

2006 Corn Herbicide Evaluation - Waseca Tall Waterhemp Site

Herbicide	Rate	Giant foxtail	Tall waterhemp	H2O	Yield	Cost	Returns
<u>Preemergence</u>	(product/A)	(% control)	(%)	(bu/A)	(\$/A)		
1 Keystone LA + Hornet WDG	2.2 qt + 4oz	91	99	19.5	161	42.65	346
<u>Preemergence/POST III (V4 corn)</u>							
2 Surpass / Hornet + Callisto + atrazine + COC + AMS	2.75 pt / 3 oz + 0.75 oz + 8 oz + 1% + 3 qt	90	99	19.3	164	50.16	347
3 Outlook / Status + atrazine + NIS + AMS	21 oz / 5 oz + 16 oz + 0.25% + 2.5 lb	87	99	17.9	172	53.69	374
4 Define SC/ Liberty+atrazine+AMS	12 oz / 32 oz + 16 oz + 3.5 qt	67	99	19.3	165	47.69	352
5 Define SC/ Option+Distinct+MSO+28%	12 oz / 1.5 oz + 2 oz + 1.5 pt + 3 pt	62	76	19.9	145	49.90	297
6 Define SC/ Laudis+MSO+28%	12 oz / 3 oz + 1.5 pt + 3 pt	84	99	19.4	179		
7 Cinch/ Steadfast+Callisto+atrazine+COC+AMS	1 pt / 0.75 oz + 2 oz + 16 oz +1% + 3 qt	80	96	19.6	129	58.35	253
8 Dual II Magnum/ Callisto+atrazine+COC+28%N	1 pt / 3 oz + 16 oz + 1% + 2.5%	66	99	19.2	146	60.07	294
9 Outlook / Aim+atrazine+Clarity+NIS	21 oz / 0.5 oz + 16 oz + 3 oz + 0.25%	72	99	19.8	149	44.28	314
10 Harness / Roundup WeatherMax+AMS	1.25 pt / 22 oz + 3 qt	96	97	19.8	164	50.75	343
11 Lumax / Touchdown Total+AMS	3 pt / 24 oz + 3 qt	98	96	17.4	178	54.89	392
12 Lumax / Liberty+AMS	3 pt / 24 oz + 3 qt	63	99	19.4	142	45.72	299
13 Keystone LA/ GlyphomaxXRT+AMS	1.1 qt / 24 oz + 3 qt	97	98	20.4	149	48.95	304
14 Outlook / Roundup WeatherMax+Status+AMS	12 oz / 14 oz+2.5 oz +3 qt	98	99	19.9	173	46.95	370
15 Dual II Magnum / Touchdown Total + Callisto + AMS	1 pt / 24 oz + 3 oz + 3 qt	95	95	19.8	186	63.32	383
16 Resolve / Atrazine + Roundup OriginalMax + NIS + AMS	1 oz / 16 oz + 22 oz + 0.25% + 3qt	87	95	19.5	164	44.31	353
17 GF 1834 / Glyphomax XRT + AMS	1.75 pt / 24 oz + 3 qt	95	97	18.8	161		
<u>Checks</u>							
18 Weedy Check	-	0	0	19.0	14	0.00	36
19 Weed-Free Check	-	100	100	20.9	154	0.00	363
<u>POST I (V2 corn)</u>							
20 Stout + Lumax + NIS	0.5 oz + 2 pt + 0.25%	50	99	20.1	123	29.42	264
21 Lumax + Touchdown Total + AMS	3 pt + 24oz + 3 qt	71	82	20.1	148	47.89	306
22 Lumax + Liberty + AMS	3 pt + 20oz + 3 qt	65	99	18.4	134	38.72	293
<u>POST III (V4 corn)</u>							
23 Steadfast+Callisto+atrazine+COC+AMS	0.75 oz + 2 oz + 16 oz +1% + 3 qt	36	68	19.7	139	37.40	298
24 Resolve + atrazine + Roundup OriginalMax + NIS + AMS	1 oz + 16 oz + 22 oz + 0.25% + 3 qt	87	57	20.4	170	37.31	365
LSD (P=0.10)		15	16	1.7	30		76