

2001 Corn Herbicide Evaluation
 Combined across Locations

Herbicide	Rate	Weed Species *											Twt	H ₂ O	Yield	Cost	Returns
		Gift	Yeft	Wipm	Corw	Vele	Colq	Rrpw	Cocb	Wimu	Tawh	(%) control					
	(pt/A)	(3)	(1)	(1)	(2)	(2)	(4)	(2)	(1)	(1)	(1)	(2)	(5)	(5)	(\$/A)	(\$/A)	
<u>Preemergence</u>																	
Surpass + Hornet WDG	2.75 + 4 oz	96	92	85	54	99	95	100	6	100	90	55.1	22.2	127	\$39.90	158	
<u>Pre / Postemergence (3-4 inch weeds)</u>																	
Surpass / Hornet WDG + atrazine + COC + AMS	2.75 / 3 oz + 0.83 lb + 1% + 2.5 lb	97	95	86	97	99	99	100	96	100	96	56.7	22.0	149	\$45.62	187	
Surpass / Hornet WDG + Clarity + NIS + AMS	2.75 / 3 oz + 4 oz + 0.25% + 2.5 lb	92	95	86	96	99	98	100	98	100	95	57.0	22.2	147	\$46.22	181	
Surpass / Hornet WDG + Aim + NIS + AMS	2.75 / 3 oz + 0.33 oz + 0.25% + 2.5 lb	97	92	86	88	99	99	100	92	100	94	55.7	21.9	146	\$46.01	182	
Surpass / Aim + atrazine + COC	2.75 / 0.33 oz + 1.1 lb + 1%	98	95	82	87	94	98	100	33	100	99	56.2	22.1	146	\$38.88	188	
Surpass / Aim + atrazine + Clarity + NIS	2.75 / 0.33 oz + 0.55 lb + 4 oz + 0.25%	97	92	92	94	99	98	100	95	100	98	56.7	21.8	144	\$40.21	185	
Outlook / Distinct + NIS + AMS	21 oz / 4 oz + 0.25% + 1 lb	97	93	86	99	99	99	100	92	100	94	56.7	21.9	144	\$33.86	190	
Outlook / Celebrity Plus + Distinct + NIS + AMS	16 oz / 3.5 oz + 1 oz + 0.25% + 1 lb	97	90	91	92	99	99	100	94	100	97	56.2	22.0	139	\$41.33	175	
Dual II Magnum / Callisto + atrazine + COC + 28%N	2 / 3 oz + 0.28 lb + 1% + 2.5%	94	90	92	95	99	99	100	94	100	95	56.3	21.7	148	\$50.33	181	
Dual II Magnum / Northstar + COC + 28%N	2 / 5 oz + 1% + 2.5%	95	88	79	95	99	99	100	96	100	98	56.4	22.1	137	\$49.15	164	
Dual II Magnum / Northstar + Accent + COC + 28%N	1 / 4 oz + 0.33 oz + 1% + 2.5%	97	83	88	95	99	99	100	88	100	98	56.2	22.0	145	\$45.13	180	
Dual II Magnum / Northstar + atrazine + COC + 28%N	1 / 4 oz + 0.55 lb + 1% + 2.5%	89	84	82	93	95	98	100	92	100	97	55.8	22.1	138	\$35.52	178	
Axiom / Hornet WDG + COC + 28%N	22 oz / 3 oz + 1% + 2.5%	86	86	84	96	99	99	100	96	100	82	55.6	22.1	141	\$45.49	173	
Surpass / Accent Gold + atrazine + COC + 28%N	1.5 / 2.9 oz + 0.83 lb + 1% + 4	99	91	91	95	99	93	87	98	75	97	56.8	22.4	151	\$48.97	185	
Balance Pro / Liberty + atrazine + AMS	2.25 oz / 24 oz + 1.1 lb + 3 lb	98	93	83	99	99	99	100	92	100	99	56.6	21.9	150	No Label		
Define / Liberty + atrazine + AMS	10 oz / 24 oz + 1.1 lb + 3 lb	97	95	87	86	96	91	87	86	75	98	56.8	22.0	151	\$41.95	193	
Harness / MON 12075 + NIS	1.25 / 4 oz + 0.25%	84	89	83	90	97	96	100	97	100	90	55.5	21.7	145	No Label		
<u>Postemergence (3 collar corn)</u>																	
Lightning + Marksman + NIS + AMS	1.28 oz + 2 pt + 0.25% + 2.5 lb	94	86	93	99	99	99	100	90	100	85	56.7	22.4	148	\$29.07	199	
<u>Postemergence (4 collar corn)</u>																	
Steadfast + Callisto + atrazine + COC	0.75 oz + 2 oz + 0.28 lb + 1%	92	78	94	96	99	99	100	92	100	93	56.2	22.4	146	\$34.16	192	
Steadfast + Hornet WDG + atrazine + COC	0.75 oz + 3 oz + 0.55 lb + 1%	93	79	97	79	99	99	99	98	100	95	55.7	22.5	142	\$33.19	187	
Steadfast + Aim + atrazine + COC	0.75 oz + 0.33 oz + 0.55 lb + 1%	93	76	97	3	87	99	100	25	100	99	54.9	22.3	118	\$26.42	156	
Accent Gold + Marksman + COC + 28%N	2.9 oz + 1 + 1% + 4	89	76	93	87	99	99	100	98	100	95	56.4	22.4	147	\$33.00	193	
<u>Checks</u>																	
Weedy Check	-	0	0	0	0	0	0	0	0	0	0	54.2	23.3	29	\$0.00	44	
Weed-Free	-	100	100	100	100	100	100	100	100	100	100	56.9	22.1	149	\$0.00	231	
	LSD(0.10)	5	5	6	8	7	5	9	12	17	5	1.0	0.4	6		10	

* Weed Species
 Gift = Giant Foxtail Vele = Velvetleaf
 Yeft = Yellow Foxtail Colq = Common Lambsquarters
 Wipm = Wild Proso Millet Rrpw = Redroot Pigweed
 Corw = Common Ragweed Tawh = Tall Waterhemp
 Cocb = Common Cocklebur Wimu = Wild Mustard
 Number in parentheses indicates number of locations species is present