

Fall Herbicide Comparison in Corn - DuPont.

Project Code: 05-11A-M50 Location: Belleville Research Center
 Investigator: Bryan Young

Weed Code	Crop Code	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval	ALLVI	ALLVI	ALLVI	ALLVI	LAMAM	LAMAM	LAMAM	LAMAM				
						Control	Control	Control	Control	Control	Control	Control	Control				
						Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent				
						12-07-04	03-01-05	04-01-05	05-21-05	12-07-04	03-01-05	04-01-05	05-21-05				
						21 DA-A	105 DA-A	136 DA-A	186 DA-A	21 DA-A	105 DA-A	136 DA-A	186 DA-A				
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code								
1	BASIS	75	WG	0.0156	lb ai/a	0.333	oz/a	FALL	A	80	99	99	93				
1	2,4-D LV4	3.8	EC	0.475	lb ai/a	1.0	pt/a	FALL	A								
1	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A								
2	BASIS	75	WG	0.0156	lb ai/a	0.333	oz/a	FALL	A	83	99	99	86				
2	2,4-D LV4	3.8	EC	0.475	lb ai/a	1.0	pt/a	FALL	A								
2	KRX-1120	80	WG	0.4	lb ai/a	0.5	lb/a	FALL	A								
2	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A								
3	BASIS	75	WG	0.0156	lb ai/a	0.333	oz/a	FALL	A	83	99	99	99				
3	2,4-D LV4	3.8	EC	0.475	lb ai/a	1.0	pt/a	FALL	A								
3	KRX-1120	80	WG	0.6	lb ai/a	0.75	lb/a	FALL	A								
3	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A								
4	BASIS	75	WG	0.0156	lb ai/a	0.333	oz/a	FALL	A	87	99	99	90				
4	2,4-D LV4	3.8	EC	0.475	lb ai/a	1.0	pt/a	FALL	A								
4	KRX-1120	80	WG	0.8	lb ai/a	1	lb/a	FALL	A								
4	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A								
5	KRX-1120	80	WG	0.8	lb ai/a	1	lb/a	FALL	A	63	47	60	0				
5	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A								
6	PRINCEP	90	WG	0.9	lb ai/a	1	lb/a	FALL	A	0	17	17	0				
6	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A								
7	BASIS	75	WG	0.0156	lb ai/a	0.333	oz/a	FALL	A	87	99	98	96				
7	2,4-D LV4	3.8	EC	0.475	lb ai/a	1.0	pt/a	FALL	A								
7	PRINCEP	90	WG	0.9	lb ai/a	1	lb/a	FALL	A								
7	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A								
8	2,4-D LV4	3.8	EC	0.475	lb ai/a	1.0	pt/a	FALL	A	80	93	94	90				
8	PRINCEP	90	WG	0.9	lb ai/a	1	lb/a	FALL	A								
8	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A								
9	2,4-D LV4	3.8	EC	0.475	lb ai/a	1.0	pt/a	FALL	A	83	90	87	80				
9	KRX-1120	80	WG	0.8	lb ai/a	1	lb/a	FALL	A								
9	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A								
10	NONTREATED									0	0	0	0				
LSD (P=.05)										13.2	30.9	19.0	7.9	7.0	0.0	0.0	0.0
Replicate F										2.739	0.479	0.613	2.637	2.683	0.000	0.000	0.000
Replicate Prob(F)										0.0915	0.6272	0.5529	0.0990	0.0955	1.0000	1.0000	1.0000
Treatment F										60.646	13.583	34.095	274.576	279.804	0.000	0.000	0.000
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001	0.0001	1.0000	1.0000	1.0000

Fall Herbicide Comparison in Corn - DuPont.

Project Code: 05-11A-M50 Location: Belleville Research Center
 Investigator: Bryan Young

Weed Code	Crop Code	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval	STEME	STEME	STEME	STEME	RANAB	RANAB	RANAB	RANAB				
						Control	Control	Control	Control	Control	Control	Control	Control				
						Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent				
						12-07-04	03-01-05	04-01-05	05-21-05	12-07-04	03-01-05	04-01-05	05-21-05				
						21 DA-A	105 DA-A	136 DA-A	186 DA-A	21 DA-A	105 DA-A	136 DA-A	186 DA-A				
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code								
1	BASIS	75	WG	0.0156	lb ai/a	0.333	oz/a	FALL	A	80	99	99	99				
1	2,4-D LV4	3.8	EC	0.475	lb ai/a	1.0	pt/a	FALL	A								
1	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A								
2	BASIS	75	WG	0.0156	lb ai/a	0.333	oz/a	FALL	A	95	99	99	99				
2	2,4-D LV4	3.8	EC	0.475	lb ai/a	1.0	pt/a	FALL	A								
2	KRX-1120	80	WG	0.4	lb ai/a	0.5	lb/a	FALL	A								
2	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A								
3	BASIS	75	WG	0.0156	lb ai/a	0.333	oz/a	FALL	A	93	99	99	99				
3	2,4-D LV4	3.8	EC	0.475	lb ai/a	1.0	pt/a	FALL	A								
3	KRX-1120	80	WG	0.6	lb ai/a	0.75	lb/a	FALL	A								
3	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A								
4	BASIS	75	WG	0.0156	lb ai/a	0.333	oz/a	FALL	A	98	99	99	99				
4	2,4-D LV4	3.8	EC	0.475	lb ai/a	1.0	pt/a	FALL	A								
4	KRX-1120	80	WG	0.8	lb ai/a	1	lb/a	FALL	A								
4	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A								
5	KRX-1120	80	WG	0.8	lb ai/a	1	lb/a	FALL	A	95	99	99	99				
5	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A								
6	PRINCEP	90	WG	0.9	lb ai/a	1	lb/a	FALL	A	0	99	99	99				
6	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A								
7	BASIS	75	WG	0.0156	lb ai/a	0.333	oz/a	FALL	A	93	99	99	99				
7	2,4-D LV4	3.8	EC	0.475	lb ai/a	1.0	pt/a	FALL	A								
7	PRINCEP	90	WG	0.9	lb ai/a	1	lb/a	FALL	A								
7	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A								
8	2,4-D LV4	3.8	EC	0.475	lb ai/a	1.0	pt/a	FALL	A	86	99	99	99				
8	PRINCEP	90	WG	0.9	lb ai/a	1	lb/a	FALL	A								
8	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A								
9	2,4-D LV4	3.8	EC	0.475	lb ai/a	1.0	pt/a	FALL	A	98	99	99	99				
9	KRX-1120	80	WG	0.8	lb ai/a	1	lb/a	FALL	A								
9	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A								
10	NONTREATED									0	0	0	0				
LSD (P=.05)										7.0	0.0	0.0	0.0	5.9	0.0	2.7	2.7
Replicate F										2.683	0.000	0.000	0.000	0.179	0.000	1.000	1.000
Replicate Prob(F)										0.0955	1.0000	1.0000	1.0000	0.8375	1.0000	0.3874	0.3874
Treatment F										279.804	0.000	0.000	0.000	362.388	0.000	1197.991	1200.671
Treatment Prob(F)										0.0001	1.0000	1.0000	1.0000	0.0001	1.0000	0.0001	0.0001

Fall Herbicide Comparison in Corn - DuPont.

Project Code: 05-11A-M50 Location: Belleville Research Center
 Investigator: Bryan Young

Weed Code	VERPG	AMBTR	SETFA	ZEAMX
Crop Code	Control	Control	Control	Injury
Rating Data Type	Percent	Percent	Percent	Percent
Rating Unit	05-21-05	05-21-05	05-21-05	05-13-05
Rating Date	186 DA-A	186 DA-A	186 DA-A	28 DAP
Trt-Eval Interval				

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	VERPG	AMBTR	SETFA	ZEAMX
1	BASIS	75	WG	0.0156	lb ai/a	0.333	oz/a	FALL	A	33	93	99	0
1	2,4-D LV4	3.8	EC	0.475	lb ai/a	1.0	pt/a	FALL	A				
1	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A				
2	BASIS	75	WG	0.0156	lb ai/a	0.333	oz/a	FALL	A	50	90	93	0
2	2,4-D LV4	3.8	EC	0.475	lb ai/a	1.0	pt/a	FALL	A				
2	KRX-1120	80	WG	0.4	lb ai/a	0.5	lb/a	FALL	A				
2	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A				
3	BASIS	75	WG	0.0156	lb ai/a	0.333	oz/a	FALL	A	50	98	99	0
3	2,4-D LV4	3.8	EC	0.475	lb ai/a	1.0	pt/a	FALL	A				
3	KRX-1120	80	WG	0.6	lb ai/a	0.75	lb/a	FALL	A				
3	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A				
4	BASIS	75	WG	0.0156	lb ai/a	0.333	oz/a	FALL	A	50	92	99	0
4	2,4-D LV4	3.8	EC	0.475	lb ai/a	1.0	pt/a	FALL	A				
4	KRX-1120	80	WG	0.8	lb ai/a	1	lb/a	FALL	A				
4	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A				
5	KRX-1120	80	WG	0.8	lb ai/a	1	lb/a	FALL	A	50	17	0	0
5	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A				
6	PRINCEP	90	WG	0.9	lb ai/a	1	lb/a	FALL	A	99	27	70	0
6	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A				
7	BASIS	75	WG	0.0156	lb ai/a	0.333	oz/a	FALL	A	99	96	99	0
7	2,4-D LV4	3.8	EC	0.475	lb ai/a	1.0	pt/a	FALL	A				
7	PRINCEP	90	WG	0.9	lb ai/a	1	lb/a	FALL	A				
7	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A				
8	2,4-D LV4	3.8	EC	0.475	lb ai/a	1.0	pt/a	FALL	A	99	70	73	0
8	PRINCEP	90	WG	0.9	lb ai/a	1	lb/a	FALL	A				
8	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A				
9	2,4-D LV4	3.8	EC	0.475	lb ai/a	1.0	pt/a	FALL	A	0	27	0	0
9	KRX-1120	80	WG	0.8	lb ai/a	1	lb/a	FALL	A				
9	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A				
10	NONTREATED									90	53	47	0
LSD (P=.05)										15.7	48.2	26.8	0.0
Replicate F										1.000	0.852	2.418	0.000
Replicate Prob(F)										0.3874	0.4432	0.1174	1.0000
Treatment F										40.531	4.059	19.352	0.000
Treatment Prob(F)										0.0001	0.0055	0.0001	1.0000

Trial Comments

1. Protocol: DuPont.
2. WC 21 DAT, March 1, April 1, and May 1; CI 14 and 28 DAP.
3. Rate control of summer annual weeds if present.
4. Blanket application of Roundup WeatherMax 1.5 lbae/A applied to all plots on 5-20-05, V3-V4 corn and 6-18 inch weeds.
5. DAP = Days after planting.
6. In the nontreated plots, non-zero weed control is a result of competition among weeds.
7. At 14 DAP, to early to rate crop injury as corn was just spiking. No crop injury observed at any time.