

## 2004 Corn Herbicide Evaluation (Rochester, Lamberton, and Waseca)

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Herbicide	Rate (product / A)	Giant foxtail	Yellow foxtail	Common ragweed	Common lambsquarters	Common cocklebur	Tall and common waterhemp	Redroot pigweed	Velvet- leaf	H2O	Yield	Cost	Returns
		5	1	2	4	1	2	1	1	6	6	6	6
		Number of locations											
<u>Preemergence Corn hybrid = Pioneer 38H68</u>													
1	Keystone LA + Hornet WDG 2.2 qt + 4oz	96	75	94	99	74	97	100	99	23.2	180	40.94	245
2	Lumax 6 pt	88	73	97	99	92	97	100	99	24.0	186	41.06	251
<u>Preemergence/POST II (V4 corn) Corn hybrid = Pioneer 38H68</u>													
3	Surpass / Hornet + Callisto + atrazine + COC + AMS 2.75 pt / 3 oz + 0.75 oz + 0.28 lb + 1% + 2.5 lb	97	86	97	99	99	97	100	99	24.2	187	50.68	242
4	Keystone LA / Hornet + Clarity + NIS + AMS 2.2 qt / 3 oz + 4 oz + 0.25% + 2.5 lb	95	79	99	99	99	95	100	99	23.6	193	46.80	258
5	Outlook / Distinct + atrazine + NIS + AMS 21 oz / 4 oz + 0.5 lb + 0.25% + 2.5 lb	96	89	99	99	96	97	99	99	23.9	185	47.02	245
6	Define/ Liberty + atrazine + AMS 12 oz / 32 oz + 0.5 lb + 3 lb	97	93	98	98	93	99	100	99	25.2	173	43.02	224
7	Define/ Option + Distinct + MSO + 28% 12 oz / 1.5 oz + 4 oz + 1.5 pt + 3 pt	96	83	99	99	96	99	100	99	24.3	171	53.84	213
8	Define SC/ Option + Callisto + MSO + 28% 12 oz / 1.5 oz + 1.5 oz + 1.5 pt + 3 pt	97	80	84	99	94	98	98	99	24.5	169	46.92	216
9	Cinch/ AccentGold + Callisto + atrazine + COC + AMS 0.75 pt / 3.5 oz + 1 oz + 0.5 lb + 1% + 2 lb	94	87	98	99	99	99	100	99	24.4	182	53.80	229
10	Cinch/ Steadfast + Callisto + atrazine + COC + AMS 0.75 pt / 0.75 oz + 2 oz + 0.5 lb + 1% + 2 lb	94	92	95	99	95	99	99	99	24.2	183	47.60	239
11	Dual II Magnum/ Callisto + Liberty + atrazine + 28%N 1 pt / 3 oz + 16 oz + 0.55 lb + 2 lb	98	94	99	99	99	97	100	99	24.0	188	46.08	249
12	Dual II Magnum/ Callisto + atrazine + COC + 28%N 2 pt / 3 oz + 0.55 lb + 1% + 2.5%	95	90	99	99	99	97	100	99	24.6	193	54.16	245
13	Outlook/ Aim + atrazine + Clarity + NIS 21 oz / 0.5 oz + 0.55 lb + 3 oz + 0.25%	93	83	99	99	98	96	99	99	24.3	183	41.21	245

**Table continued.** 2004 Corn Herbicide Evaluation (Rochester, Lamberton, and Waseca)

## 2004 Corn Herbicide Evaluation (Rochester)

Herbicide	Rate (product/A)	Giant foxtail	Common lambsquarters	Giant ragweed	Common waterhemp	H2O	Yield (bu/A)	Cost	Returns
		----- (% control) -----				(%)		---- (\$/A) ----	
<u>Preemergence Corn hybrid = Pioneer 38H68</u>									
1 Keystone LA + Hornet WDG	2.2 qt + 4oz	98	99	77	95	22.4	145	40.94	194
2 Lumax	6 pt	97	98	94	96	23.5	166	41.06	221
<u>Preemergence / POST II (V4 corn) Corn hybrid = Pioneer 38H68</u>									
3 Surpass / Hornet + Callisto + atrazine + COC + AMS	2.75 pt / 3 oz + 0.75 oz + 0.28 lb + 1% + 2.5 lb	92	97	98	95	24.8	167	50.68	207
4 Keystone LA / Hornet + Clarity + NIS + AMS	2.2 qt / 3 oz + 4 oz + 0.25% + 2.5 lb	92	98	95	91	23.4	188	46.80	250
5 Outlook / Distinct + atrazine + NIS + AMS	21 oz / 4 oz + 0.5 lb + 0.25% + 2.5 lb	91	98	96	95	25.4	158	47.02	193
6 Define / Liberty + atrazine + AMS	12 oz / 32 oz + 0.5 lb + 3 lb	90	98	98	99	25.6	152	43.02	188
7 Define / Option + Distinct + MSO + 28%	12 oz / 1.5 oz + 4 oz + 1.5 pt + 3 pt	91	97	96	99	28.0	153	53.84	169
8 Define SC / Option + Callisto + MSO + 28%	12 oz / 1.5 oz + 1.5 oz + 1.5 pt + 3 pt	94	98	80	98	27.7	149	46.92	171
9 Cinch / AccentGold + Callisto + atrazine + COC + AMS	0.75 pt / 3.5 oz + 1 oz + 0.5 lb + 1% + 2 lb	96	99	99	99	26.3	181	53.80	219
10 Cinch / Steadfast + Callisto + atrazine + COC + AMS	0.75 pt / 0.75 oz + 2 oz + 0.5 lb + 1% + 2 lb	94	99	93	98	26.3	163	47.60	197
11 Dual II Magnum / Callisto + Liberty + atrazine + 28%N	1 pt / 3 oz + 16 oz + 0.55 lb + 2 lb	93	99	99	95	25.9	156	46.08	190
12 Dual II Magnum / Callisto + atrazine + COC + 28%N	2 pt / 3 oz + 0.55 lb + 1% + 2.5%	93	99	99	94	25.8	173	54.16	209
13 Outlook / Aim + atrazine + Clarity + NIS	21 oz / 0.5 oz + 0.55 lb + 3 oz + 0.25%	84	99	85	93	25.6	157	41.21	198

**Table Continued.** 2004 Corn Herbicide Evaluation (Rochester)

Herbicide	Rate (product/A)	Giant foxtail	Common lambsquarters	Giant ragweed	Common waterhemp	H2O	Yield (bu/A)	Cost	Returns (\$/A)
<b><u>POST II (V4 corn) Corn hybrid = Pioneer 38H68</u></b>									
14 Steadfast + Callisto + COC + AMS	0.75 oz + 2 oz + 1% + 2 lb	95	99	67	98	27.9	104	30.63	121
15 Accent Gold WDG + Clarity + atrazine + COC + AMS	3.5 oz + 4 oz + 0.5 oz + 1% + 2 lb	84	99	99	96	26.5	164	36.91	209
16 Steadfast + Lumax + NIS + AMS	0.75 oz + 1.5 pt + 0.25% + 2 lb	98	99	68	99	28.5	97	31.22	109
<b><u>Checks Corn hybrid = Pioneer 38H68</u></b>									
17 Weedy Check		0	0	0	0	25.8	5	0.00	7
18 Weed-Free Check		100	100	100	100	25.1	178	0.00	273
<b><u>Preemergence / POST II (V4 corn) Corn hybrid = Pioneer 38H66</u></b>									
19 Harness/ Roundup WeatherMax+AMS	1.25 pt / 22 oz + 2.5 lb	83	92	91	90	23.2	205	43.39	283
20 Dual II Magnum/ Touchdown Total+AMS	1 pt / 24 oz + 2.5 lb	84	92	90	89	22.7	229	44.74	322
21 Keystone LA / GF 1279 + AMS	2.2 pt / 24 oz + 2.5 lb	85	89	89	89	22.3	241	-	-
22 Outlook/ Distinct + RoundupWeatherMax + NIS + AMS	12 oz / 3 oz + 11 oz + 0.25% + 2.5 lb	89	92	93	91	22.1	208	48.09	290
23 Cinch / RoundupWeatherMax + rimsulfuron + AMS	0.75 pt / 22 oz + 1 oz + 2.5 lb	87	91	95	95	23.7	224	-	-
<b><u>POST I (V3 corn) / POST III (4-inch Regrowth) Corn hybrid = Pioneer 38H66</u></b>									
24 Roundup WeatherMax+AMS/ Roundup WeatherMax+AMS	22 oz + 2.5 lb/22 oz + 2.5 lb	99	99	99	99	23.1	210	41.98	291
25 Roundup WeatherMax + Aim + AMS/ Roundup WeatherMax + AMS	22 oz + 0.5 oz + 2.5 lb/ 22 oz + 2.5 lb	-	-	-	-	-	-	-	-
<b><u>Checks Corn hybrid = Pioneer 38H66</u></b>									
26 Hand-Weeded	-	100	100	100	100	23.0	224	0.00	358
	<b>LSD (0.10)</b>	4	3	4	4	1.4	24		38

Corn Price = \$1.83  
(Waseca Co. 2004 Loan Rate)

## 2004 Corn Herbicide Evaluation (Lamberton)

Herbicide	Rate (product/A)	Yellow foxtail	Common lambsquarters	Redroot pigweed	H2O	Yield	Cost	Returns
		-----	(% control)	-----	(%)	(bu/A)	---	(\$/A)
<u>Preemergence Corn hybrid = Pioneer 38H68</u>								
1 Keystone LA + Hornet WDG	2.2 qt + 4oz	75	99	100	20.9	189	40.94	272
2 Lumax	6 pt	73	100	100	21.2	196	41.06	282
<u>Preemergence/POST II (V4 corn) Corn hybrid = Pioneer 38H68</u>								
3 Surpass / Hornet + Callisto + atrazine + COC + AMS	2.75 pt / 3 oz + 0.75 oz + 0.28 lb + 1% + 2.5 lb	86	100	100	21.7	193	50.68	264
4 Keystone LA / Hornet + Clarity + NIS + AMS	2.2 qt / 3 oz + 4 oz + 0.25% + 2.5 lb	79	100	100	20.4	183	46.80	259
5 Outlook / Distinct + atrazine + NIS + AMS	21 oz / 4 oz + 0.5 lb + 0.25% + 2.5 lb	89	100	99	20.3	195	47.02	279
6 Define/ Liberty+atrazine+AMS	12 oz / 32 oz + 0.5 lb + 3 lb	93	100	100	21.4	198	43.02	282
7 Define/ Option+Distinct+MSO+28%	12 oz / 1.5 oz + 4 oz + 1.5 pt + 3 pt	83	100	100	21.0	197	53.84	272
8 Define SC/ Option+Callisto+MSO+28%	12 oz / 1.5 oz + 1.5 oz + 1.5 pt + 3 pt	80	100	98	22.2	192	46.92	264
9 Cinch/ AccentGold+Callisto+atrazine+COC+AMS	0.75 pt / 3.5 oz + 1 oz + 0.5 lb + 1% + 2 lb	87	100	100	21.0	184	53.80	251
10 Cinch/ Steadfast+Callisto+atrazine+COC+AMS	0.75 pt / 0.75 oz + 2 oz + 0.5 lb + 1% + 2 lb	92	100	99	21.5	202	47.60	283
11 Dual II Magnum/ Callisto+Liberty+atrazine+28%N	1 pt / 3 oz + 16 oz + 0.55 lb + 2 lb	94	100	100	20.9	190	46.08	269
12 Dual II Magnum/ Callisto+atrazine+COC+28%N	2 pt / 3 oz + 0.55 lb + 1% + 2.5%	90	100	100	21.4	189	54.16	256
13 Outlook/ Aim+atrazine+Clarity+NIS	21 oz / 0.5 oz + 0.55 lb + 3 oz + 0.25%	83	100	99	21.8	189	41.21	268
<u>POST II (V4 corn) Corn hybrid = Pioneer 38H68</u>								
14 Steadfast+Callisto+COC+AMS	0.75 oz + 2 oz + 1% + 2 lb	75	100	100	20.4	184	30.63	276
15 Accent Gold WDG+Clarity+atrazine+COC+AMS	3.5 oz + 4 oz + 0.5 oz + 1% + 2 lb	70	96	90	20.9	180	36.91	261
16 Steadfast+Lumax+NIS+AMS	0.75 oz + 1.5 pt + 0.25% + 2 lb	74	100	100	20.9	195	31.22	292
<u>Checks Corn hybrid = Pioneer 38H68</u>								
17 Weedy Check		0	0	0	20.9	89	0.00	148
18 Weed-Free Check		100	100	100	21.1	197	0.00	326

**Table Continued.** 2004 Corn Herbicide Evaluation (Lamberton)

Herbicide	Rate (product/A)	Yellow foxtail	Common lambsquarters	Redroot pigweed			H2O	Yield (bu/A)	Cost (\$/A)	Returns
		-----	(% control)	-----	(%)	-----	-----	-----	-----	-----
<u>Preemergence/POST II (V4 corn) Corn hybrid = Pioneer 38H66</u>										
19 Harness/ Roundup WeatherMax+AMS	1.25 pt / 22 oz + 2.5 lb	89	96	96	19.1	197	43.39	293		
20 Dual II Magnum/ Touchdown Total+AMS	1 pt / 24 oz + 2.5 lb	94	100	99	19.1	207	44.74	308		
21 Keystone LA / GF 1279 + AMS	2.2 pt / 24 oz + 2.5 lb	90	99	99	19.1	198	-			
22 Outlook/ Distinct + RoundupWeatherMax + NIS + AMS	12 oz / 3 oz + 11 oz + 0.25% + 2.5 lb	92	98	100	18.0	192	48.09	285		
23 Cinch / RoundupWeatherMax + rimsulfuron + AMS	0.75 pt / 22 oz + 1 oz + 2.5 lb	92	100	100	18.7	195	-			
<u>POST I (V3 corn) / POST III (4-inch Regrowth) Corn hybrid = Pioneer 38H66</u>										
24 Roundup WeatherMax+AMS/ Roundup WeatherMax+AMS	22 oz + 2.5 lb/22 oz + 2.5 lb	97	100	99	18.9	205	41.98	308		
25 Roundup WeatherMax + Aim + AMS/ Roundup WeatherMax + AMS	22 oz + 0.5 oz + 2.5 lb/22 oz + 2.5 lb	97	100	99	19.3	201	44.62	297		
<u>Checks Corn hybrid = Pioneer 38H66</u>										
26 Hand-Weeded	-	100	100	100	18.9	200	0.00	343		
		LSD (0.10)	4	1	2	1.4	12		24	

Corn Price = \$1.83  
(Waseca Co. 2004 Loan Rate)

## 2004 Corn Herbicide Evaluation (Waseca)

### Tall Waterhemp Site

Herbicide	Rate (product/A)	Giant	Tall		Yield (bu/A)	Cost	Returns ---- (\$/A) -----
		foxtail ---	(% control) ---	H2O (%))			
<u>Preemergence Corn hybrid = Pioneer 38H68</u>							
1 Keystone LA + Hornet WDG	2.2 qt + 4oz	93	99	22.7	202	40.94	283.23
2 Lumax	6 pt	73	99	22.5	186	41.06	258.68
<u>Preemergence/POST II (V4 corn) Corn hybrid = Pioneer 38H68</u>							
3 Surpass / Hornet + Callisto + atrazine + COC + AMS	2.75 pt / 3 oz + 0.75 oz + 0.28 lb + 1% + 2.5 lb	98	99	22.7	199	50.68	268.57
4 Keystone LA / Hornet + Clarity + NIS + AMS	2.2 qt / 3 oz + 4 oz + 0.25% + 2.5 lb	96	99	22.6	184	46.80	248.99
5 Outlook / Distinct + atrazine + NIS + AMS	21 oz / 4 oz + 0.5 lb + 0.25% + 2.5 lb	97	99	22.3	193	47.02	264.8
6 Define/ Liberty+atrazine+AMS	12 oz / 32 oz + 0.5 lb + 3 lb	99	99	23.0	190	43.02	260.9
7 Define/ Option+Distinct+MSO+28%	12 oz / 1.5 oz + 4 oz + 1.5 pt + 3 pt	96	99	22.3	183	53.84	241.57
8 Define SC/ Option+Callisto+MSO+28%	12 oz / 1.5 oz + 1.5 oz + 1.5 pt + 3 pt	97	98	21.9	187	46.92	256.94
9 Cinch/ AccentGold+Callisto+atrazine+COC+AMS	0.75 pt / 3.5 oz + 1 oz + 0.5 lb + 1% + 2 lb	84	99	22.5	185	53.80	243.98
10 Cinch/ Steadfast+Callisto+atrazine+COC+AMS	0.75 pt / 0.75 oz + 2 oz + 0.5 lb + 1% + 2 lb	84	99	22.1	177	47.60	238.56
11 Dual II Magnum/ Callisto+Liberty+atrazine+28%N	1 pt / 3 oz + 16 oz + 0.55 lb + 2 lb	99	99	22.2	200	46.08	277.41
12 Dual II Magnum/ Callisto+atrazine+COC+28%N	2 pt / 3 oz + 0.55 lb + 1% + 2.5%	93	99	23.2	204	54.16	270.84
13 Outlook/ Aim+atrazine+Clarity+NIS	21 oz / 0.5 oz + 0.55 lb + 3 oz + 0.25%	95	99	22.8	180	41.21	247.54
<u>POST II (V4 corn) Corn hybrid = Pioneer 38H68</u>							
14 Steadfast+Callisto+COC+AMS	0.75 oz + 2 oz + 1% + 2 lb	63	99	21.7	156	30.63	224.87
15 Accent Gold WDG+Clarity+atrazine+COC+AMS	3.5 oz + 4 oz + 0.5 oz + 1% + 2 lb	56	99	21.6	180	36.91	257.7
16 Steadfast+Lumax+NIS+AMS	0.75 oz + 1.5 pt + 0.25% + 2 lb	59	99	21.0	141	31.22	201.7
<u>Checks Corn hybrid = Pioneer 38H68</u>							
17 Weedy Check		0	0	17.9	140	0.00	243.53
18 Weed-Free Check		100	100	22.5	206	0.00	332.43

**Table continued.** 2004 Corn Herbicide Evaluation (Waseca) Tall Waterhemp Site

Herbicide	Rate (product/A)	Giant foxtail	Tall waterhemp	H2O	Yield (bu/A)	Cost (\$/A)	Returns (\$/A)
		(% control)	(%)				
<u>Preemergence/POST II (V4 corn) Corn hybrid = Pioneer 38H66</u>							
19 Harness/ Roundup WeatherMax+AMS	1.25 pt / 22 oz + 2.5 lb	99	96	18.4	190	43.39	284.87
20 Dual II Magnum/ Touchdown Total+AMS	1 pt / 24 oz + 2.5 lb	99	99	22.3	191	44.74	263.75
21 Keystone LA / GF 1279 + AMS	2.2 pt / 24 oz + 2.5 lb	97	96	22.0	184	-	
22 Outlook/ Distinct + Roundup WeatherMax + NIS + AMS	12 oz / 3 oz + 11 oz + 0.25% + 2.5 lb	99	99	21.8	212	48.09	296.58
23 Cinch / Roundup WeatherMax + rimsulfuron + AMS	0.75 pt / 22 oz + 1 oz + 2.5 lb	99	99	22.0	191	-	
<u>POST I (V3 corn) / POST III (4-inch Regrowth) Corn hybrid = Pioneer 38H66</u>							
24 Roundup WeatherMax+AMS/ Roundup WeatherMax+AMS	22 oz + 2.5 lb/22 oz + 2.5 lb	99	99	21.3	202	41.98	290.75
25 Roundup WeatherMax + Aim + AMS/ Roundup WeatherMax + AMS	22 oz + 0.5 oz + 2.5 lb/22 oz + 2.5 lb	99	99	21.3	190	44.62	267.75
<u>Checks Corn hybrid = Pioneer 38H66</u>							
26 Hand-Weeded	-	100	100	21.8	197	0.00	320.13
	LSD (0.10)	9	2	2.7	17		31

Corn Price = \$1. 83  
(Waseca Co. 2004 Loan Rate)

## 2004 Corn Herbicide Evaluation (Waseca)

### Common Cocklebur Site

Herbicide	Rate (product/A)	Giant	Common	Common	Common	H2O (%)	Yield (bu/A)	Cost (\$/A)	Returns
		foxtail	cocklebur	ragweed	lambsquarters				
<u>Preemergence Corn hybrid = Pioneer 38H68</u>									
1 Keystone LA + Hornet WDG	2.2 qt + 4oz	98	74	90	99	26.4	179	40.94	228
2 Lumax	6 pt	98	92	96	99	26.6	182	41.06	231
<u>Preemergence/POST II (V4 corn) Corn hybrid = Pioneer 38H68</u>									
3 Surpass / Hornet + Callisto + atrazine + COC + AMS	2.75 pt / 3 oz + 0.75 oz + 0.28 lb + 1% + 2.5 lb	99	99	96	99	26.8	181	50.68	220
4 Keystone LA / Hornet + Clarity + NIS + AMS	2.2 qt / 3 oz + 4 oz + 0.25% + 2.5 lb	97	99	99	99	26.8	186	46.80	230
5 Outlook / Distinct + atrazine + NIS + AMS	21 oz / 4 oz + 0.5 lb + 0.25% + 2.5 lb	99	96	99	99	26.5	188	47.02	236
6 Define/ Liberty+atrazine+AMS	12 oz / 32 oz + 0.5 lb + 3 lb	98	93	99	99	28.3	185	43.02	224
7 Define/ Option+Distinct+MSO+28%	12 oz / 1.5 oz + 4 oz + 1.5 pt + 3 pt	99	96	99	99	27.3	159	53.84	181
8 Define SC/ Option+Callisto+MSO+28%	12 oz / 1.5 oz + 1.5 oz + 1.5 pt + 3 pt	99	94	74	99	27.5	178	46.92	215
9 Cinch/ AccentGold+Callisto+atrazine+COC+AMS	0.75 pt / 3.5 oz + 1 oz + 0.5 lb + 1% + 2 lb	99	99	99	99	27.1	180	53.80	212
10 Cinch/ Steadfast+Callisto+atrazine+COC+AMS	0.75 pt / 0.75 oz + 2 oz + 0.5 lb + 1% + 2 lb	99	95	99	99	27.6	185	47.60	224
11 Dual II Magnum/ Callisto+Liberty+atrazine+28%N	1 pt / 3 oz + 16 oz + 0.55 lb + 2 lb	99	99	99	99	26.7	190	46.08	238
12 Dual II Magnum/ Callisto+atrazine+COC+28%N	2 pt / 3 oz + 0.55 lb + 1% + 2.5%	99	99	99	99	28.0	186	54.16	217
13 Outlook/ Aim+atrazine+Clarity+NIS	21 oz / 0.5 oz + 0.55 lb + 3 oz + 0.25%	99	98	99	99	26.9	184	41.21	233

**Table continued.** 2004 Corn Herbicide Evaluation (Waseca) Common Cocklebur Site

Herbicide	Rate (product/A)	Giant	Common	Common	Common	H2O (%)	Yield (bu/A)	Cost (\$/A)	Returns
		foxtail	cocklebur	ragweed	lambsquarters				
<u>POST II (V4 corn) Corn hybrid = Pioneer 38H68</u>									
14 Steadfast+Callisto+COC+AMS	0.75 oz + 2 oz + 1% + 2 lb	97	95	78	99	27.4	180	30.63	234
15 Accent Gold WDG+Clarity+atrazine+COC+AMS	3.5 oz + 4 oz + 0.5 oz + 1% + 2 lb	86	99	98	99	26.6	175	36.91	225
16 Steadfast+Lumax+NIS+AMS	0.75 oz + 1.5 pt + 0.25% + 2 lb	98	95	84	99	26.8	179	31.22	235
<u>Checks Corn hybrid = Pioneer 38H68</u>									
17 Weedy Check		0	0	0	0	26.4	27	0.00	40
18 Weed-Free Check		100	100	100	100	26.7	190	0.00	284
<u>Preemergence/POST II (V4 corn) Corn hybrid = Pioneer 38H66</u>									
19 Harness/ Roundup WeatherMax+AMS	1.25 pt / 22 oz + 2.5 lb	97	93	97	99	25.0	199	43.39	263
20 Dual II Magnum/ Touchdown Total+AMS	1 pt / 24 oz + 2.5 lb	99	94	93	98	25.2	197	44.74	257
21 Keystone LA / GF 1279 + AMS	2.2 pt / 24 oz + 2.5 lb	94	95	94	96	25.0	203	-	-
22 Outlook/ Distinct + RoundupWeatherMax + NIS + AMS	12 oz / 3 oz + 11 oz + 0.25% + 2.5 lb	97	99	99	99	25.1	191	48.09	246
23 Cinch / RoundupWeatherMax + rimsulfuron + AMS	0.75 pt / 22 oz + 1 oz + 2.5 lb	99	99	99	99	25.1	187	-	-
<u>POST I (V3 corn) / POST III (4-inch Regrowth) Corn hybrid = Pioneer 38H66</u>									
24 Roundup WeatherMax+AMS/ Roundup WeatherMax+AMS	22 oz + 2.5 lb/22 oz + 2.5 lb	98	99	99	99	25.0	209	41.98	279
25 Roundup WeatherMax + Aim + AMS/ Roundup WeatherMax + AMS	22 oz + 0.5 oz + 2.5 lb/ 22 oz + 2.5 lb	99	99	99	77	24.5	207	44.62	278
<u>Checks Corn hybrid = Pioneer 38H66</u>									
26 Hand-Weeded	-	100	100	100	100	24.8	194	0.00	300
LSD (0.10)									
3									
6									
7									
11									
1.1									
16									
27									

Corn Price = \$1. 83  
(Waseca Co. 2004 Loan Rate)

## 2004 Corn Herbicide Evaluation (Waseca)

### Giant Ragweed Site

Herbicide	Rate (product/A)	Giant foxtail ----	Giant ragweed ---- (% control) ----	H2O (%)	Yield (bu/A)	Cost ----- (\$/A) -----	Returns
<u>Preemergence Corn hybrid = Pioneer 38H68</u>							
1 Keystone LA + Hornet WDG	2.2 qt + 4oz	95	70	21.3	175	40.94	247
2 Lumax	6 pt	85	85	23.3	199	41.06	276
<u>Preemergence/POST II (V4 corn) Corn hybrid = Pioneer 38H68</u>							
3 Surpass / Hornet + Callisto + atrazine + COC + AMS	2.75 pt / 3 oz + 0.75 oz + 0.28 lb + 1% + 2.5 lb	98	99	22.5	203	50.68	276
4 Keystone LA / Hornet + Clarity + NIS + AMS	2.2 qt / 3 oz + 4 oz + 0.25% + 2.5 lb	96	97	22.6	217	46.80	301
5 Outlook / Distinct + atrazine + NIS + AMS	21 oz / 4 oz + 0.5 lb + 0.25% + 2.5 lb	97	97	23.0	193	47.02	263
6 Define/ Liberty+atrazine+AMS	12 oz / 32 oz + 0.5 lb + 3 lb	99	60	27.2	112	43.02	128
7 Define/ Option+Distinct+MSO+28%	12 oz / 1.5 oz + 4 oz + 1.5 pt + 3 pt	98	94	21.1	143	53.84	182
8 Define SC/ Option+Callisto+MSO+28%	12 oz / 1.5 oz + 1.5 oz + 1.5 pt + 3 pt	99	29	22.9	105	46.92	124
9 Cinch/ AccentGold+Callisto+atrazine+COC+AMS	0.75 pt / 3.5 oz + 1 oz + 0.5 lb + 1% + 2 lb	96	94	24.3	179	53.80	226
10 Cinch/ Steadfast+Callisto+atrazine+COC+AMS	0.75 pt / 0.75 oz + 2 oz + 0.5 lb + 1% + 2 lb	97	96	21.7	189	47.60	261
11 Dual II Magnum/ Callisto+Liberty+atrazine+28%N	1 pt / 3 oz + 16 oz + 0.55 lb + 2 lb	99	96	23.0	194	46.08	267
12 Dual II Magnum/ Callisto+atrazine+COC+28%N	2 pt / 3 oz + 0.55 lb + 1% + 2.5%	93	94	22.9	203	54.16	271
13 Outlook/ Aim+atrazine+Clarity+NIS	21 oz / 0.5 oz + 0.55 lb + 3 oz + 0.25%	93	87	23.2	188	41.21	259

**Table continued. 2004 Corn Herbicide Evaluation (Waseca) Giant Ragweed Site**

Herbicide	Rate (product/A)	Giant foxtail ----- (%)	Giant ragweed ----- (%)	H2O	Yield (bu/A)	Cost	Returns -----(\$/A)-----
<u>POST II (V4 corn) Corn hybrid = Pioneer 38H68</u>							
14 Steadfast+Callisto+COC+AMS	0.75 oz + 2 oz + 1% + 2 lb	99	44	23.5	120	30.63	159
15 Accent Gold WDG+Clarity+atrazine+COC+AMS	3.5 oz + 4 oz + 0.5 oz + 1% + 2 lb	95	79	26.1	161	36.91	209
16 Steadfast+Lumax+NIS+AMS	0.75 oz + 1.5 pt + 0.25% + 2 lb	98	36	24.0	104	31.22	132
<u>Checks Corn hybrid = Pioneer 38H68</u>							
17 Weedy Check		0	0	26.5	3	0.00	5
18 Weed-Free Check		100	100	23.3	192	0.00	306
<u>Preemergence/POST II (V4 corn) Corn hybrid = Pioneer 38H66</u>							
19 Harness/ Roundup WeatherMax+AMS	1.25 pt / 22 oz + 2.5 lb	99	91	23.4	183	43.39	247
20 Dual II Magnum/ Touchdown Total+AMS	1 pt / 24 oz + 2.5 lb	99	87	24.7	173	44.74	223
21 Keystone LA / GF 1279 + AMS	2.2 pt / 24 oz + 2.5 lb	99	90	23.2	186	-	
22 Outlook/ Distinct + RoundupWeatherMax + NIS + AMS	12 oz / 3 oz + 11 oz + 0.25% + 2.5 lb	99	95	24.0	184	48.09	241
<sup>23</sup> Cinch / RoundupWeatherMax + rimsulfuron + AMS	0.75 pt / 22 oz + 1 oz + 2.5 lb	99	87	24.0	186	-	
<u>POST I (V3 corn) / POST III (4-inch Regrowth) Corn hybrid = Pioneer 38H66</u>							
24 Roundup WeatherMax+AMS/ Roundup WeatherMax+AMS	22 oz + 2.5 lb/22 oz + 2.5 lb	99	96	24.4	214	41.98	291
25 Roundup WeatherMax + Aim + AMS/ Roundup WeatherMax + AMS	22 oz + 0.5 oz + 2.5 lb/22 oz + 2.5 lb	99	99	23.4	204	44.62	279
<u>Checks Corn hybrid = Pioneer 38H66</u>							
26 Hand-Weeded	-	100	100	23.9	213	0.00	335
		<b>LSD (0.10)</b>	4	18	2.3	39	69

Corn Price = \$1. 83  
(Waseca Co. 2004 Loan Rate)

## 2004 Corn Herbicide Evaluation (Waseca)

### Common Ragweed Site

Herbicide	Rate (product/A)	Giant	Common	Common	H2O (%)	Yield (bu/A)	Cost (\$/A)	Returns
		foxtail	ragweed	lambsquarters.				
<u>Preemergence Corn hybrid = Pioneer 38H68</u>								
1 Keystone LA + Hornet WDG	2.2 qt + 4oz	97	99	99	99	25.7	188	40.94
2 Lumax	6 pt	87	99	99	99	26.7	185	41.06
<u>Preemergence/POST II (V4 corn) Corn hybrid = Pioneer 38H68</u>								
3 Surpass / Hornet + Callisto + atrazine + COC + AMS	2.75 pt / 3 oz + 0.75 oz + 0.28 lb + 1% + 2.5 lb	99	99	99	99	27.0	181	50.68
4 Keystone LA / Hornet + Clarity + NIS + AMS	2.2 qt / 3 oz + 4 oz + 0.25% + 2.5 lb	95	99	99	99	25.8	201	46.80
5 Outlook / Distinct + atrazine + NIS + AMS	21 oz / 4 oz + 0.5 lb + 0.25% + 2.5 lb	98	99	99	99	25.8	184	47.02
6 Define/ Liberty+atrazine+AMS	12 oz / 32 oz + 0.5 lb + 3 lb	98	97	97	99	25.5	200	43.02
7 Define/ Option+Distinct+MSO+28%	12 oz / 1.5 oz + 4 oz + 1.5 pt + 3 pt	98	99	99	99	26.0	189	53.84
8 Define SC/ Option+Callisto+MSO+28%	12 oz / 1.5 oz + 1.5 oz + 1.5 pt + 3 pt	96	95	99	99	24.8	202	46.92
9 Cinch/ AccentGold+Callisto+atrazine+COC+AMS	0.75 pt / 3.5 oz + 1 oz + 0.5 lb + 1% + 2 lb	96	97	99	99	25.3	180	53.80
10 Cinch/ Steadfast+Callisto+atrazine+COC+AMS	0.75 pt / 0.75 oz + 2 oz + 0.5 lb + 1% + 2 lb	97	91	99	99	25.9	181	47.60
11 Dual II Magnum/ Callisto+Liberty+atrazine+28%N	1 pt / 3 oz + 16 oz + 0.55 lb + 2 lb	97	99	99	99	25.2	196	46.08
12 Dual II Magnum/ Callisto+atrazine+COC+28%N	2 pt / 3 oz + 0.55 lb + 1% + 2.5%	96	99	99	99	26.3	199	54.16
13 Outlook/ Aim+atrazine+Clarity+NIS	21 oz / 0.5 oz + 0.55 lb + 3 oz + 0.25%	93	99	99	99	25.6	200	41.21

**Table continued.** 2004 Corn Herbicide Evaluation (Waseca) Common Ragweed Site

Herbicide	Rate (product/A)	Giant	Common	Common	H2O (%)	Yield (bu/A)	Cost (\$/A)	Returns (\$/A)
		foxtail	ragweed	lambsquarters.				
<u>POST II (V4 corn) Corn hybrid = Pioneer 38H68</u>								
14 Steadfast+Callisto+COC+AMS	0.75 oz + 2 oz + 1% + 2 lb	94	50	99	99	26.4	181	30.63
15 Accent Gold WDG+Clarity+atrazine+COC+AMS	3.5 oz + 4 oz + 0.5 oz + 1% + 2 lb	88	99	99	99	24.7	198	36.91
16 Steadfast+Lumax+NIS+AMS	0.75 oz + 1.5 pt + 0.25% + 2 lb	97	63	99	99	26.0	191	31.22
<u>Checks Corn hybrid = Pioneer 38H68</u>								
17 Weedy Check		0	0	0	0	26.2	85	0.00
18 Weed-Free Check		100	100	100	100	26.0	189	0.00
<u>Preemergence/POST II (V4 corn) Corn hybrid = Pioneer 38H66</u>								
19 Harness/ Roundup WeatherMax+AMS	1.25 pt / 22 oz + 2.5 lb	99	99	99	99	23.7	223	43.39
20 Dual II Magnum/ Touchdown Total+AMS	1 pt / 24 oz + 2.5 lb	99	99	99	99	24.1	225	44.74
21 Keystone LA / GF 1279 + AMS	2.2 pt / 24 oz + 2.5 lb	99	99	99	99	23.8	228	-
22 Outlook/ Distinct + RoundupWeatherMax + NIS + AMS	12 oz / 3 oz + 11 oz + 0.25% + 2.5 lb	99	99	99	99	24.3	221	48.09
23 Cinch / RoundupWeatherMax + rimsulfuron + AMS	0.75 pt / 22 oz + 1 oz + 2.5 lb	99	99	99	99	23.2	211	-
<u>POST I (V3 corn) / POST III (4-inch Regrowth) Corn hybrid = Pioneer 38H66</u>								
24 Roundup WeatherMax+AMS/Roundup WeatherMax+AMS	22 oz + 2.5 lb/22 oz + 2.5 lb	99	99	99	99	24.6	202	41.98
25 Roundup WeatherMax + Aim + AMS/ Roundup WeatherMax + AMS	22 oz + 0.5 oz + 2.5 lb/ 22 oz + 2.5 lb	99	99	99	99	24.6	206	44.62
<u>Checks Corn hybrid = Pioneer 38H66</u>								
26 Hand-Weeded	-	100	100	100	100	23.4	211	0.00
	<b>LSD (0.10)</b>	4	7	1	1	1.1	24	40

Corn Price = \$1. 83  
(Waseca Co. 2004 Loan Rate)