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APPLICATION DESCRIPTION

	A	B
Application Date:	22/Nov/2003	14/May/2004
Time of Day:	09:20 am	0750-0830
Application Method:	SPRAY	SPRAY
Application Timing:	FALBD	SPRINGBD
Applic. Placement:	BROFOL	BROFOL
Air Temp., Unit:	58 F	72 F
% Relative Humidity:	69	85
Wind Velocity, Unit:	6 MPH	5 MPH
Soil Temp., Unit:	9 C	68 F
Soil Moisture:	wet	wet
% Cloud Cover:	90	75

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	GLXMA	GLXMA
Stage Scale:	Residue	residue
Height, Unit:	50 %	20 %
Crop 2 Code, Stage:	GLXMA	GLXMA
Stage Scale:	na	na

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	SENGL	SENGL
Stage Scale:	1-2"	8-18"
Density, Unit:	0-4 FT2	0-12 M2
Weed 2 Code, Stage:	RANAB	RANAB
Stage Scale:	1-3"	3-12"
Density, Unit:	0-10 FT2	4-20 M2
Weed 3 Code, Stage:	STEME	STEME
Stage Scale:	1"	
Density, Unit:	0-10 FT2	
Weed 4 Code, Stage:	LAMSP	LAMSP
Stage Scale:	<1"	
Density, Unit:	0-50 FT2	
Weed 5 Code, Stage:	CARPA	CARPA
Stage Scale:	1-3" DIA	
Density, Unit:	<1 FT2	
Weed 6 Code, Stage:	ERICA	ERICA
Stage Scale:	1" DIA	<1" dia
Density, Unit:	0-3 FT2	60+ M2
Weed 7 Code, Stage:	CAPBP	CAPBP
Weed 8 Code, Stage:	ERPVE	ERPVE
Weed 9 Code, Stage:	POAAN	POAAN
Stage Scale:		1-6"
Density, Unit:		9-45 M2
Weed10 Code, Stage:	CERVU	CERVU
Stage Scale:		<6"
Density, Unit:		9-30 M2

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APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	CO2 Backp	CO2 Backp
Operating Pressure:	25 psi	25 psi
Nozzle Type:	VS	VS
Nozzle Size:	8002	8002
Nozzle Spacing, Unit:	20 IN	20 IN
Boom Length, Unit:	10 FT	10 FT
Ground Speed, Unit:	3 MPH	3 MPH
Carrier:	water	water
Spray Volume, Unit:	15 gpa	15 gpa
Propellant:	CO2	CO2

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Glyphosate Resistant Horseweed Efficacy

Trial ID: 03F-SEPAC-GRH-EFF
Location: SEPAC

Study Dir.:
Investigator: Dr. Bill Johnson

Weed Code		RANAB	LAMSP	SENGL	CAPBP	ERPVE	
Crop Code							
Part Rated							
Rating Data Type		%control	%control	%control	%control	%control	
Rating Unit		%	%	%	%	%	
Rating Date		16/Apr/2004	16/Apr/2004	16/Apr/2004	16/Apr/2004	16/Apr/2004	
Crop Stage							
Crop Stage Scale							
Weed Stage		2-4"	1-2"	4-6"	4-6"	1-2" FL	
Weed Density, Unit		2-3 FT2	<<1 M2	<1 FT2	<1 FT2	2-3 FT2	
Assessed By		Reece	Reece	Reece	Reece	Reece	
Trt-Eval Interval		146 DA-A	146 DA-A	146 DA-A	146 DA-A	146 DA-A	
# Subsamples, Dec.		0	0	0	0	0	
Trt Treatment	Rate	Unit	Grow Stg	Appl Code			
No. Name					1	2	
					3	4	
					5		
1	Untreated Check				0 c	0 b	0 b
2	2,4-D Ester	0.5 lb ai/a	FALBD A	A	100 a	100 a	93 a
	Crop Oil Conc		FALBD A	A			100 a
	AMS		FALBD A	A			
3	2,4-D Ester	0.5 lb ai/a	SPRBD B	B			
	Crop Oil Conc		SPRBD B	B			
	AMS		SPRBD B	B			
4	Roundup Weathermax	0.77 lb ai/a	FALBD A	A	100 a	100 a	100 a
	AMS		FALBD A	A			
5	Roundup Weathermax	0.77 lb ai/a	SPRBD B	B			
	AMS		SPRBD B	B			
6	Roundup Weathermax	0.77 lb ai/a	FALBD A	A	100 a	100 a	100 a
	2,4-D Ester	0.5 lb ai/a	FALBD A	A			
	AMS		FALBD A	A			
7	Roundup Weathermax	0.77 lb ai/a	SPRBD B	B			
	2,4-D Ester	0.5 lb ai/a	SPRBD B	B			
	AMS		SPRBD B	B			
8	FirstRate	0.0157 lb ai/a	FALBD A	A	95 a	100 a	100 a
	Crop Oil Conc		FALBD A	A			
	AMS		FALBD A	A			
9	FirstRate	0.0157 lb ai/a	SPRBD B	B			
	Crop Oil Conc		SPRBD B	B			
	AMS		SPRBD B	B			
10	Classic	0.0312 lb ai/a	FALBD A	A	100 a	100 a	100 a
	Crop Oil Conc		FALBD A	A			
	AMS		FALBD A	A			
11	Classic	0.0312 lb ai/a	SPRBD B	B			
	Crop Oil Conc		SPRBD B	B			
	AMS		SPRBD B	B			
12	Python	0.0665 lb ai/a	FALBD A	A	100 a	100 a	100 a
	Crop Oil Conc		FALBD A	A			
	AMS		FALBD A	A			
13	Python	0.0665 lb ai/a	SPRBD B	B			
	Crop Oil Conc		SPRBD B	B			
	AMS		SPRBD B	B			
14	Sencor 75DF	0.234 lb ai/a	FALBD A	A	81 a	100 a	100 a
	Crop Oil Conc		FALBD A	A			
	AMS		FALBD A	A			
15	Sencor 75DF	0.234 lb ai/a	SPRBD B	B			
	Crop Oil Conc		SPRBD B	B			
	AMS		SPRBD B	B			
16	Valor	0.064 lb ai/a	FALBD A	A	61 b	100 a	98 a
	Crop Oil Conc		FALBD A	A			100 a
	AMS		FALBD A	A			

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Weed Code					RANAB	LAMSP	SENGL	CAPBP	ERPVE
Crop Code									
Part Rated									
Rating Data Type					%control	%control	%control	%control	%control
Rating Unit					%	%	%	%	%
Rating Date					16/Apr/2004	16/Apr/2004	16/Apr/2004	16/Apr/2004	16/Apr/2004
Crop Stage									
Crop Stage Scale									
Weed Stage					2-4"	1-2"	4-6"	4-6"	1-2" FL
Weed Density, Unit					2-3 FT2	<<1 M2	<1 FT2	<1 FT2	2-3 FT2
Assessed By					Reece	Reece	Reece	Reece	Reece
Trt-Eval Interval					146 DA-A				
# Subsamples, Dec.					0	0	0	0	0
Trt No.	Treatment Name	Rate	Grow Stg	Appl Code	1	2	3	4	5
17	Valor Crop Oil Conc AMS	0.064 lb ai/a	SPRBD B	SPRBD B SPRBD B					
18	FirstRate Valor Crop Oil Conc AMS	0.0157 lb ai/a 0.064 lb ai/a	FALBD A	FALBD A FALBD A FALBD A	100 a	100 a	100 a	100 a	100 a
19	FirstRate Valor Crop Oil Conc AMS	0.0157 lb ai/a 0.064 lb ai/a	SPRBD B	SPRBD B SPRBD B SPRBD B					
20	FirstRate Sencor 75DF Crop Oil Conc AMS	0.0157 lb ai/a 0.234 lb ai/a	FALBD A	FALBD A FALBD A FALBD A	100 a	100 a	100 a	100 a	100 a
21	FirstRate Sencor 75DF Crop Oil Conc AMS	0.0157 lb ai/a 0.234 lb ai/a	SPRBD B	SPRBD B SPRBD B SPRBD B					
22	Untreated Check				0 c	0 b	0 b	0 b	0 b
23	Classic Valor Crop Oil Conc AMS	0.0312 lb ai/a 0.064 lb ai/a	FALBD A	FALBD A FALBD A FALBD A	100 a	100 a	100 a	100 a	100 a
24	Classic Valor Crop Oil Conc AMS	0.0312 lb ai/a 0.064 lb ai/a	SPRBD B	SPRBD B SPRBD B SPRBD B					
25	Classic Sencor 75DF Crop Oil Conc AMS	0.0312 lb ai/a 0.234 lb ai/a	FALBD A	FALBD A FALBD A FALBD A	100 a	100 a	100 a	100 a	100 a
26	Classic Sencor 75DF Crop Oil Conc AMS	0.0312 lb ai/a 0.234 lb ai/a	SPRBD B	SPRBD B SPRBD B SPRBD B					
27	Python Valor Crop Oil Conc AMS	0.0665 lb ai/a 0.064 lb ai/a	FALBD A	FALBD A FALBD A FALBD A	100 a	100 a	100 a	100 a	100 a
28	Python Valor Crop Oil Conc AMS	0.0665 lb ai/a 0.064 lb ai/a	SPRBD B	SPRBD B SPRBD B SPRBD B					
29	Python Sencor 75DF Crop Oil Conc AMS	0.0665 lb ai/a 0.234 lb ai/a	FALBD A	FALBD A FALBD A FALBD A	100 a	100 a	100 a	100 a	100 a

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Weed Code					RANAB	LAMSP	SENGL	CAPBP	ERPVE	
Crop Code										
Part Rated										
Rating Data Type					%control	%control	%control	%control	%control	
Rating Unit					%	%	%	%	%	
Rating Date					16/Apr/2004	16/Apr/2004	16/Apr/2004	16/Apr/2004	16/Apr/2004	
Crop Stage										
Crop Stage Scale										
Weed Stage					2-4"	1-2"	4-6"	4-6"	1-2" FL	
Weed Density, Unit					2-3 FT2	<<1 M2	<1 FT2	<1 FT2	2-3 FT2	
Assessed By					Reece	Reece	Reece	Reece	Reece	
Trt-Eval Interval					146 DA-A					
# Subsamples, Dec.					0	0	0	0	0	
Trt No.	Treatment Name	Rate	Unit	Grow Stg	Appl Code	1	2	3	4	5
30	Python	0.0665	lb ai/a	SPRBD	B					
	Sencor 75DF	0.234	lb ai/a	SPRBD	B					
	Crop Oil Conc			SPRBD	B					
	AMS			SPRBD	B					
31	Express	0.0078	lb ai/a	FALBD	A	100 a	100 a	98 a	100 a	100 a
	NIS			FALBD	A					
	AMS			FALBD	A					
32	Express	0.0078	lb ai/a	SPRBD	B					
	NIS			SPRBD	B					
	AMS			SPRBD	B					
33	Untreated Check					0 c	0 b	0 b	0 b	0 b
LSD (P=.05)						17.3	0.0	5.6	0.0	0.0
Standard Deviation						12.2	0.0	3.9	0.0	0.0
CV						15.31	0.0	4.76	0.0	0.0
Grand Mean						79.78	83.33	82.64	83.33	83.33
Bartlett's X2						41.337	0.0	5.056	0.0	0.0
P(Bartlett's X2)						0.001*	.	0.08	.	.
Replicate F						0.633	0.000	0.810	0.000	0.000
Replicate Prob(F)						0.5974	1.0000	0.4945	1.0000	1.0000
Treatment F						38.731	0.000	375.519	0.000	0.000
Treatment Prob(F)						0.0001	1.0000	0.0001	1.0000	1.0000

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Weed Code					CARPA	POAAN	CERVU	ERICA	RANAB	
Crop Code										
Part Rated										
Rating Data Type					%control	%control	%control	%control	%control	
Rating Unit					%	%	%	%	%	
Rating Date					16/Apr/2004	16/Apr/2004	16/Apr/2004	16/Apr/2004	28/Apr/2004	
Crop Stage										
Crop Stage Scale										
Weed Stage					cotyled	2-4"	1-2"	cotyled	3-8"	
Weed Density, Unit					<<1 M2	1-6 FT2	<1 FT2	<<1 M2	2-3 FT2	
Assessed By					Reece	Reece	Reece	Reece	Bill & Reece	
Trt-Eval Interval					146 DA-A	146 DA-A	146 DA-A	146 DA-A	158 DA-A	
# Subsamples, Dec.					0	0	0	0	0	
Trt No.	Treatment Name	Rate	Unit	Grow Stg	Appl Code	6	7	8	9	10
1	Untreated Check					0 b	0 d	0 c	0 b	0 c
2	2,4-D Ester Crop Oil Conc AMS	0.5	lb ai/a	FALBD	A	98 a	50 c	75 b	93 a	94 a
3	2,4-D Ester Crop Oil Conc AMS	0.5	lb ai/a	SPRBD	B					
4	Roundup Weathermax AMS	0.77	lb ai/a	FALBD	A	100 a	100 a	98 a	96 a	93 a
5	Roundup Weathermax AMS	0.77	lb ai/a	SPRBD	B					
6	Roundup Weathermax 2,4-D Ester AMS	0.77	lb ai/a	FALBD	A	99 a	100 a	99 a	95 a	93 a
7	Roundup Weathermax 2,4-D Ester AMS	0.77	lb ai/a	SPRBD	B					
8	FirstRate Crop Oil Conc AMS	0.0157	lb ai/a	FALBD	A	99 a	75 ab	100 a	99 a	95 a
9	FirstRate Crop Oil Conc AMS	0.0157	lb ai/a	SPRBD	B					
10	Classic Crop Oil Conc AMS	0.0312	lb ai/a	FALBD	A	100 a	100 a	100 a	100 a	100 a
11	Classic Crop Oil Conc AMS	0.0312	lb ai/a	SPRBD	B					
12	Python Crop Oil Conc AMS	0.0665	lb ai/a	FALBD	A	100 a	65 bc	99 a	100 a	99 a
13	Python Crop Oil Conc AMS	0.0665	lb ai/a	SPRBD	B					
14	Sencor 75DF Crop Oil Conc AMS	0.234	lb ai/a	FALBD	A	100 a	85 ab	100 a	99 a	80 a
15	Sencor 75DF Crop Oil Conc AMS	0.234	lb ai/a	SPRBD	B					
16	Valor Crop Oil Conc AMS	0.064	lb ai/a	FALBD	A	100 a	85 ab	100 a	100 a	48 b
17	Valor Crop Oil Conc AMS	0.064	lb ai/a	SPRBD	B					

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Weed Code					CARPA	POAAN	CERVU	ERICA	RANAB
Crop Code									
Part Rated									
Rating Data Type					%control	%control	%control	%control	%control
Rating Unit					%	%	%	%	%
Rating Date					16/Apr/2004	16/Apr/2004	16/Apr/2004	16/Apr/2004	28/Apr/2004
Crop Stage									
Crop Stage Scale									
Weed Stage					cotyled	2-4"	1-2"	cotyled	3-8"
Weed Density, Unit					<<1 M2	1-6 FT2	<1 FT2	<<1 M2	2-3 FT2
Assessed By					Reece	Reece	Reece	Reece	Bill & Reece
Trt-Eval Interval					146 DA-A	146 DA-A	146 DA-A	146 DA-A	158 DA-A
# Subsamples, Dec.					0	0	0	0	0
Trt No.	Treatment Name	Rate	Grow Stg	Appl Code	6	7	8	9	10
18	FirstRate Valor Crop Oil Conc AMS	0.0157 lb ai/a 0.064 lb ai/a	FALBD FALBD	A A	100 a	99 a	100 a	100 a	98 a
19	FirstRate Valor Crop Oil Conc AMS	0.0157 lb ai/a 0.064 lb ai/a	SPRBD SPRBD	B B					
20	FirstRate Sencor 75DF Crop Oil Conc AMS	0.0157 lb ai/a 0.234 lb ai/a	FALBD FALBD	A A	100 a	98 a	100 a	100 a	97 a
21	FirstRate Sencor 75DF Crop Oil Conc AMS	0.0157 lb ai/a 0.234 lb ai/a	SPRBD SPRBD	B B					
22	Untreated Check				0 b	0 d	0 c	0 b	0 c
23	Classic Valor Crop Oil Conc AMS	0.0312 lb ai/a 0.064 lb ai/a	FALBD FALBD	A A	100 a				
24	Classic Valor Crop Oil Conc AMS	0.0312 lb ai/a 0.064 lb ai/a	SPRBD SPRBD	B B					
25	Classic Sencor 75DF Crop Oil Conc AMS	0.0312 lb ai/a 0.234 lb ai/a	FALBD FALBD	A A	100 a				
26	Classic Sencor 75DF Crop Oil Conc AMS	0.0312 lb ai/a 0.234 lb ai/a	SPRBD SPRBD	B B					
27	Python Valor Crop Oil Conc AMS	0.0665 lb ai/a 0.064 lb ai/a	FALBD FALBD	A A	100 a	96 a	100 a	100 a	98 a
28	Python Valor Crop Oil Conc AMS	0.0665 lb ai/a 0.064 lb ai/a	SPRBD SPRBD	B B					
29	Python Sencor 75DF Crop Oil Conc AMS	0.0665 lb ai/a 0.234 lb ai/a	FALBD FALBD	A A	100 a	91 a	100 a	100 a	99 a
30	Python Sencor 75DF Crop Oil Conc AMS	0.0665 lb ai/a 0.234 lb ai/a	SPRBD SPRBD	B B					

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Weed Code					CARPA	POAAN	CERVU	ERICA	RANAB
Crop Code									
Part Rated									
Rating Data Type					%control	%control	%control	%control	%control
Rating Unit					%	%	%	%	%
Rating Date					16/Apr/2004	16/Apr/2004	16/Apr/2004	16/Apr/2004	28/Apr/2004
Crop Stage									
Crop Stage Scale									
Weed Stage					cotyled	2-4"	1-2"	cotyled	3-8"
Weed Density, Unit					<<1 M2	1-6 FT2	<1 FT2	<<1 M2	2-3 FT2
Assessed By					Reece	Reece	Reece	Reece	Bill & Reece
Trt-Eval Interval					146 DA-A	146 DA-A	146 DA-A	146 DA-A	158 DA-A
# Subsamples, Dec.					0	0	0	0	0
Trt No.	Treatment Name	Rate	Grow Stg	Appl Code	6	7	8	9	10
31	Express NIS AMS	0.0078	lb ai/a	FALBD A FALBD A FALBD A	100 a	48 c	100 a	98 a	93 a
32	Express NIS AMS	0.0078	lb ai/a	SPRBD B SPRBD B SPRBD B					
33	Untreated Check				0 b	0 d	0 c	0 b	0 c
LSD (P=.05)					1.9	17.8	10.5	4.3	15.9
Standard Deviation					1.4	12.6	7.4	3.0	11.3
CV					1.65	17.62	9.08	3.7	14.63
Grand Mean					83.06	71.63	81.67	82.15	77.01
Bartlett's X2					2.061	65.975	27.778	7.863	73.231
P(Bartlett's X2)					0.357	0.001*	0.001*	0.164	0.001*
Replicate F					2.957	1.009	0.960	1.238	0.495
Replicate Prob(F)					0.0410	0.3964	0.4188	0.3054	0.6871
Treatment F					3110.565	34.269	105.205	619.773	44.233
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Weed Code					SENGL	ERICA	POAAN	ERICA	ERICA	
Crop Code									GLXMA	
Part Rated										
Rating Data Type					%control	%control	%control	%control	%control	
Rating Unit					%	%	%	%	%	
Rating Date					28/Apr/2004	28/Apr/2004	28/Apr/2004	3/Jun/2004	21/Jun/2004	
Crop Stage									V1-V3	
Crop Stage Scale									4-8"	
Weed Stage					8-12" FL	2-5 lf	4", seed	1-5"	1-8"	
Weed Density, Unit					2 FT2	100 FT2	3-4 FT2	9-15FT2	2-15FT2	
Assessed By					Bill & Reece	Bill & Reece	Bill & Reece	Bill & Reece	Earl & Reece	
Trt-Eval Interval					158 DA-A	158 DA-A	158 DA-A	20 DA-B	38 DA-B	
# Subsamples, Dec.					0	0	0	0	0	
Trt No.	Treatment Name	Rate	Unit	Grow Stg	Appl Code	11	12	13	14	15
1	Untreated Check					0 c	0 c	0 e	0 d	0 e
2	2,4-D Ester Crop Oil Conc AMS	0.5	lb ai/a	FALBD	A	89 b	45 abc	26 de	21 cd	30 cde
3	2,4-D Ester Crop Oil Conc AMS	0.5	lb ai/a	SPRBD	B				78 ab	87 ab
4	Roundup Weathermax AMS	0.77	lb ai/a	FALBD	A	100 a	46 abc	95 a	25 cd	31 cde
5	Roundup Weathermax AMS	0.77	lb ai/a	SPRBD	B				87 ab	76 ab
6	Roundup Weathermax 2,4-D Ester AMS	0.77	lb ai/a	FALBD	A	100 a	44 abc	90 a	13 cd	6 e
7	Roundup Weathermax 2,4-D Ester AMS	0.77	lb ai/a	SPRBD	B				93 a	95 a
8	FirstRate Crop Oil Conc AMS	0.0157	lb ai/a	FALBD	A	100 a	90 ab	41 cd	80 ab	64 abc
9	FirstRate Crop Oil Conc AMS	0.0157	lb ai/a	SPRBD	B				100 a	100 a
10	Classic Crop Oil Conc AMS	0.0312	lb ai/a	FALBD	A	100 a	92 ab	94 a	96 a	95 a
11	Classic Crop Oil Conc AMS	0.0312	lb ai/a	SPRBD	B				100 a	100 a
12	Python Crop Oil Conc AMS	0.0665	lb ai/a	FALBD	A	100 a	86 ab	41 cd	76 ab	83 ab
13	Python Crop Oil Conc AMS	0.0665	lb ai/a	SPRBD	B				100 a	99 a
14	Sencor 75DF Crop Oil Conc AMS	0.234	lb ai/a	FALBD	A	100 a	51 ab	58 bc	14 cd	8 e
15	Sencor 75DF Crop Oil Conc AMS	0.234	lb ai/a	SPRBD	B				96 a	97 a
16	Valor Crop Oil Conc AMS	0.064	lb ai/a	FALBD	A	100 a	86 ab	53 c	65 ab	68 abc
17	Valor Crop Oil Conc AMS	0.064	lb ai/a	SPRBD	B				63 ab	56 abc

Purdue University

Weed Code					SENGL	ERICA	POAAN	ERICA	ERICA
Crop Code									GLXMA
Part Rated									
Rating Data Type					%control	%control	%control	%control	%control
Rating Unit					%	%	%	%	%
Rating Date					28/Apr/2004	28/Apr/2004	28/Apr/2004	3/Jun/2004	21/Jun/2004
Crop Stage									V1-V3
Crop Stage Scale									4-8"
Weed Stage					8-12" FL	2-5 lf	4", seed	1-5"	1-8"
Weed Density, Unit					2 FT2	100 FT2	3-4 FT2	9-15FT2	2-15FT2
Assessed By					Bill & Reece	Bill & Reece	Bill & Reece	Bill & Reece	Earl & Reece
Trt-Eval Interval					158 DA-A	158 DA-A	158 DA-A	20 DA-B	38 DA-B
# Subsamples, Dec.					0	0	0	0	0
Trt No.	Treatment Name	Rate	Grow Stg	Appl Code	11	12	13	14	15
18	FirstRate Valor Crop Oil Conc AMS	0.0157 lb ai/a 0.064 lb ai/a	FALBD FALBD FALBD FALBD	A A A A	100 a	97 a	88 a	81 ab	75 ab
19	FirstRate Valor Crop Oil Conc AMS	0.0157 lb ai/a 0.064 lb ai/a	SPRBD SPRBD SPRBD SPRBD	B B B B				100 a	100 a
20	FirstRate Sencor 75DF Crop Oil Conc AMS	0.0157 lb ai/a 0.234 lb ai/a	FALBD FALBD FALBD FALBD	A A A A	100 a	88 ab	82 ab	71 ab	61 abc
21	FirstRate Sencor 75DF Crop Oil Conc AMS	0.0157 lb ai/a 0.234 lb ai/a	SPRBD SPRBD SPRBD SPRBD	B B B B				100 a	100 a
22	Untreated Check				0 c	0 c	0 e	0 d	0 e
23	Classic Valor Crop Oil Conc AMS	0.0312 lb ai/a 0.064 lb ai/a	FALBD FALBD FALBD FALBD	A A A A	100 a	96 a	97 a	96 a	90 a
24	Classic Valor Crop Oil Conc AMS	0.0312 lb ai/a 0.064 lb ai/a	SPRBD SPRBD SPRBD SPRBD	B B B B				100 a	100 a
25	Classic Sencor 75DF Crop Oil Conc AMS	0.0312 lb ai/a 0.234 lb ai/a	FALBD FALBD FALBD FALBD	A A A A	100 a	97 a	96 a	99 a	98 a
26	Classic Sencor 75DF Crop Oil Conc AMS	0.0312 lb ai/a 0.234 lb ai/a	SPRBD SPRBD SPRBD SPRBD	B B B B				100 a	100 a
27	Python Valor Crop Oil Conc AMS	0.0665 lb ai/a 0.064 lb ai/a	FALBD FALBD FALBD FALBD	A A A A	100 a	93 ab	70 abc	63 ab	62 abc
28	Python Valor Crop Oil Conc AMS	0.0665 lb ai/a 0.064 lb ai/a	SPRBD SPRBD SPRBD SPRBD	B B B B				100 a	100 a
29	Python Sencor 75DF Crop Oil Conc AMS	0.0665 lb ai/a 0.234 lb ai/a	FALBD FALBD FALBD FALBD	A A A A	100 a	65 ab	70 abc	48 bc	46 bcd
30	Python Sencor 75DF Crop Oil Conc AMS	0.0665 lb ai/a 0.234 lb ai/a	SPRBD SPRBD SPRBD SPRBD	B B B B				100 a	100 a

Purdue University

Weed Code					SENGL	ERICA	POAAN	ERICA	ERICA
Crop Code									GLXMA
Part Rated									
Rating Data Type					%control	%control	%control	%control	%control
Rating Unit					%	%	%	%	%
Rating Date					28/Apr/2004	28/Apr/2004	28/Apr/2004	3/Jun/2004	21/Jun/2004
Crop Stage									V1-V3
Crop Stage Scale									4-8"
Weed Stage					8-12" FL	2-5 lf	4", seed	1-5"	1-8"
Weed Density, Unit					2 FT2	100 FT2	3-4 FT2	9-15FT2	2-15FT2
Assessed By					Bill & Reece	Bill & Reece	Bill & Reece	Bill & Reece	Earl & Reece
Trt-Eval Interval					158 DA-A	158 DA-A	158 DA-A	20 DA-B	38 DA-B
# Subsamples, Dec.					0	0	0	0	0
Trt No.	Treatment Name	Rate	Grow Stg	Appl Code	11	12	13	14	15
31	Express NIS AMS	0.0078	lb ai/a	FALBD A FALBD A FALBD A	91 ab	40 bc	18 de	25 cd	20 de
32	Express NIS AMS	0.0078	lb ai/a	SPRBD B SPRBD B SPRBD B				75 ab	59 abc
33	Untreated Check				0 c	0 c	0 e	0 d	0 e
LSD (P=.05)					5.8	31.3	19.7	23.9	24.8
Standard Deviation					4.1	22.1	13.9	17.1	17.7
CV					5.03	35.65	24.58	24.9	26.5
Grand Mean					82.22	62.01	56.56	68.58	66.79
Bartlett's X2					2.434	67.455	28.761	100.607	81.598
P(Bartlett's X2)					0.119	0.001*	0.011*	0.001*	0.001*
Replicate F					1.301	2.663	4.088	2.396	1.074
Replicate Prob(F)					0.2841	0.0577	0.0112	0.0729	0.3641
Treatment F					337.804	10.147	26.437	17.236	16.282
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Purdue University

Weed Code					ERICA	ERICA	
Crop Code					GLXMA		
Part Rated						biomas	
Rating Data Type					%control	control	
Rating Unit					%	%control	
Rating Date					8/Jul/2004	5/Oct/2004	
Crop Stage					R1,V4-V8		
Crop Stage Scale					9-14"		
Weed Stage					1-15"	12-48"	
Weed Density, Unit					1-20FT2	5-20M2	
Assessed By					Earl & Vince	Reece & Vince	
Trt-Eval Interval					14 DA-M	103 DA-M	
# Subsamples, Dec.					0	0	
Trt No.	Treatment Name	Rate	Unit	Grow Stg	Appl Code		
						16	
						17	
1	Untreated Check					0 g	69 ab
2	2,4-D Ester	0.5	lb ai/a	FALBD	A	39 def	68 ab
	Crop Oil Conc			FALBD	A		
	AMS			FALBD	A		
3	2,4-D Ester	0.5	lb ai/a	SPRBD	B	90 ab	98 a
	Crop Oil Conc			SPRBD	B		
	AMS			SPRBD	B		
4	Roundup Weathermax	0.77	lb ai/a	FALBD	A	56 a-e	75 ab
	AMS			FALBD	A		
5	Roundup Weathermax	0.77	lb ai/a	SPRBD	B	75 a-d	93 a
	AMS			SPRBD	B		
6	Roundup Weathermax	0.77	lb ai/a	FALBD	A	5 g	22 c
	2,4-D Ester	0.5	lb ai/a	FALBD	A		
	AMS			FALBD	A		
7	Roundup Weathermax	0.77	lb ai/a	SPRBD	B	92 ab	97 a
	2,4-D Ester	0.5	lb ai/a	SPRBD	B		
	AMS			SPRBD	B		
8	FirstRate	0.0157	lb ai/a	FALBD	A	66 a-d	93 a
	Crop Oil Conc			FALBD	A		
	AMS			FALBD	A		
9	FirstRate	0.0157	lb ai/a	SPRBD	B	100 a	100 a
	Crop Oil Conc			SPRBD	B		
	AMS			SPRBD	B		
10	Classic	0.0312	lb ai/a	FALBD	A	93 ab	100 a
	Crop Oil Conc			FALBD	A		
	AMS			FALBD	A		
11	Classic	0.0312	lb ai/a	SPRBD	B	100 a	100 a
	Crop Oil Conc			SPRBD	B		
	AMS			SPRBD	B		
12	Python	0.0665	lb ai/a	FALBD	A	69 a-d	74 ab
	Crop Oil Conc			FALBD	A		
	AMS			FALBD	A		
13	Python	0.0665	lb ai/a	SPRBD	B	100 a	100 a
	Crop Oil Conc			SPRBD	B		
	AMS			SPRBD	B		
14	Sencor 75DF	0.234	lb ai/a	FALBD	A	20 efg	63 ab
	Crop Oil Conc			FALBD	A		
	AMS			FALBD	A		
15	Sencor 75DF	0.234	lb ai/a	SPRBD	B	95 a	98 a
	Crop Oil Conc			SPRBD	B		
	AMS			SPRBD	B		
16	Valor	0.064	lb ai/a	FALBD	A	61 a-d	86 ab
	Crop Oil Conc			FALBD	A		
	AMS			FALBD	A		
17	Valor	0.064	lb ai/a	SPRBD	B	50 b-f	92 a
	Crop Oil Conc			SPRBD	B		
	AMS			SPRBD	B		

Purdue University

Weed Code						ERICA	ERICA
Crop Code						GLXMA	
Part Rated							biomas
Rating Data Type						%control	control
Rating Unit						%	%control
Rating Date						8/Jul/2004	5/Oct/2004
Crop Stage						R1,V4-V8	
Crop Stage Scale						9-14"	
Weed Stage						1-15"	12-48"
Weed Density, Unit						1-20FT2	5-20M2
Assessed By						Earl & Vince	Reece & Vince
Trt-Eval Interval						14 DA-M	103 DA-M
# Subsamples, Dec.						0	0
Trt No.	Treatment Name	Rate	Unit	Grow Stg	Appl Code	16	17
18	FirstRate Valor Crop Oil Conc AMS	0.0157 0.064	lb ai/a lb ai/a	FALBD FALBD	A A	72 a-d	86 ab
19	FirstRate Valor Crop Oil Conc AMS	0.0157 0.064	lb ai/a lb ai/a	SPRBD SPRBD	B B	100 a	100 a
20	FirstRate Sencor 75DF Crop Oil Conc AMS	0.0157 0.234	lb ai/a lb ai/a	FALBD FALBD	A A	61 a-d	76 ab
21	FirstRate Sencor 75DF Crop Oil Conc AMS	0.0157 0.234	lb ai/a lb ai/a	SPRBD SPRBD	B B	100 a	100 a
22	Untreated Check					0 g	79 ab
23	Classic Valor Crop Oil Conc AMS	0.0312 0.064	lb ai/a lb ai/a	FALBD FALBD	A A	88 abc	95 a
24	Classic Valor Crop Oil Conc AMS	0.0312 0.064	lb ai/a lb ai/a	SPRBD SPRBD	B B	100 a	100 a
25	Classic Sencor 75DF Crop Oil Conc AMS	0.0312 0.234	lb ai/a lb ai/a	FALBD FALBD	A A	97 a	97 a
26	Classic Sencor 75DF Crop Oil Conc AMS	0.0312 0.234	lb ai/a lb ai/a	SPRBD SPRBD	B B	100 a	100 a
27	Python Valor Crop Oil Conc AMS	0.0665 0.064	lb ai/a lb ai/a	FALBD FALBD	A A	50 b-f	81 ab
28	Python Valor Crop Oil Conc AMS	0.0665 0.064	lb ai/a lb ai/a	SPRBD SPRBD	B B	100 a	100 a
29	Python Sencor 75DF Crop Oil Conc AMS	0.0665 0.234	lb ai/a lb ai/a	FALBD FALBD	A A	46 c-f	64 ab
30	Python Sencor 75DF Crop Oil Conc AMS	0.0665 0.234	lb ai/a lb ai/a	SPRBD SPRBD	B B	100 a	100 a

Purdue University

Weed Code					ERICA	ERICA
Crop Code					GLXMA	
Part Rated						biomas
Rating Data Type					%control	control
Rating Unit					%	%control
Rating Date					8/Jul/2004	5/Oct/2004
Crop Stage					R1,V4-V8	
Crop Stage Scale					9-14"	
Weed Stage					1-15"	12-48"
Weed Density, Unit					1-20FT2	5-20M2
Assessed By					Earl & Vince	Reece & Vince
Trt-Eval Interval					14 DA-M	103 DA-M
# Subsamples, Dec.					0	0
Trt No.	Treatment Name	Rate	Grow Stg	Appl Code		
		Rate Unit			16	17
31	Express NIS AMS	0.0078 lb ai/a	FALBD	A	18 fg	41 bc
			FALBD	A		
			FALBD	A		
32	Express NIS AMS	0.0078 lb ai/a	SPRBD	B	63 a-d	80 ab
			SPRBD	B		
			SPRBD	B		
33	Untreated Check				0 g	79 ab
LSD (P=.05)					25.0	26.7
Standard Deviation					17.9	19.0
CV					26.75	22.42
Grand Mean					66.79	84.93
Bartlett's X2					67.483	54.297
P(Bartlett's X2)					0.001*	0.001*
Replicate F					2.192	1.105
Replicate Prob(F)					0.0940	0.3512
Treatment F					14.785	3.781
Treatment Prob(F)					0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.