

2009 Corn Herbicide Evaluation - Waseca

Tall waterhemp Site

Herbicide	Rate	Giant foxtail	Tall waterhemp	Velvetleaf	H2O	Yield (bu/A)	Cost (\$/A)	Returns (\$/A)
<u>Preemergence/POST III (V4 corn)</u>	(product/A)		(% control)		(%)			
Harness / Laudis + atrazine + COC + 28%	1.75 pt / 3 oz + 16 oz + 1% + 1.5 qt	90	94	95	32.7	162	59.25	345
<u>Preemergence/POST I (V2 - V 3 corn)</u>								
Dual II Magnum / Halex GT + NIS + AMS	1 pt / 3.6 pt + 0.25% + 3 qt	88	75	78	31.0	180	63.56	396
<u>Preemergence/POST III (V4 corn)</u>								
Harness / Laudis + Buctril + COC + 28%	1.75 pt / 3 oz + 6 oz + 1% + 1.5 qt	81	94	95	32.1	154	60.41	326
Harness / Ignite + AMS	1.75 pt / 22 oz + 2 qt	95	94	84	31.6	173	50.28	386
Harness / Capreno + COC + 28%	1.75 pt / 3 oz + 1% + 1.5 qt	84	93	90	32.6	171	58.83	367
Breakfree / Rims + meso + Isox-e + atrazine + COC + AMS	pt / 1.2oz + 2.5oz + 0.3oz + 16oz + 1% + 3qt	64	88	95	30.8	157		
Breakfree / Resolve Q + Roundup Original Max + AMS	1 pt / 1.25 oz + 16 oz + 22 oz + 3 qt	95	93	90	31.4	169	53.80	377
Harness / Roundup WeatherMax + AMS	1.25 pt / 22 oz + 3 qt	96	96	94	32.2	173	50.99	381
Lumax / Touchdown Total + AMS	3 pt / 24 oz + 3 qt	96	96	95	30.0	181	57.41	414
Camix / Touchdown Total + AMS	2.5 pt / 24 oz + 3 qt	95	95	91	30.8	175	55.67	393
SureStart / Durango + AMS	1.75 pt / 24 oz + 3 qt	95	96	95	31.1	182	48.59	414
SureStart / Durango + AMS	2.5 pt / 24 oz + 3 qt	96	96	95	29.9	188	55.88	435
SureStart + atrazine / Durango + AMS	1.75 pt + 1.5 pt / 24 oz + 3 qt	95	96	95	29.8	176	52.04	407
Integrity / Roundup WeatherMax + Status + NIS + AMS	17 oz / 22 oz + 2.5 oz + 0.25% + 3 qt	94	96	96	31.3	178	66.29	387
Harness / Impact + atrazine + MSO + 28%	1.75 pt / 0.75 oz + 16 oz + 1% + 2.5%	96	93	88	31.8	174	62.55	376
Harness / Impact + atrazine + Roundup WeatherMax + AMS	1.25 pt / 0.5 oz + 16 oz + 22 oz + 3 qt	96	96	95	31.6	186	63.05	409
<u>POST I (1" Weeds) / POST IV (4" weeds)</u>								
Roundup WeatherMax + AMS / Roundup WeatherMax + AMS	22 oz + 3 qt / 22 oz + 3 qt	97	97	95	31.2	180	47.58	412
<u>POST I (V2 corn)</u>								
SureStart + Durango + AMS	1.75 pt + 24 oz + 3 qt	89	59	38	31.0	168	41.59	388
Halex GT + atrazine + NIS + AMS	3.6 pt + 16 oz + 0.25% + 3 qt	83	81	66	31.3	180	43.93	415
<u>POST II (V3 corn)</u>								
Rims + meso + Isox-e + Roundup Original Max + AMS	1.2oz + 2.5oz + 0.3oz + 22oz + 3qt	70	66	76	31.4	168		
Steadfast Q + Callisto + atrazine + COC + AMS	1 oz + 2 oz + 16 oz + 1% + 3 qt	39	59	43	31.8	138	33.94	318
Resolve Q + atrazine + Roundup Original Max + AMS	1.25 oz + 16 oz + 22 oz + 3 qt	55	68	30	30.5	156	39.41	362
<u>Checks</u>								
Weedy Check	-	0	0	0	33.3	15	0.00	36
Weed-Free Check	-	100	100	100	31.3	188	0.00	477
	LSD (0.10)	9	13	15	ns	26		75

Corn Hybrid: Pioneer Brand 37Y14

Planting date: May 18

Pre application: May 19

1" weeds applied 2-Jun

V2 applied: 11-Jun

V3 applied: 11-Jun

V4 applied: 18-Jun