approach with overlapped residuals at the front of the season.**
²Data from Arkansas resistance screenings has identified WSSA Group 3 (pendimethalin) and Group 14 (saflufenacil) resistant pigweed. Expect reduced control from herbicides such as Prowl or Sharpen when used alone.
³Data from Arkansas resistance screenings indicates more than 50% of annual flatsedge populations test positive for ALS-inhibitor (Permit) resistance.
⁴Off-types and evolved herbicide resistance would reduce this rating significantly (near 0).

*Water seed pin-point flood culture.

**Postemergence control only.

Rating Scale – 0 = No Control 10 = 100% Control.

(Cont. on page 91)

WEED RESPONSE RATINGS FOR RICE HERBICIDES (cont.)

(See Explanation for Ratings Tables on Page 3.)

HERBICIDES	MODE OF ACTION	GRASSES									BROADLEAF WEEDS														SEDGES				
		Barnyardgrass ¹	Broadleaf Signalgrass	Crabgrass	Fall Panicum	Weedy rice	Rice Cutgrass	Sprangletop (loosehead) (bearded sprangletop)	Sprangletop (tighthead) (Amazon)	Ammania (red stem)	Dayflower	Ducksalad	Eclipta	False Pimpernel	Gooseweed	Groundcherry	Hemp Sesbania (coffeebean)	Indian Jointvetch	Northern Jointvetch (curly indigo)	Palmleaf Morningglory	Pigweed, Palmer	Pitted Morningglory	Smartweed	Texasweed	Water Hyssop	Flatsedges	Spikerush	Umbrella Sedge	Yellow Nutsedge
Early Postemergence [cont.]																													
Propanil + Prowl	7,3	9	9	7	9	0	1	9	9	7	5	7	9	7	6	-	9**	9**	9**	5	8	5	6	4	7	9	7	3	5
Propanil + Bolero	7,8	9	9	7	9	0	2	9	9	8	8	8	9	9	6	-	9**	9**	9**	5	8	5	6	4	9	9	9	8	5
Aim	14	0	0	0	0	0	0	0	0	6	7	5	7	-	-	8	9	6	6	10	6	10	9	3	7	-	0	3	0
Sharpen	14	0	0	0	0	0	0	0	0	8	7	5	9	-	7	8	9	9	9	9	7	10	-	8	8	8	-	6	6
Ultra Blazer + propanil	14,7	8	8	7	8	0	1	4	5	6	5	7	8	7	5	8	9	6	9	8	9	8	7	3	8	8	8	2	5
Midseason																													
2,4-D	4	0	0	0	0	0	0	0	0	9	9	9	9	9	6	5	9	5	5	9	8	9	6	0	9	8	8	3	5
Grandstand + propanil	4,7	4	4	4	4	0	0	0	0	9	-	6	6	8	7	3	9	8	9	9	7	9	5	0	8	5	8	5	3
Propanil	7	4	4	4	4	0	0	0	0	4	0	3	4	4	0	4	8	5	5	3	6	0	3	0	8	5	7	5	3
Propanil + Ultra Blazer	7,14	5	5	5	5	0	0	0	0	5	2	4	5	5	2	5	9	6	6	7	7	8	7	0	8	6	7	5	4
Ultra Blazer	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9	0	0	3	6	3	6	0	0	0	0	0	0

*Water seed pin-point flood culture. **Postemergence control only.
Rating Scale - 0 = No Control 10 = 100% Control.

¹Some biotypes of barnyardgrass in Arkansas are resistant to Command, propanil, Facet or both (Facet + propanil), Newpath, Grasp, Regiment, Clincher, Ricestar, and Loyant. **Best barnyardgrass control is achieved through a program approach with overlapped residuals at the front of the season.**

ROW RICE WEED RESPONSE RATINGS TABLE

HERBICIDES	Goosegrass	Large Crabgrass	Johnsongrass	Carpetweed	Entireleaf Morningglory	Prickly Sida	Palmer Amaranth	Sicklepod
Preemergence								
Prowl	C	C	C ¹	C	NR	C	C	NR
Bolero	C	S	-	-	-	-	-	-
Clomazone	S	C	S ¹	NR	NR	S	NR	NR
Sharpen	NR	NR	NR	C	C	C	C	NR
Early Postemergence								
Clincher	S	S	C	NR	NR	NR	NR	NR
Ricestar	S	C	C ¹	NR	NR	NR	NR	NR
Grasp	NR	NR	NR	NR	S	NR	NR	C
Newpath/Preface - Beyond/Postscript	S	S	C ¹	C	S	S	NR	NR
Gambit	NR	NR	NR	NR	S	C	NR	C
Regiment	NR	NR	C	NR	C	NR	NR	C
Loyant	NR	NR	NR	-	NR	NR	C	C
Facet	NR	C	NR	-	C	NR	NR	NR
Grandstand	NR	NR	NR	-	C	NR	NR	C
Propanil	C	C	S	C	C	S	S	S
Ultra Blazer	NR	NR	NR	C	C	NR	S	NR

C = Control S = Suppression NR = Not Recommended

¹Johnsongrass seedling only, not rhizome.

Rainfall-free Periods for Postemergence Rice

Herbicide	Time Before Rainfall	Herbicide	Time Before Rainfall
2,4-D	6 hrs	Newpath/Preface	4 hrs
Aim	1 hr	Permit/Permit Plus	4 hrs
Basagran	8 hrs	Propanil	6 hrs
Beyond/Postscript	4 hrs	Provisia	1 hr
Bolero	nothing on label	Regiment	8 hrs
Clincher	1 hr	Ricestar HT	1 hr
Facet	nothing on label	Sharpen	1 hr
Gambit	4 hrs	Storm	8 hrs
Grasp	1 hr	Strada	6 hrs
League	6 hrs	Ultra Blazer	4 hrs
Loyant	2 hrs		