

2006 Corn Herbicide Evaluation

Herbicide	Rate	Giant foxtail	Yellow foxtail	Common ragweed	Giant ragweed	Velvetleaf	Tall waterhemp	Common lambsquarters	H2O	Yield	Cost	Returns
Number of locations with weed species		5	1	2	2	1	3	3	6	6		6
<u>Preemergence</u>	(product/A)	(% control)							(%)	(bu/A)		(\$/A)
1 Keystone LA + Hornet WDG	2.2 qt + 4oz	96	85	99	72	99	98	99	18.4	164	42.65	364
Preemergence/POST III (V4 corn)												
2 Surpass / Hornet + Callisto + atrazine + COC + AMS	2.75 pt / 3 oz + 0.75 oz + 8 oz + 1% + 3 qt	95	88	94	98	97	98	99	18.5	186	50.16	409
3 Outlook / Status + atrazine + NIS + AMS	21 oz / 5 oz + 16 oz + 0.25% + 2.5 lb	94	83	99	93	99	97	98	18.2	183	53.69	400
4 Define SC/ Liberty+atrazine+AMS	12 oz / 32 oz + 16 oz + 3.5 qt	91	91	98	84	99	92	97	18.5	179	47.69	393
5 Define SC/ Option+Distinct+MSO+28%	12 oz / 1.5 oz + 2 oz + 1.5 pt + 3 pt	90	91	97	88	99	88	97	18.9	166	49.90	355
6 Define SC/ Laudis+MSO+28%	12 oz / 3 oz + 1.5 pt + 3 pt	95	93	98	91	99	96	97	18.6	187		
7 Cinch/ Steadfast+Callisto+atrazine+COC+AMS	1 pt / 0.75 oz + 2 oz + 16 oz +1% + 3 qt	94	94	99	91	99	96	99	18.7	180	58.35	384
8 Dual II Magnum/ Callisto+atrazine+COC+28%N	1 pt / 3 oz + 16 oz + 1% + 2.5%	89	84	94	94	99	99	99	18.2	177	60.07	377
9 Outlook / Aim+atrazine+Clarity+NIS	21 oz / 0.5 oz + 16 oz + 3 oz + 0.25%	90	83	98	73	99	98	99	18.3	160	44.28	353
10 Harness / Roundup WeatherMax+AMS	1.25 pt / 22 oz + 3 qt	98	93	97	89	99	97	96	18.5	181	50.75	395
11 Lumax / Touchdown Total+AMS	3 pt / 24 oz + 3 qt	98	95	99	95	99	97	99	18.2	188	54.89	410
12 Lumax / Liberty+AMS	3 pt / 24 oz + 3 qt	89	89	95	93	99	98	99	18.1	182	45.72	404
13 Keystone LA/ GlyphomaxXRT+AMS	1.1 qt / 24 oz + 3 qt	96	93	98	86	99	98	99	18.6	175	48.95	383
14 Outlook / Roundup WeatherMax+Status+AMS	12 oz / 14 oz+2.5 oz +3 qt	98	91	99	91	99	96	92	18.6	183	46.95	403
15 Dual II Magnum / Touchdown Total + Callisto + AMS	1 pt / 24 oz + 3 oz + 3 qt	97	93	99	94	99	96	99	18.7	190	63.32	403
16 Resolve / Atrazine + Roundup OriginalMax + NIS + AMS	1 oz / 16 oz + 22 oz + 0.25% + 3qt	94	90	97	92	99	93	98	18.7	181	44.31	400
17 GF 1834 / Glyphomax XRT + AMS	1.75 pt / 24 oz + 3 qt	98	94	99	92	99	98	99	18.4	179		
Checks												
18 Weedy Check	-	0	0	0	0	0	0	0	18.6	49	0.00	119
19 Weed-Free Check	-	100	100	100	100	100	100	100	18.6	187	0.00	460
POST I (V2 corn)												
20 Stout + Lumax + NIS	0.5 oz + 2 pt + 0.25%	77	89	97	68	99	97	99	18.6	157	29.42	357
21 Lumax + Touchdown Total + AMS	3 pt + 24oz + 3 qt	81	92	97	80	99	93	99	17.9	167	47.89	368
22 Lumax + Liberty + AMS	3 pt + 20oz + 3 qt	81	92	99	76	99	98	99	18.0	163	38.72	367
POST III (V4 corn)												
23 Steadfast+Callisto+atrazine+COC+AMS	0.75 oz + 2 oz + 16 oz +1% + 3 qt	82	84	99	91	99	82	98	18.4	175	37.40	395
24 Resolve + atrazine + Roundup OriginalMax + NIS + AMS	1 oz + 16 oz + 22 oz + 0.25% + 3 qt	94	84	95	91	96	78	96	18.9	179	37.31	400
LSD (P=0.10)		4	5	4	7	2	5	1	0.5	10		26