

University of Tennessee - Knoxville

FRUIT CHEMICAL MOVING

Trial ID: CHEMICAL MOWING 109 Protocol ID: FRUIT CHEMICALMOWING 2
 Location: CROSSVILLE, TN Study Director: Jose Javier Vargas
 Project ID: Investigator: Gregory R. Armel
 Sponsor Contact:

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	PLALA	TARSS	TRFSS	FESSS	POASS
Pest Name	Buckhorn pl>	Dandelion	Clover	Fescue	Bluegrass
Description					
Part Rated	PLANT P	PLANT P	PLANT P	PLANT P	PLANT P
Rating Date	22/4/09	22/4/09	22/4/09	22/4/09	22/4/09
Rating Data Type	PHYGEN	PHYGEN	PHYGEN	PHYGEN	PHYGEN
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	7 7	7 7	7 7	7 7	7 7
Trt-Eval Interval	7 DA-A	7 DA-A	7 DA-A	7 DA-A	7 DA-A
Number of Decimals	0	0	0	0	0
Trt Treatment	Form	Rate	Other	Other	
No. Name	Conc	Rate	Unit	Rate	Rate Unit
1 Sethoxydim*POAST	1.5	10 fl oz/a	131 g ai/ha		
Carfentrazone*AIM	2	0.5 fl oz/a	8.8 g ai/ha		
COC	100	1 % v/v	1 % v/v		
2 Sethoxydim*POAST	1.5	10 fl oz/a	131 g ai/ha		
Carfentrazone*AIM	2	1 fl oz/a	17.5 g ai/ha		
COC	100	1 % v/v	1 % v/v		
3 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha		
Carfentrazone*AIM	2	0.5 fl oz/a	0.073 g ai/ha		
COC	100	1 % v/v	1 % v/v		
4 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha		
Carfentrazone*AIM	2	1 fl oz/a	17.5 g ai/ha		
COC	100	1 % v/v	1 % v/v		
5 Sethoxydim*POAST	1.5	10 fl oz/a	131 g ai/ha		
Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha		
COC	100	1 % v/v	1 % v/v		
6 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha		
COC	100	1 % v/v	1 % v/v		
7 Sethoxydim*POAST	1.5	10 fl oz/a	131 g ai/ha		
COC	100	1 % v/v	1 % v/v		
8 Carfentrazone*AIM	2	0.5 fl oz/a	8.8 g ai/ha		
COC	100	1 % v/v	1 % v/v		
9 Carfentrazone*AIM	2	1 fl oz/a	17.5 g ai/ha		
COC	100	1 % v/v	1 % v/v		
10 Glufosinate*LIBERTY	1.67	1 pt/a	234 g ai/ha		
COC	100	1 % v/v	1 % v/v		
11 Sethoxydim*POAST	1.5	10 fl oz/a	131 g ai/ha		
Glufosinate*LIBERTY	1.67	1 pt/a	234 g ai/ha		
COC	100	1 % v/v	1 % v/v		
12 Glufosinate*LIBERTY	1.67	1 pt/a	234 g ai/ha		
Carfentrazone*AIM	2	0.5 fl oz/a	8.8 g ai/ha		
COC	100	1 % v/v	1 % v/v		
13 Glufosinate*LIBERTY	1.67	1 pt/a	234 g ai/ha		
Carfentrazone*AIM	2	1 fl oz/a	17.5 g ai/ha		
COC	100	1 % v/v	1 % v/v		
14 Untreated Check					
LSD (P=.05)	26.5	28.0	19.6	36.2	38.8
Standard Deviation	15.8	16.7	11.6	21.6	23.1
CV	25.6	30.37	16.09	39.02	46.9
Bartlett's X2	6.428	12.024	8.879	8.503	5.603
P(Bartlett's X2)	0.843	0.444	0.633	0.745	0.935
Replicate F	1.442	1.460	0.754	0.774	0.414
Replicate Prob(F)	0.2547	0.2507	0.4803	0.4716	0.6650
Treatment F	6.599	4.022	12.599	2.756	2.353
Treatment Prob(F)	0.0001	0.0012	0.0001	0.0134	0.0306

University of Tennessee - Knoxville

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	PLALA	TARSS	TRFSS	FESSS	POASS
Pest Name	Buckhorn pl>	Dandelion	Clover	Fescue	Bluegrass
Description					
Part Rated	PLANT P	PLANT P	PLANT P	PLANT P	PLANT P
Rating Date	22/4/09	22/4/09	22/4/09	22/4/09	22/4/09
Rating Data Type	PHYGEN	PHYGEN	PHYGEN	PHYGEN	PHYGEN
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	7 7	7 7	7 7	7 7	7 7
Trt-Eval Interval	7 DA-A	7 DA-A	7 DA-A	7 DA-A	7 DA-A
Number of Decimals	0	0	0	0	0

Means followed by same letter do not significantly differ (P=.05, LSD)

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

University of Tennessee - Knoxville

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	PLALA	TARSS	TRFSS	FESSS	POASS
Pest Name	Buckhorn pl>	Dandelion	Clover	Fescue	Bluegrass
Description					
Part Rated	PLANT P	PLANT P	PLANT P	PLANT P	PLANT P
Rating Date	29/4/09	29/4/09	29/4/09	29/4/09	29/4/09
Rating Data Type	PHYGEN	PHYGEN	PHYGEN	PHYGEN	PHYGEN
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	14 14	14 14	14 14	14 14	14 14
Trt-Eval Interval	14 DA-A	14 DA-A	14 DA-A	14 DA-A	14 DA-A
Number of Decimals	0	0	0	0	0
Trt Treatment	Form	Rate	Other	Other	
No. Name	Conc	Rate Unit	Rate	Rate Unit	
1 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha	67 ab
Carfentrazone*AIM	2	0.5 fl oz/a	8.8	g ai/ha	57 bcd
COC	100	1 % v/v	1	% v/v	80 ab
2 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha	67 a-d
Carfentrazone*AIM	2	1 fl oz/a	17.5	g ai/ha	83 ab
COC	100	1 % v/v	1	% v/v	90 a
3 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110	g ai/ha	60 abc
Carfentrazone*AIM	2	0.5 fl oz/a	0.073	g ai/ha	67 a-d
COC	100	1 % v/v	1	% v/v	80 ab
4 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110	g ai/ha	67 a-d
Carfentrazone*AIM	2	1 fl oz/a	17.5	g ai/ha	80 ab
COC	100	1 % v/v	1	% v/v	63 b-e
5 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha	67 ab
Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110	g ai/ha	60 a-d
COC	100	1 % v/v	1	% v/v	77 abc
6 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110	g ai/ha	67 ab
COC	100	1 % v/v	1	% v/v	83 ab
7 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha	63 b-e
COC	100	1 % v/v	1	% v/v	57 bc
8 Carfentrazone*AIM	2	0.5 fl oz/a	8.8	g ai/ha	43 cd
COC	100	1 % v/v	1	% v/v	70 abc
9 Carfentrazone*AIM	2	1 fl oz/a	17.5	g ai/ha	83 ab
COC	100	1 % v/v	1	% v/v	63 b-e
10 Glufosinate*LIBERTY	1.67	1 pt/a	234	g ai/ha	47 bcd
COC	100	1 % v/v	1	% v/v	53 cd
11 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha	67 abc
Glufosinate*LIBERTY	1.67	1 pt/a	234	g ai/ha	77 abc
COC	100	1 % v/v	1	% v/v	40 e
12 Glufosinate*LIBERTY	1.67	1 pt/a	234	g ai/ha	67 ab
Carfentrazone*AIM	2	0.5 fl oz/a	8.8	g ai/ha	80 ab
COC	100	1 % v/v	1	% v/v	83 ab
13 Glufosinate*LIBERTY	1.67	1 pt/a	234	g ai/ha	57 cde
Carfentrazone*AIM	2	1 fl oz/a	17.5	g ai/ha	60 bc
COC	100	1 % v/v	1	% v/v	40 e
14 Untreated Check					47 c
LSD (P=.05)					0 e
Standard Deviation					0 e
CV					0 d
Bartlett's X2					0 f
P(Bartlett's X2)					0 d
Replicate F					23.2
Replicate Prob(F)					24.4
Treatment F					23.8
Treatment Prob(F)					24.8
					13.8
					14.5
					24.84
					23.93
					14.909
					5.599
					11.004
					8.532
					14.303
					0.187
					0.899
					0.443
					0.665
					0.217
					2.834
					1.049
					2.373
					1.352
					0.297
					0.0770
					0.3648
					0.1131
					0.2762
					0.7457
					6.409
					6.318
					7.673
					8.802
					8.405
					0.0001
					0.0001
					0.0001
					0.0001
					0.0001

Means followed by same letter do not significantly differ (P=.05, LSD)

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

University of Tennessee - Knoxville

Pest Type					W Weed PLALA Buckhorn pl>	W Weed TARSS Dandelion	W Weed TRFSS Clover	W Weed FESSS Fescue	W Weed FESSS Fescue
Pest Code					PLANT P	PLANT P	PLANT P	PLANT P	PLANT P
Pest Name					13/5/09	13/5/09	13/5/09	13/5/09	13/5/09
Description					PHYGEN	PHYGEN	PHYGEN	PHYGEN	PHYGEN
Part Rated					%	%	%	%	%
Rating Date					1	1	1	1	1
Rating Data Type					28	28	28	28	28
Rating Unit					28 DA-A	28 DA-A	28 DA-A	29 DA-A	28 DA-A
Number of Subsamples					0	0	0	0	0
Days After First/Last Applic.									
Trt-Eval Interval									
Number of Decimals									
Trt Treatment	Form	Rate	Other	Other					
No. Name	Conc	Rate Unit	Rate Unit	Rate Unit	11	12	13	14	15
1 Sethoxyndim*POAST	1.5	10 fl oz/a	131 g ai/ha		18 a-d	17 a	18 b-f	67 bcd	8 d
Carfentrazone*AIM	2	0.5 fl oz/a	8.8 g ai/ha						
COC	100	1 % v/v	1 % v/v						
2 Sethoxyndim*POAST	1.5	10 fl oz/a	131 g ai/ha		25 ab	22 a	37 abc	82 a	7 d
Carfentrazone*AIM	2	1 fl oz/a	17.5 g ai/ha						
COC	100	1 % v/v	1 % v/v						
3 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha		30 a	13 a	35 a-d	50 efg	12 c
Carfentrazone*AIM	2	0.5 fl oz/a	0.073 g ai/ha						
COC	100	1 % v/v	1 % v/v						
4 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha		18 a-d	12 a	15 c-f	45 fgh	13 c
Carfentrazone*AIM	2	1 fl oz/a	17.5 g ai/ha						
COC	100	1 % v/v	1 % v/v						
5 Sethoxyndim*POAST	1.5	10 fl oz/a	131 g ai/ha		22 abc	25 a	28 a-d	80 ab	8 d
Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha						
COC	100	1 % v/v	1 % v/v						
6 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha		22 abc	18 a	27 a-e	53 def	12 c
COC	100	1 % v/v	1 % v/v						
7 Sethoxyndim*POAST	1.5	10 fl oz/a	131 g ai/ha		2 de	2 a	2 ef	75 abc	6 d
COC	100	1 % v/v	1 % v/v						
8 Carfentrazone*AIM	2	0.5 fl oz/a	8.8 g ai/ha		7 cde	18 a	12 c-f	7 i	20 b
COC	100	1 % v/v	1 % v/v						
9 Carfentrazone*AIM	2	1 fl oz/a	17.5 g ai/ha		5 cde	3 a	10 def	8 i	19 b
COC	100	1 % v/v	1 % v/v						
10 Glufosinate*LIBERTY	1.67	1 pt/a	234 g ai/ha		10 b-e	3 a	50 a	35 h	15 c
COC	100	1 % v/v	1 % v/v						
11 Sethoxyndim*POAST	1.5	10 fl oz/a	131 g ai/ha		10 b-e	7 a	28 a-d	63 cde	8 d
Glufosinate*LIBERTY	1.67	1 pt/a	234 g ai/ha						
COC	100	1 % v/v	1 % v/v						
12 Glufosinate*LIBERTY	1.67	1 pt/a	234 g ai/ha		15 a-e	12 a	35 a-d	37 gh	15 c
Carfentrazone*AIM	2	0.5 fl oz/a	8.8 g ai/ha						
COC	100	1 % v/v	1 % v/v						
13 Glufosinate*LIBERTY	1.67	1 pt/a	234 g ai/ha		22 abc	8 a	43 ab	47 fgh	14 c
Carfentrazone*AIM	2	1 fl oz/a	17.5 g ai/ha						
COC	100	1 % v/v	1 % v/v						
14 Untreated Check					0 e	0 a	0 f	0 i	25 a
LSD (P=.05)					17.3	19.4	25.4	14.2	3.5
Standard Deviation					10.3	11.6	15.1	8.4	2.1
CV					70.49	101.26	62.18	18.21	15.96
Bartlett's X2					12.73	30.392	13.841	11.022	16.557
P(Bartlett's X2)					0.389	0.002*	0.311	0.527	0.22
Replicate F					3.972	3.613	1.433	3.748	3.289
Replicate Prob(F)					0.0312	0.0412	0.2569	0.0371	0.0533
Treatment F					2.385	1.387	3.068	30.346	21.400
Treatment Prob(F)					0.0287	0.2308	0.0072	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, LSD)

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

University of Tennessee - Knoxville

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	CYPRO	PLALA	PLALA	TARSS	TARSS
Pest Name	Yellow nuts>	Buckhorn pl>	Buckhorn pl>	Dandelion	Dandelion
Description			height		height
Part Rated	PLANT P	PLANT P	PLANT P	PLANT P	PLANT P
Rating Date	13/5/09	11/6/09	11/6/09	11/6/09	11/6/09
Rating Data Type	PHYGEN	PHYGEN	PHYGEN	PHYGEN	PHYGEN
Rating Unit	%	%	number	%	number
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	28 28	57 57	57 57	57 57	57 57
Trt-Eval Interval	28 DA-A	57 DA-A	57 DA-A	57 DA-A	57 DA-A
Number of Decimals	0	0	0	0	0
Trt Treatment	Form	Rate	Other	Other	
No. Name	Conc	Rate Unit	Rate	Rate Unit	
1 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha	16 7 a
Carfentrazone*AIM	2	0.5 fl oz/a	8.8	g ai/ha	17 37 a
COC	100	1 % v/v	1	% v/v	18 21.0 a
2 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha	19 8 a
Carfentrazone*AIM	2	1 fl oz/a	17.5	g ai/ha	20 9 a
COC	100	1 % v/v	1	% v/v	27 27 a
3 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110	g ai/ha	18 19.3 a
Carfentrazone*AIM	2	0.5 fl oz/a	0.073	g ai/ha	19 12 a
COC	100	1 % v/v	1	% v/v	20 7 a
4 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110	g ai/ha	25 25 a
Carfentrazone*AIM	2	1 fl oz/a	17.5	g ai/ha	27 27 a
COC	100	1 % v/v	1	% v/v	18 22.7 a
5 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha	19 8 a
Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110	g ai/ha	20 20 a
COC	100	1 % v/v	1	% v/v	50 50 a
6 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110	g ai/ha	21 21.0 a
COC	100	1 % v/v	1	% v/v	0 0 a
7 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha	20 20 a
COC	100	1 % v/v	1	% v/v	50 50 a
8 Carfentrazone*AIM	2	0.5 fl oz/a	8.8	g ai/ha	21 20.7 a
COC	100	1 % v/v	1	% v/v	8 8 a
9 Carfentrazone*AIM	2	1 fl oz/a	17.5	g ai/ha	32 32 a
COC	100	1 % v/v	1	% v/v	40 40 a
10 Glufosinate*LIBERTY	1.67	1 pt/a	234	g ai/ha	20 20.3 a
COC	100	1 % v/v	1	% v/v	3 3 a
11 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha	0 0 a
Glufosinate*LIBERTY	1.67	1 pt/a	234	g ai/ha	28 28 a
COC	100	1 % v/v	1	% v/v	23 23.7 a
12 Glufosinate*LIBERTY	1.67	1 pt/a	234	g ai/ha	7 7 a
Carfentrazone*AIM	2	0.5 fl oz/a	8.8	g ai/ha	13 13 a
COC	100	1 % v/v	1	% v/v	8 8 a
13 Glufosinate*LIBERTY	1.67	1 pt/a	234	g ai/ha	5 5 a
Carfentrazone*AIM	2	1 fl oz/a	17.5	g ai/ha	82 82 a
COC	100	1 % v/v	1	% v/v	21 21.7 a
14 Untreated Check					30 30 a
LSD (P=.05)					20 20 a
Standard Deviation					18 18 a
CV					25 25 a
Bartlett's X2					0 0 a
P(Bartlett's X2)					28 28 a
Replicate F					23 23 a
Replicate Prob(F)					25 25 a
Treatment F					20 20.7 a
Treatment Prob(F)					17 17 a

Means followed by same letter do not significantly differ (P=.05, LSD)

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

University of Tennessee - Knoxville

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	TRFSS	TRFSS	FESSS	FESSS	CYPRO
Pest Name	Clover	Clover	Fescue	Fescue	Yellow nuts>
Description	PLANT P	PLANT P	PLANT P	PLANT P	PLANT P
Part Rated	11/6/09	11/6/09	11/6/09	11/6/09	11/6/09
Rating Date	PHYGEN	PHYGEN	PHYGEN	PHYGEN	PHYGEN
Rating Data Type	%	number	%	number	%
Rating Unit	1	1	1	1	1
Number of Subsamples	57	57	57	57	57
Days After First/Last Applic.	57 DA-A	56 DA-A	57 DA-A	57 DA-A	57 DA-A
Trt-Eval Interval			0	0	0
Number of Decimals					
Trt Treatment	Form	Rate	Other	Other	
No. Name	Conc	Rate	Unit	Rate	Unit
1 Sethoxyndim*POAST	1.5	10 fl oz/a	131 g ai/ha		
Carfentrazone*AIM	2	0.5 fl oz/a	8.8 g ai/ha		
COC	100	1 % v/v	1 % v/v		
2 Sethoxyndim*POAST	1.5	10 fl oz/a	131 g ai/ha		
Carfentrazone*AIM	2	1 fl oz/a	17.5 g ai/ha		
COC	100	1 % v/v	1 % v/v		
3 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha		
Carfentrazone*AIM	2	0.5 fl oz/a	0.073 g ai/ha		
COC	100	1 % v/v	1 % v/v		
4 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha		
Carfentrazone*AIM	2	1 fl oz/a	17.5 g ai/ha		
COC	100	1 % v/v	1 % v/v		
5 Sethoxyndim*POAST	1.5	10 fl oz/a	131 g ai/ha		
Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha		
COC	100	1 % v/v	1 % v/v		
6 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha		
COC	100	1 % v/v	1 % v/v		
7 Sethoxyndim*POAST	1.5	10 fl oz/a	131 g ai/ha		
COC	100	1 % v/v	1 % v/v		
8 Carfentrazone*AIM	2	0.5 fl oz/a	8.8 g ai/ha		
COC	100	1 % v/v	1 % v/v		
9 Carfentrazone*AIM	2	1 fl oz/a	17.5 g ai/ha		
COC	100	1 % v/v	1 % v/v		
10 Glufosinate*LIBERTY	1.67	1 pt/a	234 g ai/ha		
COC	100	1 % v/v	1 % v/v		
11 Sethoxyndim*POAST	1.5	10 fl oz/a	131 g ai/ha		
Glufosinate*LIBERTY	1.67	1 pt/a	234 g ai/ha		
COC	100	1 % v/v	1 % v/v		
12 Glufosinate*LIBERTY	1.67	1 pt/a	234 g ai/ha		
Carfentrazone*AIM	2	0.5 fl oz/a	8.8 g ai/ha		
COC	100	1 % v/v	1 % v/v		
13 Glufosinate*LIBERTY	1.67	1 pt/a	234 g ai/ha		
Carfentrazone*AIM	2	1 fl oz/a	17.5 g ai/ha		
COC	100	1 % v/v	1 % v/v		
14 Untreated Check					
LSD (P=.05)	46.84		1.60	43.3	8.4
Standard Deviation	27.90		0.96	25.8	5.0
CV	78.38		12.02	85.54	19.55
Bartlett's X2	13.586		7.312	6.399	11.823
P(Bartlett's X2)	0.257		0.885	0.781	0.542
Replicate F	1.827		7.060	1.437	0.792
Replicate Prob(F)	0.1810		0.0036	0.2558	0.4637
Treatment F	3.372		1.451	2.261	2.379
Treatment Prob(F)	0.0040		0.2027	0.0372	0.0290

Means followed by same letter do not significantly differ (P=.05, LSD)

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

University of Tennessee - Knoxville

Pest Type						W Weed
Pest Code						CYPRO
Pest Name						Yellow nuts>
Description						height
Part Rated						PLANT P
Rating Date						11/6/09
Rating Data Type						
Rating Unit						number
Number of Subsamples						1
Days After First/Last Applic.						57 57
Trt-Eval Interval						57 DA-A
Number of Decimals						0
Trt Treatment	Form	Rate	Other	Other		
No. Name	Conc	Rate Unit	Rate	Rate Unit		26
1 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha		19 ab
Carfentrazone*AIM	2	0.5 fl oz/a	8.8	g ai/ha		
COC	100	1 % v/v	1	% v/v		
2 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha		17 bc
Carfentrazone*AIM	2	1 fl oz/a	17.5	g ai/ha		
COC	100	1 % v/v	1	% v/v		
3 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110	g ai/ha		18 abc
Carfentrazone*AIM	2	0.5 fl oz/a	0.073	g ai/ha		
COC	100	1 % v/v	1	% v/v		
4 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110	g ai/ha		17 bc
Carfentrazone*AIM	2	1 fl oz/a	17.5	g ai/ha		
COC	100	1 % v/v	1	% v/v		
5 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha		16 bc
Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110	g ai/ha		
COC	100	1 % v/v	1	% v/v		
6 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110	g ai/ha		16 c
COC	100	1 % v/v	1	% v/v		
7 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha		16 c
COC	100	1 % v/v	1	% v/v		
8 Carfentrazone*AIM	2	0.5 fl oz/a	8.8	g ai/ha		16 c
COC	100	1 % v/v	1	% v/v		
9 Carfentrazone*AIM	2	1 fl oz/a	17.5	g ai/ha		16 c
COC	100	1 % v/v	1	% v/v		
10 Glufosinate*LIBERTY	1.67	1 pt/a	234	g ai/ha		15 c
COC	100	1 % v/v	1	% v/v		
11 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha		21 a
Glufosinate*LIBERTY	1.67	1 pt/a	234	g ai/ha		
COC	100	1 % v/v	1	% v/v		
12 Glufosinate*LIBERTY	1.67	1 pt/a	234	g ai/ha		17 bc
Carfentrazone*AIM	2	0.5 fl oz/a	8.8	g ai/ha		
COC	100	1 % v/v	1	% v/v		
13 Glufosinate*LIBERTY	1.67	1 pt/a	234	g ai/ha		16 bc
Carfentrazone*AIM	2	1 fl oz/a	17.5	g ai/ha		
COC	100	1 % v/v	1	% v/v		
14 Untreated Check						15 c
LSD (P=.05)						3.1
Standard Deviation						1.9
CV						11.07
Bartlett's X2						14.169
P(Bartlett's X2)						0.362
Replicate F						0.517
Replicate Prob(F)						0.6022
Treatment F						2.222
Treatment Prob(F)						0.0403

Means followed by same letter do not significantly differ (P=.05, LSD)

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

University of Tennessee - Knoxville

FRUIT CHEMICAL MOVING

Trial ID: CHEMICAL MOWING 209 Protocol ID: FRUIT CHEMICALMOWING 2
 Location: SPRINGFIELD, TN Study Director: Jose Javier Vargas
 Project ID: Investigator: Gregory R. Armel
 Sponsor Contact:

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	PLALA	TRFRE	TARSS	FESAR	POASS
Pest Name	Buckhorn pl>	White clover	Dandelion	Tall fescue	Bluegrass
Description					
Part Rated	PLANT P	PLANT P	PLANT P	PLANT P	PLANT P
Rating Date	22/4/09	22/4/09	22/4/09	22/4/09	22/4/09
Rating Data Type	CONTRO	CONTRO	CONTRO	PHYGEN	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	7 7	7 7	7 7	7 7	7 7
Trt-Eval Interval	7 DA-A	7 DA-A	7 DA-A	7 DA-A	7 DA-A
Number of Decimals	0	0	0	0	0
Trt Treatment	Form	Rate	Other	Other	
No. Name	Conc	Rate	Unit	Rate	Unit
1 Sethoxydim*POAST	1.5	10 fl oz/a	131 g ai/ha		
Carfentrazone*AIM	2	0.5 fl oz/a	8.8 g ai/ha		
COC	100	1 % v/v	1 % v/v		
2 Sethoxydim*POAST	1.5	10 fl oz/a	131 g ai/ha		
Carfentrazone*AIM	2	1 fl oz/a	17.5 g ai/ha		
COC	100	1 % v/v	1 % v/v		
3 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha		
Carfentrazone*AIM	2	0.5 fl oz/a	0.073 g ai/ha		
COC	100	1 % v/v	1 % v/v		
4 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha		
Carfentrazone*AIM	2	1 fl oz/a	17.5 g ai/ha		
COC	100	1 % v/v	1 % v/v		
5 Sethoxydim*POAST	1.5	10 fl oz/a	131 g ai/ha		
Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha		
COC	100	1 % v/v	1 % v/v		
6 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha		
COC	100	1 % v/v	1 % v/v		
7 Sethoxydim*POAST	1.5	10 fl oz/a	131 g ai/ha		
COC	100	1 % v/v	1 % v/v		
8 Carfentrazone*AIM	2	0.5 fl oz/a	8.8 g ai/ha		
COC	100	1 % v/v	1 % v/v		
9 Carfentrazone*AIM	2	1 fl oz/a	17.5 g ai/ha		
COC	100	1 % v/v	1 % v/v		
10 Glufosinate*LIBERTY	1.67	1 pt/a	234 g ai/ha		
COC	100	1 % v/v	1 % v/v		
11 Sethoxydim*POAST	1.5	10 fl oz/a	131 g ai/ha		
Glufosinate*LIBERTY	1.67	1 pt/a	234 g ai/ha		
COC	100	1 % v/v	1 % v/v		
12 Glufosinate*LIBERTY	1.67	1 pt/a	234 g ai/ha		
Carfentrazone*AIM	2	0.5 fl oz/a	8.8 g ai/ha		
COC	100	1 % v/v	1 % v/v		
13 Glufosinate*LIBERTY	1.67	1 pt/a	234 g ai/ha		
Carfentrazone*AIM	2	1 fl oz/a	17.5 g ai/ha		
COC	100	1 % v/v	1 % v/v		
14 Untreated Check					
LSD (P=.05)	23.9	29.9	14.6	33.3	25.7
Standard Deviation	14.2	17.8	8.7	19.9	15.3
CV	22.65	30.37	12.61	35.35	38.29
Bartlett's X2	15.331	12.599	14.979	11.606	7.837
P(Bartlett's X2)	0.168	0.32	0.036*	0.478	0.798
Replicate F	2.783	6.590	3.046	0.472	0.213
Replicate Prob(F)	0.0803	0.0048	0.0648	0.6289	0.8095
Treatment F	11.707	5.521	29.297	3.296	4.459
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0047	0.0006

University of Tennessee - Knoxville

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	PLALA	TRFRE	TARSS	FESAR	POASS
Pest Name	Buckhorn pl>	White clover	Dandelion	Tall fescue	Bluegrass
Description					
Part Rated	PLANT P	PLANT P	PLANT P	PLANT P	PLANT P
Rating Date	22/4/09	22/4/09	22/4/09	22/4/09	22/4/09
Rating Data Type	CONTRO	CONTRO	CONTRO	PHYGEN	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	7 7	7 7	7 7	7 7	7 7
Trt-Eval Interval	7 DA-A	7 DA-A	7 DA-A	7 DA-A	7 DA-A
Number of Decimals	0	0	0	0	0

Means followed by same letter do not significantly differ (P=.05, LSD)

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

University of Tennessee - Knoxville

Pest Type					W Weed PLALA Buckhorn pl>	W Weed TARSS Dandelion	W Weed TRFSS Clover	W Weed FESSS Fescue	W Weed POASS Bluegrass
Pest Code					PLANT P 27/4/09	PLANT P 27/4/09	PLANT P 27/4/09	PLANT P 27/4/09	PLANT P 27/4/09
Pest Name					CONTRO	CONTRO	CONTRO	PHYGEN	CONTRO
Description					%	%	%	%	%
Part Rated					1	1	1	1	1
Rating Date					12	12	12	12	12
Rating Data Type					12 DA-A	12 DA-A	12 DA-A	12 DA-A	12 DA-A
Rating Unit					0	0	0	0	0
Number of Subsamples									
Days After First/Last Applic.									
Trt-Eval Interval									
Number of Decimals									
Trt Treatment	Form	Rate	Other	Other					
No. Name	Conc	Rate Unit	Rate Unit	Rate Unit	6	7	8	9	10
1 Sethoxyndim*POAST	1.5	10 fl oz/a	131 g ai/ha		77 ab	87 a	73 ab	87 a	90 ab
Carfentrazone*AIM	2	0.5 fl oz/a	8.8 g ai/ha						
COC	100	1 % v/v	1 % v/v						
2 Sethoxyndim*POAST	1.5	10 fl oz/a	131 g ai/ha		77 ab	90 a	73 ab	96 a	86 ab
Carfentrazone*AIM	2	1 fl oz/a	17.5 g ai/ha						
COC	100	1 % v/v	1 % v/v						
3 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha		77 ab	73 ab	67 ab	73 ab	40 cde
Carfentrazone*AIM	2	0.5 fl oz/a	0.073 g ai/ha						
COC	100	1 % v/v	1 % v/v						
4 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha		88 a	90 a	70 ab	60 abc	30 def
Carfentrazone*AIM	2	1 fl oz/a	17.5 g ai/ha						
COC	100	1 % v/v	1 % v/v						
5 Sethoxyndim*POAST	1.5	10 fl oz/a	131 g ai/ha		47 bc	53 bc	50 b	65 abc	94 a
Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha						
COC	100	1 % v/v	1 % v/v						
6 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha		43 c	40 c	57 ab	62 abc	57 bcd
COC	100	1 % v/v	1 % v/v						
7 Sethoxyndim*POAST	1.5	10 fl oz/a	131 g ai/ha		47 bc	43 c	50 b	94 a	94 a
COC	100	1 % v/v	1 % v/v						
8 Carfentrazone*AIM	2	0.5 fl oz/a	8.8 g ai/ha		77 ab	85 a	63 ab	20 cd	33 c-f
COC	100	1 % v/v	1 % v/v						
9 Carfentrazone*AIM	2	1 fl oz/a	17.5 g ai/ha		63 abc	90 a	67 ab	60 abc	7 ef
COC	100	1 % v/v	1 % v/v						
10 Glufosinate*LIBERTY	1.67	1 pt/a	234 g ai/ha		60 abc	53 bc	80 ab	23 cd	27 def
COC	100	1 % v/v	1 % v/v						
11 Sethoxyndim*POAST	1.5	10 fl oz/a	131 g ai/ha		43 c	77 ab	73 ab	63 abc	66 abc
Glufosinate*LIBERTY	1.67	1 pt/a	234 g ai/ha						
COC	100	1 % v/v	1 % v/v						
12 Glufosinate*LIBERTY	1.67	1 pt/a	234 g ai/ha		73 abc	87 a	77 ab	37 bcd	37 cde
Carfentrazone*AIM	2	0.5 fl oz/a	8.8 g ai/ha						
COC	100	1 % v/v	1 % v/v						
13 Glufosinate*LIBERTY	1.67	1 pt/a	234 g ai/ha		77 ab	90 a	87 a	30 bcd	40 cde
Carfentrazone*AIM	2	1 fl oz/a	17.5 g ai/ha						
COC	100	1 % v/v	1 % v/v						
14 Untreated Check					0 d	0 d	0 c	0 d	0 f
LSD (P=.05)					32.8	28.6	30.5	46.6	33.8
Standard Deviation					19.5	17.0	18.2	27.7	20.1
CV					32.23	24.85	28.66	50.41	40.24
Bartlett's X2					17.064	13.381	10.282	25.314	23.077
P(Bartlett's X2)					0.147	0.099	0.591	0.013*	0.01*
Replicate F					3.290	0.508	0.658	0.446	1.733
Replicate Prob(F)					0.0532	0.6075	0.5265	0.6452	0.1965
Treatment F					4.169	7.553	4.047	3.313	7.457
Treatment Prob(F)					0.0010	0.0001	0.0012	0.0045	0.0001

Means followed by same letter do not significantly differ (P=.05, LSD)

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

University of Tennessee - Knoxville

Pest Type					W Weed PLALA Buckhorn pl>	W Weed TARSS Dandelion	W Weed TRFSS Clover	W Weed FESSS Fescue	W Weed FESSS Fescue
Pest Code					PLANT P	PLANT P	PLANT P	PLANT P	PLANT P
Pest Name					13/5/09	13/5/09	13/5/09	13/5/09	13/5/09
Description					CONTRO	CONTRO	CONTRO	PHYGEN	HEIGHT
Part Rated					%	%	%	%	IN
Rating Date					1	1	1	1	1
Rating Data Type					28	28	28	28	28
Rating Unit					28 DA-A	28 DA-A	28 DA-A	28 DA-A	28 DA-A
Number of Subsamples					0	0	0	0	0
Days After First/Last Applic.									
Trt-Eval Interval									
Number of Decimals									
Trt Treatment	Form	Rate	Other	Other					
No. Name	Conc	Rate Unit	Rate Unit	Rate Unit	11	12	13	14	15
1 Sethoxyndim*POAST	1.5	10 fl oz/a	131 g ai/ha		18 bc	28 a	15 cd	77 ab	11 f
Carfentrazone*AIM	2	0.5 fl oz/a	8.8 g ai/ha						
COC	100	1 % v/v	1 % v/v						
2 Sethoxyndim*POAST	1.5	10 fl oz/a	131 g ai/ha		22 bc	17 abc	30 ab	77 ab	10 f
Carfentrazone*AIM	2	1 fl oz/a	17.5 g ai/ha						
COC	100	1 % v/v	1 % v/v						
3 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha		27 ab	8 cd	23 abc	55 bcd	15 def
Carfentrazone*AIM	2	0.5 fl oz/a	0.073 g ai/ha						
COC	100	1 % v/v	1 % v/v						
4 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha		35 a	18 abc	30 ab	35 def	22 bcd
Carfentrazone*AIM	2	1 fl oz/a	17.5 g ai/ha						
COC	100	1 % v/v	1 % v/v						
5 Sethoxyndim*POAST	1.5	10 fl oz/a	131 g ai/ha		27 ab	22 ab	28 ab	65 abc	14 ef
Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha						
COC	100	1 % v/v	1 % v/v						
6 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha		22 bc	12 bcd	10 de	53 bcd	19 cde
COC	100	1 % v/v	1 % v/v						
7 Sethoxyndim*POAST	1.5	10 fl oz/a	131 g ai/ha		0 d	0 d	0 e	77 ab	11 f
COC	100	1 % v/v	1 % v/v						
8 Carfentrazone*AIM	2	0.5 fl oz/a	8.8 g ai/ha		12 cd		13 cd	20 efg	25 abc
COC	100	1 % v/v	1 % v/v						
9 Carfentrazone*AIM	2	1 fl oz/a	17.5 g ai/ha		18 bc	20 abc	18 bcd	12 fg	28 ab
COC	100	1 % v/v	1 % v/v						
10 Glufosinate*LIBERTY	1.67	1 pt/a	234 g ai/ha		20 bc	23 ab	23 abc	35 def	19 cde
COC	100	1 % v/v	1 % v/v						
11 Sethoxyndim*POAST	1.5	10 fl oz/a	131 g ai/ha		12 cd	8 cd	13 cd	82 a	11 f
Glufosinate*LIBERTY	1.67	1 pt/a	234 g ai/ha						
COC	100	1 % v/v	1 % v/v						
12 Glufosinate*LIBERTY	1.67	1 pt/a	234 g ai/ha		23 abc	20 abc	35 a	40 cde	20 cde
Carfentrazone*AIM	2	0.5 fl oz/a	8.8 g ai/ha						
COC	100	1 % v/v	1 % v/v						
13 Glufosinate*LIBERTY	1.67	1 pt/a	234 g ai/ha		28 ab	25 a	32 a	37 def	24 abc
Carfentrazone*AIM	2	1 fl oz/a	17.5 g ai/ha						
COC	100	1 % v/v	1 % v/v						
14 Untreated Check					0 d	0 d	0 e	0 g	29 a
LSD (P=.05)					13.3	12.6	13.3	26.0	7.1
Standard Deviation					7.9	7.4	7.9	15.5	4.2
CV					42.0	48.07	40.8	32.68	22.97
Bartlett's X2					9.849	4.79	7.364	19.987	20.916
P(Bartlett's X2)					0.544	0.852	0.769	0.067	0.075
Replicate F					0.753	0.411	0.294	4.449	3.873
Replicate Prob(F)					0.4807	0.6692	0.7474	0.0218	0.0337
Treatment F					4.898	4.562	6.128	8.565	7.483
Treatment Prob(F)					0.0003	0.0020	0.0001	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, LSD)

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

University of Tennessee - Knoxville

Pest Type					W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code					PLALA	PLALA	TRFSS	TRFSS	FESSS
Pest Name					Buckhorn pl>	Buckhorn pl>	Clover	Clover	Fescue
Description						Avg. Height		Avg. Height	
Part Rated					PLANT P	PLANT P	PLANT P	PLANT P	PLANT P
Rating Date					10/6/09	10/6/09	10/6/09	10/6/09	10/6/09
Rating Data Type					CONTRO	HEIGHT	CONTRO	HEIGHT	PHYGEN
Rating Unit					%	IN	%	IN	%
Number of Subsamples					1	1	1	1	1
Days After First/Last Applic.					56	56	56	56	56
Trt-Eval Interval					56 DA-A	56 DA-A	56 DA-A	56 DA-A	56 DA-A
Number of Decimals					0	0	0	0	0
Trt Treatment	Form	Rate	Other	Other					
No. Name	Conc	Rate Unit	Rate	Rate Unit	16	17	18	19	20
1 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha	5 a	24 a	3 a	14 a	80 ab
Carfentrazone*AIM	2	0.5 fl oz/a	8.8	g ai/ha					
COC	100	1 % v/v	1	% v/v					
2 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha	2 a	23 a	0 a	14 a	77 ab
Carfentrazone*AIM	2	1 fl oz/a	17.5	g ai/ha					
COC	100	1 % v/v	1	% v/v					
3 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110	g ai/ha	8 a	28 a	3 a	16 a	38 bcd
Carfentrazone*AIM	2	0.5 fl oz/a	0.073	g ai/ha					
COC	100	1 % v/v	1	% v/v					
4 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110	g ai/ha	12 a	22 a	0 a	14 a	52 abc
Carfentrazone*AIM	2	1 fl oz/a	17.5	g ai/ha					
COC	100	1 % v/v	1	% v/v					
5 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha	2 a	26 a	0 a	15 a	78 ab
Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110	g ai/ha					
COC	100	1 % v/v	1	% v/v					
6 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110	g ai/ha	8 a	29 a	3 a	16 a	47 abc
COC	100	1 % v/v	1	% v/v					
7 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha	3 a	28 a	0 a	15 a	85 a
COC	100	1 % v/v	1	% v/v					
8 Carfentrazone*AIM	2	0.5 fl oz/a	8.8	g ai/ha	0 a	27 a	5 a	18 a	62 abc
COC	100	1 % v/v	1	% v/v					
9 Carfentrazone*AIM	2	1 fl oz/a	17.5	g ai/ha	10 a	24 a	0 a	16 a	25 cd
COC	100	1 % v/v	1	% v/v					
10 Glufosinate*LIBERTY	1.67	1 pt/a	234	g ai/ha	3 a	26 a	3 a	15 a	65 abc
COC	100	1 % v/v	1	% v/v					
11 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha	0 a	32 a	2 a	16 a	58 abc
Glufosinate*LIBERTY	1.67	1 pt/a	234	g ai/ha					
COC	100	1 % v/v	1	% v/v					
12 Glufosinate*LIBERTY	1.67	1 pt/a	234	g ai/ha	5 a	24 a	3 a	14 a	40 bcd
Carfentrazone*AIM	2	0.5 fl oz/a	8.8	g ai/ha					
COC	100	1 % v/v	1	% v/v					
13 Glufosinate*LIBERTY	1.67	1 pt/a	234	g ai/ha	3 a	25 a	0 a	15 a	27 cd
Carfentrazone*AIM	2	1 fl oz/a	17.5	g ai/ha					
COC	100	1 % v/v	1	% v/v					
14 Untreated Check					0 a	26 a	0 a	17 a	0 d
LSD (P=.05)					8.2	6.0	7.2	2.5	43.6
Standard Deviation					4.9	3.6	4.3	1.5	26.0
CV					110.67	13.73	257.1	9.57	49.63
Bartlett's X2					5.422	11.868	1.957	4.9	14.918
P(Bartlett's X2)					0.796	0.538	0.924	0.977	0.246
Replicate F					3.482	1.302	0.616	4.533	0.117
Replicate Prob(F)					0.0457	0.2890	0.5478	0.0205	0.8899
Treatment F					1.867	1.712	0.559	2.064	2.700
Treatment Prob(F)					0.0851	0.1180	0.8640	0.0562	0.0150

Means followed by same letter do not significantly differ (P=.05, LSD)

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

University of Tennessee - Knoxville

Pest Type						W Weed
Pest Code						FESSS
Pest Name						Fescue
Description						Avg. Height
Part Rated						PLANT P
Rating Date						10/6/09
Rating Data Type						HEIGHT
Rating Unit						IN
Number of Subsamples						1
Days After First/Last Applic.						56 56
Trt-Eval Interval						56 DA-A
Number of Decimals						0
Trt Treatment	Form	Rate	Other	Other		
No. Name	Conc	Rate Unit	Rate	Rate Unit		21
1 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha		24 d
Carfentrazone*AIM	2	0.5 fl oz/a	8.8	g ai/ha		
COC	100	1 % v/v	1	% v/v		
2 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha		30 bcd
Carfentrazone*AIM	2	1 fl oz/a	17.5	g ai/ha		
COC	100	1 % v/v	1	% v/v		
3 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110	g ai/ha		36 ab
Carfentrazone*AIM	2	0.5 fl oz/a	0.073	g ai/ha		
COC	100	1 % v/v	1	% v/v		
4 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110	g ai/ha		27 d
Carfentrazone*AIM	2	1 fl oz/a	17.5	g ai/ha		
COC	100	1 % v/v	1	% v/v		
5 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha		26 d
Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110	g ai/ha		
COC	100	1 % v/v	1	% v/v		
6 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110	g ai/ha		30 bcd
COC	100	1 % v/v	1	% v/v		
7 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha		30 bcd
COC	100	1 % v/v	1	% v/v		
8 Carfentrazone*AIM	2	0.5 fl oz/a	8.8	g ai/ha		39 a
COC	100	1 % v/v	1	% v/v		
9 Carfentrazone*AIM	2	1 fl oz/a	17.5	g ai/ha		36 ab
COC	100	1 % v/v	1	% v/v		
10 Glufosinate*LIBERTY	1.67	1 pt/a	234	g ai/ha		38 a
COC	100	1 % v/v	1	% v/v		
11 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha		29 cd
Glufosinate*LIBERTY	1.67	1 pt/a	234	g ai/ha		
COC	100	1 % v/v	1	% v/v		
12 Glufosinate*LIBERTY	1.67	1 pt/a	234	g ai/ha		30 bcd
Carfentrazone*AIM	2	0.5 fl oz/a	8.8	g ai/ha		
COC	100	1 % v/v	1	% v/v		
13 Glufosinate*LIBERTY	1.67	1 pt/a	234	g ai/ha		35 abc
Carfentrazone*AIM	2	1 fl oz/a	17.5	g ai/ha		
COC	100	1 % v/v	1	% v/v		
14 Untreated Check						34 abc
LSD (P=.05)						6.8
Standard Deviation						4.0
CV						12.73
Bartlett's X2						11.666
P(Bartlett's X2)						0.555
Replicate F						0.478
Replicate Prob(F)						0.6255
Treatment F						4.065
Treatment Prob(F)						0.0011

Means followed by same letter do not significantly differ (P=.05, LSD)

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

University of Tennessee - Knoxville

FRUIT CHEMICAL MOVING

Trial ID: CHEMICAL MOWING 309 Protocol ID: FRUIT CHEMICALMOWING 2
 Location: Dahlonga, GA Study Director: Jose Javier Vargas
 Project ID: Investigator: Gregory R. Armel
 Sponsor Contact:

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	TRFRE	RANSS	VICVI	TARSS	FESAR
Pest Name	White clover	Buttercup	Hairy vetch	Dandelion	Tall fescue
Description					
Part Rated	PLANT P	PLANT P	PLANT P	PLANT P	PLANT P
Rating Date	24/4/09	24/4/09	24/4/09	24/4/09	24/4/09
Rating Data Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	7 7	7 7	7 7	7 7	7 7
Trt-Eval Interval	7 DA-A	7 DA-A	7 DA-A	7 DA-A	7 DA-A
Number of Decimals	0	0	0	0	0
Trt Treatment	Form	Rate	Other	Other	
No. Name	Conc	Rate	Unit	Rate	Unit
1 Sethoxydim*POAST	1.5	10 fl oz/a	131 g ai/ha		
Carfentrazone*AIM	2	0.5 fl oz/a	8.8 g ai/ha		
COC	100	1 % v/v	1 % v/v		
2 Sethoxydim*POAST	1.5	10 fl oz/a	131 g ai/ha		
Carfentrazone*AIM	2	1 fl oz/a	17.5 g ai/ha		
COC	100	1 % v/v	1 % v/v		
3 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha		
Carfentrazone*AIM	2	0.5 fl oz/a	0.073 g ai/ha		
COC	100	1 % v/v	1 % v/v		
4 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha		
Carfentrazone*AIM	2	1 fl oz/a	17.5 g ai/ha		
COC	100	1 % v/v	1 % v/v		
5 Sethoxydim*POAST	1.5	10 fl oz/a	131 g ai/ha		
Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha		
COC	100	1 % v/v	1 % v/v		
6 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha		
COC	100	1 % v/v	1 % v/v		
7 Sethoxydim*POAST	1.5	10 fl oz/a	131 g ai/ha		
COC	100	1 % v/v	1 % v/v		
8 Carfentrazone*AIM	2	0.5 fl oz/a	8.8 g ai/ha		
COC	100	1 % v/v	1 % v/v		
9 Carfentrazone*AIM	2	1 fl oz/a	17.5 g ai/ha		
COC	100	1 % v/v	1 % v/v		
10 Glufosinate*LIBERTY	1.67	1 pt/a	234 g ai/ha		
COC	100	1 % v/v	1 % v/v		
11 Sethoxydim*POAST	1.5	10 fl oz/a	131 g ai/ha		
Glufosinate*LIBERTY	1.67	1 pt/a	234 g ai/ha		
COC	100	1 % v/v	1 % v/v		
12 Glufosinate*LIBERTY	1.67	1 pt/a	234 g ai/ha		
Carfentrazone*AIM	2	0.5 fl oz/a	8.8 g ai/ha		
COC	100	1 % v/v	1 % v/v		
13 Glufosinate*LIBERTY	1.67	1 pt/a	234 g ai/ha		
Carfentrazone*AIM	2	1 fl oz/a	17.5 g ai/ha		
COC	100	1 % v/v	1 % v/v		
14 Untreated Check					
LSD (P=.05)	8.6	10.0	12.9	15.2	12.1
Standard Deviation	5.1	5.9	7.3	7.2	7.2
CV	26.08	42.99	51.02	55.41	32.17
Bartlett's X2	1.072	2.808	1.257	0.565	5.653
P(Bartlett's X2)	1.00	0.971	0.999	0.452	0.843
Replicate F	1.293	1.689	0.403	0.058	1.148
Replicate Prob(F)	0.2915	0.2051	0.6761	0.9441	0.3327
Treatment F	12.518	7.401	5.786	3.512	8.155
Treatment Prob(F)	0.0001	0.0001	0.0017	0.0891	0.0001

University of Tennessee - Knoxville

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	TRFRE	RANSS	VICVI	TARSS	FESAR
Pest Name	White clover	Buttercup	Hairy vetch	Dandelion	Tall fescue
Description					
Part Rated	PLANT P	PLANT P	PLANT P	PLANT P	PLANT P
Rating Date	24/4/09	24/4/09	24/4/09	24/4/09	24/4/09
Rating Data Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	7 7	7 7	7 7	7 7	7 7
Trt-Eval Interval	7 DA-A	7 DA-A	7 DA-A	7 DA-A	7 DA-A
Number of Decimals	0	0	0	0	0

Means followed by same letter do not significantly differ (P=.05, LSD)

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

University of Tennessee - Knoxville

Pest Type							W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code							TRFRE	RANSS	VICVI	TARSS	FESAR
Pest Name							White clover	Buttercup	Hairy vetch	Dandelion	Tall fescue
Description											
Part Rated							PLANT P	PLANT P	PLANT P	PLANT P	PLANT P
Rating Date							1/5/09	1/5/09	1/5/09	1/5/09	1/5/09
Rating Data Type							CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit							%	%	%	%	%
Number of Subsamples							1	1	1	1	1
Days After First/Last Applic.							14 14	14 14	14 14	14 14	14 14
Trt-Eval Interval							14 DA-A	14 DA-A	14 DA-A	14 DA-A	14 DA-A
Number of Decimals							0	0	0	0	0
Trt Treatment	Form	Rate	Other	Other							
No. Name	Conc	Rate Unit	Rate	Rate Unit	6	7	8	9	10		
1 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha	23 b	8 de	3 bc	5	37 bc		
Carfentrazone*AIM	2	0.5 fl oz/a	8.8	g ai/ha							
COC	100	1 % v/v	1	% v/v							
2 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha	27 ab	7 de	5 bc	0	33 bcd		
Carfentrazone*AIM	2	1 fl oz/a	17.5	g ai/ha							
COC	100	1 % v/v	1	% v/v							
3 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110	g ai/ha	17 bc	13 bcd	10 ab		17 e		
Carfentrazone*AIM	2	0.5 fl oz/a	0.073	g ai/ha							
COC	100	1 % v/v	1	% v/v							
4 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110	g ai/ha	17 bc	10 cde	8 abc		20 e		
Carfentrazone*AIM	2	1 fl oz/a	17.5	g ai/ha							
COC	100	1 % v/v	1	% v/v							
5 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha	7 cd	12 b-e	8 ab		40 b		
Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110	g ai/ha							
COC	100	1 % v/v	1	% v/v							
6 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110	g ai/ha	7 cd	8 de	8 ab		20 e		
COC	100	1 % v/v	1	% v/v							
7 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha	7 cd	5 de	0 c		28 d		
COC	100	1 % v/v	1	% v/v							
8 Carfentrazone*AIM	2	0.5 fl oz/a	8.8	g ai/ha	17 bc	10 cde	5 bc	0	13 e		
COC	100	1 % v/v	1	% v/v							
9 Carfentrazone*AIM	2	1 fl oz/a	17.5	g ai/ha	20 b	15 bcd	10 ab		18 e		
COC	100	1 % v/v	1	% v/v							
10 Glufosinate*LIBERTY	1.67	1 pt/a	234	g ai/ha	17 bc	23 ab	10 ab		33 bcd		
COC	100	1 % v/v	1	% v/v							
11 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha	35 a	30 a	15 a		57 a		
Glufosinate*LIBERTY	1.67	1 pt/a	234	g ai/ha							
COC	100	1 % v/v	1	% v/v							
12 Glufosinate*LIBERTY	1.67	1 pt/a	234	g ai/ha	18 b	17 bcd	10 ab		30 cd		
Carfentrazone*AIM	2	0.5 fl oz/a	8.8	g ai/ha							
COC	100	1 % v/v	1	% v/v							
13 Glufosinate*LIBERTY	1.67	1 pt/a	234	g ai/ha	18 b	22 abc	10 ab		33 bcd		
Carfentrazone*AIM	2	1 fl oz/a	17.5	g ai/ha							
COC	100	1 % v/v	1	% v/v							
14 Untreated Check					0 d	0 e	0 c	0	0 f		
LSD (P=.05)					10.1	12.9	8.2	.	7.8		
Standard Deviation					6.0	7.7	4.8	.	4.6		
CV					37.06	59.94	65.17	.	17.11		
Bartlett's X2					6.934	15.449	5.477	.	1.865		
P(Bartlett's X2)					0.862	0.117	0.602	.	0.993		
Replicate F					3.193	2.015	0.059		3.229		
Replicate Prob(F)					0.0575	0.1537	0.9431		0.0559		
Treatment F					6.778	3.204	2.339		26.420		
Treatment Prob(F)					0.0001	0.0056	0.0479		0.0001		

Means followed by same letter do not significantly differ (P=.05, LSD)

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

University of Tennessee - Knoxville

Pest Type							W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code							TRFRE	RANSS	VICVI	TARSS	FESAR
Pest Name							White clover	Buttercup	Hairy vetch	Dandelion	Tall fescue
Description											
Part Rated							PLANT P	PLANT P	PLANT P	PLANT P	PLANT P
Rating Date							15/5/09	15/5/09	15/5/09	15/5/09	15/5/09
Rating Data Type							CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit							%	%	%	%	%
Number of Subsamples							1	1	1	1	1
Days After First/Last Applic.							28 28	28 28	28 28	28 28	28 28
Trt-Eval Interval							28 DA-A	28 DA-A	28 DA-A	28 DA-A	28 DA-A
Number of Decimals							0	0	0	0	0
Trt Treatment	Form	Rate	Other	Other							
No. Name	Conc	Rate	Unit	Rate	Unit	11	12	13	14	15	
1 Sethoxyndim*POAST	1.5	10 fl oz/a		131	g ai/ha	0 a	0 a	2 a	3	20 bc	
Carfentrazone*AIM	2	0.5 fl oz/a		8.8	g ai/ha						
COC	100	1 % v/v		1	% v/v						
2 Sethoxyndim*POAST	1.5	10 fl oz/a		131	g ai/ha	0 a	3 a	3 a	0	23 ab	
Carfentrazone*AIM	2	1 fl oz/a		17.5	g ai/ha						
COC	100	1 % v/v		1	% v/v						
3 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a		110	g ai/ha	0 a	0 a	2 a		13 de	
Carfentrazone*AIM	2	0.5 fl oz/a		0.073	g ai/ha						
COC	100	1 % v/v		1	% v/v						
4 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a		110	g ai/ha	0 a	0 a	0 a		3 fg	
Carfentrazone*AIM	2	1 fl oz/a		17.5	g ai/ha						
COC	100	1 % v/v		1	% v/v						
5 Sethoxyndim*POAST	1.5	10 fl oz/a		131	g ai/ha	2 a	5 a	3 a	0	27 a	
Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a		110	g ai/ha						
COC	100	1 % v/v		1	% v/v						
6 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a		110	g ai/ha	0 a	2 a	2 a		8 ef	
COC	100	1 % v/v		1	% v/v						
7 Sethoxyndim*POAST	1.5	10 fl oz/a		131	g ai/ha	0 a	0 a	0 a		23 ab	
COC	100	1 % v/v		1	% v/v						
8 Carfentrazone*AIM	2	0.5 fl oz/a		8.8	g ai/ha	0 a	0 a	0 a	0	5 fg	
COC	100	1 % v/v		1	% v/v						
9 Carfentrazone*AIM	2	1 fl oz/a		17.5	g ai/ha	0 a	2 a	2 a	0	7 f	
COC	100	1 % v/v		1	% v/v						
10 Glufosinate*LIBERTY	1.67	1 pt/a		234	g ai/ha	0 a	0 a		0	7 f	
COC	100	1 % v/v		1	% v/v						
11 Sethoxyndim*POAST	1.5	10 fl oz/a		131	g ai/ha	0 a	0 a	0 a	0	17 cd	
Glufosinate*LIBERTY	1.67	1 pt/a		234	g ai/ha						
COC	100	1 % v/v		1	% v/v						
12 Glufosinate*LIBERTY	1.67	1 pt/a		234	g ai/ha	0 a		0 a	0	5 fg	
Carfentrazone*AIM	2	0.5 fl oz/a		8.8	g ai/ha						
COC	100	1 % v/v		1	% v/v						
13 Glufosinate*LIBERTY	1.67	1 pt/a		234	g ai/ha	0 a	0 a	0 a	0	8 ef	
Carfentrazone*AIM	2	1 fl oz/a		17.5	g ai/ha						
COC	100	1 % v/v		1	% v/v						
14 Untreated Check						0 a	0 a	0 a	0	0 g	
LSD (P=.05)						1.3	3.4	4.5	.	6.2	
Standard Deviation						0.8	2.0	2.6	.	3.7	
CV						648.07	240.73	256.82	.	31.18	
Bartlett's X2						0.0	1.598	1.957	.	7.152	
P(Bartlett's X2)						.	0.66	0.855	.	0.711	
Replicate F						1.000	2.907	2.310		2.116	
Replicate Prob(F)						0.3816	0.0805	0.1296		0.1408	
Treatment F						1.000	1.726	0.708		16.080	
Treatment Prob(F)						0.4786	0.1433	0.7247		0.0001	

Means followed by same letter do not significantly differ (P=.05, LSD)

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

University of Tennessee - Knoxville

Pest Type					W Weed	W Weed	W Weed	W Weed
Pest Code					FESAR	PLALA	PLALA	TRFRE
Pest Name					Tall fescue	Buckhorn pl>	Buckhorn pl>	White clover
Description					Average Hei>		Average Hei>	
Part Rated					PLANT P	PLANT P	PLANT P	PLANT P
Rating Date					15/5/09	12/6/09	12/6/09	12/6/09
Rating Data Type					HEIGHT	CONTRO	HEIGHT	CONTRO
Rating Unit					IN	%	IN	%
Number of Subsamples					1	1	1	1
Days After First/Last Applic.					28 28	56 56	56 56	56 56
Trt-Eval Interval					28 DA-A	56 DA-A	56 DA-A	56 DA-A
Number of Decimals					1	0	0	0
Trt Treatment	Form	Rate	Other	Other				
No. Name	Conc	Rate Unit	Rate	Rate Unit	16	17	18	19
1 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha	13.4 e	62 a	12 a	8 a
Carfentrazone*AIM	2	0.5 fl oz/a	8.8	g ai/ha				
COC	100	1 % v/v	1	% v/v				
2 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha	11.4 e	80 a	20 a	12 a
Carfentrazone*AIM	2	1 fl oz/a	17.5	g ai/ha				
COC	100	1 % v/v	1	% v/v				
3 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110	g ai/ha	20.0 d	77 a	17 a	25 a
Carfentrazone*AIM	2	0.5 fl oz/a	0.073	g ai/ha				
COC	100	1 % v/v	1	% v/v				
4 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110	g ai/ha	19.4 d	88 a	5 a	12 a
Carfentrazone*AIM	2	1 fl oz/a	17.5	g ai/ha				
COC	100	1 % v/v	1	% v/v				
5 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha	12.1 e	54 a	27 a	22 a
Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110	g ai/ha				
COC	100	1 % v/v	1	% v/v				
6 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110	g ai/ha	21.2 cd	92 a	15 a	7 a
COC	100	1 % v/v	1	% v/v				
7 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha	11.9 e	67 a	22 a	5 a
COC	100	1 % v/v	1	% v/v				
8 Carfentrazone*AIM	2	0.5 fl oz/a	8.8	g ai/ha	25.3 ab	65 a	17 a	3 a
COC	100	1 % v/v	1	% v/v				
9 Carfentrazone*AIM	2	1 fl oz/a	17.5	g ai/ha	24.1 abc	87 a	7 a	12 a
COC	100	1 % v/v	1	% v/v				
10 Glufosinate*LIBERTY	1.67	1 pt/a	234	g ai/ha	21.8 bcd	87 a	17 a	15 a
COC	100	1 % v/v	1	% v/v				
11 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha	11.8 e	53 a	23 a	7 a
Glufosinate*LIBERTY	1.67	1 pt/a	234	g ai/ha				
COC	100	1 % v/v	1	% v/v				
12 Glufosinate*LIBERTY	1.67	1 pt/a	234	g ai/ha	22.3 bcd	87 a	16 a	12 a
Carfentrazone*AIM	2	0.5 fl oz/a	8.8	g ai/ha				
COC	100	1 % v/v	1	% v/v				
13 Glufosinate*LIBERTY	1.67	1 pt/a	234	g ai/ha	20.6 cd	65 a	13 a	23 a
Carfentrazone*AIM	2	1 fl oz/a	17.5	g ai/ha				
COC	100	1 % v/v	1	% v/v				
14 Untreated Check					27.1 a	0 b	20 a	0 a
LSD (P=.05)					3.94	47.2	21.5	23.5
Standard Deviation					2.34	28.1	12.8	14.0
CV					12.51	40.92	77.66	121.13
Bartlett's X2					25.169	9.017	17.729	13.794
P(Bartlett's X2)					0.022*	0.702	0.168	0.314
Replicate F					1.739	2.014	0.492	1.482
Replicate Prob(F)					0.1955	0.1538	0.6167	0.2458
Treatment F					16.613	2.132	0.633	0.868
Treatment Prob(F)					0.0001	0.0486	0.8046	0.5927

Means followed by same letter do not significantly differ (P=.05, LSD)

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

University of Tennessee - Knoxville

Pest Type					W Weed	W Weed	W Weed	W Weed
Pest Code					TRFRE	VICVI	VICVI	FESAR
Pest Name					White clover	Hairy vetch	Hairy vetch	Tall fescue
Description					Average Hei>		Average Hei>	
Part Rated					PLANT P	PLANT P	PLANT P	PLANT P
Rating Date					12/6/09	12/6/09	12/6/09	12/6/09
Rating Data Type					HEIGHT	CONTRO	HEIGHT	CONTRO
Rating Unit					IN	%	IN	%
Number of Subsamples					1	1	1	1
Days After First/Last Applic.					56 56	56 56	56 56	56 56
Trt-Eval Interval					56 DA-A	56 DA-A	56 DA-A	56 DA-A
Number of Decimals					0	0	0	0
Trt Treatment	Form	Rate	Other	Other				
No. Name	Conc	Rate Unit	Rate	Rate Unit	20	21	22	23
1 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha	15 a	40 bc	15 a	28 a
Carfentrazone*AIM	2	0.5 fl oz/a	8.8	g ai/ha				
COC	100	1 % v/v	1	% v/v				
2 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha	17 a	70 ab	14 a	23 a
Carfentrazone*AIM	2	1 fl oz/a	17.5	g ai/ha				
COC	100	1 % v/v	1	% v/v				
3 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110	g ai/ha	16 a	70 ab	16 a	0 a
Carfentrazone*AIM	2	0.5 fl oz/a	0.073	g ai/ha				
COC	100	1 % v/v	1	% v/v				
4 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110	g ai/ha	16 a	65 ab	11 a	38 a
Carfentrazone*AIM	2	1 fl oz/a	17.5	g ai/ha				
COC	100	1 % v/v	1	% v/v				
5 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha	16 a	57 ab	14 a	20 a
Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110	g ai/ha				
COC	100	1 % v/v	1	% v/v				
6 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110	g ai/ha	15 a	52 ab	16 a	30 a
COC	100	1 % v/v	1	% v/v				
7 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha	16 a	65 ab	13 a	55 a
COC	100	1 % v/v	1	% v/v				
8 Carfentrazone*AIM	2	0.5 fl oz/a	8.8	g ai/ha	16 a	85 a	9 a	20 a
COC	100	1 % v/v	1	% v/v				
9 Carfentrazone*AIM	2	1 fl oz/a	17.5	g ai/ha	16 a	72 ab	14 a	30 a
COC	100	1 % v/v	1	% v/v				
10 Glufosinate*LIBERTY	1.67	1 pt/a	234	g ai/ha	16 a	95 a	5 a	43 a
COC	100	1 % v/v	1	% v/v				
11 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha	17 a	72 ab	10 a	30 a
Glufosinate*LIBERTY	1.67	1 pt/a	234	g ai/ha				
COC	100	1 % v/v	1	% v/v				
12 Glufosinate*LIBERTY	1.67	1 pt/a	234	g ai/ha	17 a	88 a	5 a	25 a
Carfentrazone*AIM	2	0.5 fl oz/a	8.8	g ai/ha				
COC	100	1 % v/v	1	% v/v				
13 Glufosinate*LIBERTY	1.67	1 pt/a	234	g ai/ha	15 a	90 a	4 a	15 a
Carfentrazone*AIM	2	1 fl oz/a	17.5	g ai/ha				
COC	100	1 % v/v	1	% v/v				
14 Untreated Check					16 a	0 c	14 a	0 a
LSD (P=.05)					2.7	44.8	10.1	33.5
Standard Deviation					1.6	26.7	6.0	20.0
CV					10.12	40.64	52.21	77.96
Bartlett's X2					13.778	5.713	28.898	5.672
P(Bartlett's X2)					0.246	0.93	0.007*	0.842
Replicate F					0.563	1.009	0.391	0.961
Replicate Prob(F)					0.5764	0.3784	0.6805	0.3956
Treatment F					0.489	2.491	1.473	1.680
Treatment Prob(F)					0.9112	0.0231	0.1939	0.1262

Means followed by same letter do not significantly differ (P=.05, LSD)

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

University of Tennessee - Knoxville

Pest Type						W Weed
Pest Code						FESAR
Pest Name						Tall fescue
Description						Average Hei>
Part Rated						PLANT P
Rating Date						12/6/09
Rating Data Type						HEIGHT
Rating Unit						IN
Number of Subsamples						1
Days After First/Last Applic.						56 56
Trt-Eval Interval						56 DA-A
Number of Decimals						1
Trt Treatment	Form	Rate	Other	Other		
No. Name	Conc	Rate Unit	Rate	Rate Unit		24
1 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha		19.5 ef
Carfentrazone*AIM	2	0.5 fl oz/a	8.8	g ai/ha		
COC	100	1 % v/v	1	% v/v		
2 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha		16.2 f
Carfentrazone*AIM	2	1 fl oz/a	17.5	g ai/ha		
COC	100	1 % v/v	1	% v/v		
3 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110	g ai/ha		20.5 def
Carfentrazone*AIM	2	0.5 fl oz/a	0.073	g ai/ha		
COC	100	1 % v/v	1	% v/v		
4 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110	g ai/ha		24.2 cde
Carfentrazone*AIM	2	1 fl oz/a	17.5	g ai/ha		
COC	100	1 % v/v	1	% v/v		
5 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha		15.3 f
Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110	g ai/ha		
COC	100	1 % v/v	1	% v/v		
6 Glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110	g ai/ha		25.0 cd
COC	100	1 % v/v	1	% v/v		
7 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha		25.4 bcd
COC	100	1 % v/v	1	% v/v		
8 Carfentrazone*AIM	2	0.5 fl oz/a	8.8	g ai/ha		26.3 abc
COC	100	1 % v/v	1	% v/v		
9 Carfentrazone*AIM	2	1 fl oz/a	17.5	g ai/ha		30.4 ab
COC	100	1 % v/v	1	% v/v		
10 Glufosinate*LIBERTY	1.67	1 pt/a	234	g ai/ha		28.0 abc
COC	100	1 % v/v	1	% v/v		
11 Sethoxyndim*POAST	1.5	10 fl oz/a	131	g ai/ha		16.0 f
Glufosinate*LIBERTY	1.67	1 pt/a	234	g ai/ha		
COC	100	1 % v/v	1	% v/v		
12 Glufosinate*LIBERTY	1.67	1 pt/a	234	g ai/ha		28.3 abc
Carfentrazone*AIM	2	0.5 fl oz/a	8.8	g ai/ha		
COC	100	1 % v/v	1	% v/v		
13 Glufosinate*LIBERTY	1.67	1 pt/a	234	g ai/ha		23.2 cde
Carfentrazone*AIM	2	1 fl oz/a	17.5	g ai/ha		
COC	100	1 % v/v	1	% v/v		
14 Untreated Check						31.3 a
LSD (P=.05)						5.28
Standard Deviation						3.15
CV						13.37
Bartlett's X2						22.199
P(Bartlett's X2)						0.052
Replicate F						0.211
Replicate Prob(F)						0.8114
Treatment F						8.622
Treatment Prob(F)						0.0001

Means followed by same letter do not significantly differ (P=.05, LSD)

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

University of Tennessee - Knoxville

Pest Type	W Weed	W Weed	W Weed
Pest Code	FESSS	PLALA	TRFSS
Pest Name	Fescue	Buckhorn pl>	Clover
Description	Heights	Heights	Heights
Part Rated	PLANT P	PLANT P	PLANT P
Rating Date	30/11/09	30/11/09	30/11/09
Rating Data Type	HEIGHT	HEIGHT	HEIGHT
Rating Unit	IN	IN	IN
Number of Subsamples	1	1	1
Days After First/Last Applic.	28 28	28 28	28 28
Trt-Eval Interval	28 DA-A	28 DA-A	28 DA-A
Number of Decimals	0	0	0
Trt Treatment	Form	Rate	Other
No. Name	Conc	Rate Unit	Rate Unit
1 glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha
COC	100	1 % v/v	1 % v/v
2 glyphosate*TOUCHDOWN TOTAL	4.17	6 fl oz/a	220 g ai/ha
COC	100	1 % v/v	1 % v/v
3 sethoxyndim*POAST	1.5	5 fl oz/a	66 g ai/ha
COC	100	1 % v/v	1 % v/v
4 sethoxyndim*POAST	1.5	10 fl oz/a	132 g ai/ha
COC	100	1 % v/v	1 % v/v
5 oxyfluorfen*GOAL 2XL	2	4 pt/a	1120 g ai/ha
COC	100	1 % v/v	1 % v/v
6 rimsulfuron*Matrix	25	0.5 oz/a	8.76 g ai/ha
COC	100	1 % v/v	1 % v/v
7 glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha
sethoxyndim*POAST	1.5	5 fl oz/a	66 g ai/ha
COC	100	1 % v/v	1 % v/v
8 glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha
sethoxyndim*POAST	1.5	10 fl oz/a	132 g ai/ha
COC	100	1 % v/v	1 % v/v
9 glyphosate*TOUCHDOWN TOTAL	4.17	6 fl oz/a	220 g ai/ha
sethoxyndim*POAST	1.5	5 fl oz/a	66 g ai/ha
COC	100	1 % v/v	1 % v/v
10 glyphosate*TOUCHDOWN TOTAL	4.17	6 fl oz/a	220 g ai/ha
sethoxyndim*POAST	1.5	10 fl oz/a	132 g ai/ha
COC	100	1 % v/v	1 % v/v
11 sethoxyndim*POAST	1.5	10 fl oz/a	132 g ai/ha
oxyfluorfen*GOAL 2XL	2	4 pt/a	1120 g ai/ha
COC	100	1 % v/v	1 % v/v
12 sethoxyndim*POAST	1.5	10 fl oz/a	132 g ai/ha
rimsulfuron*Matrix	25	0.5 oz/a	8.76 g ai/ha
COC	100	1 % v/v	1 % v/v
13 glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha
oxyfluorfen*GOAL 2XL	2	4 pt/a	1120 g ai/ha
COC	100	1 % v/v	1 % v/v
14 glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha
rimsulfuron*Matrix	25	0.5 oz/a	8.76 g ai/ha
COC	100	1 % v/v	1 % v/v
15 sethoxyndim*POAST	1.5	10 fl oz/a	132 g ai/ha
glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha
oxyfluorfen*GOAL 2XL	2	4 pt/a	1120 g ai/ha
COC	100	1 % v/v	1 % v/v
16 sethoxyndim*POAST	1.5	10 fl oz/a	132 g ai/ha
glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha
rimsulfuron*Matrix	25	0.5 oz/a	8.76 g ai/ha
COC	100	1 % v/v	1 % v/v
17 Untreated Check			
LSD (P=.05)	1.8	4.9	1.1
Standard Deviation	1.1	2.9	0.7
CV	29.51	39.38	45.65
Bartlett's X2	10.461	29.379	7.648
P(Bartlett's X2)	0.063	0.003*	0.105

University of Tennessee - Knoxville

Pest Type	W Weed	W Weed	W Weed
Pest Code	FESSS	PLALA	TRFSS
Pest Name	Fescue	Buckhorn pl>	Clover
Description	Heights	Heights	Heights
Part Rated	PLANT P	PLANT P	PLANT P
Rating Date	30/11/09	30/11/09	30/11/09
Rating Data Type	HEIGHT	HEIGHT	HEIGHT
Rating Unit	IN	IN	IN
Number of Subsamples	1	1	1
Days After First/Last Applic.	28 28	28 28	28 28
Trt-Eval Interval	28 DA-A	28 DA-A	28 DA-A
Number of Decimals	0	0	0
Replicate F	1.131	0.387	2.994
Replicate Prob(F)	0.3351	0.6823	0.0643
Treatment F	91.885	6.363	37.888
Treatment Prob(F)	0.0001	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, LSD)

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

University of Tennessee - Knoxville

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	TARSS	FESSS	PLALA	TRFSS	TARSS
Pest Name	Dandelion	Fescue	Buckhorn pl>	Clover	Dandelion
Description	Heights	Dry Weights	Dry Weights	Dry Weights	Dry Weights
Part Rated	PLANT P	PLANT P	PLANT P	PLANT P	PLANT P
Rating Date	30/11/09	2/12/09	2/12/09	2/12/09	2/12/09
Rating Data Type	HEIGHT	YIELD	YIELD	YIELD	YIELD
Rating Unit	IN	G	G	G	G
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	28 28	30 30	30 30	30 30	30 30
Trt-Eval Interval	28 DA-A	30 DA-A	30 DA-A	30 DA-A	30 DA-A
Number of Decimals	0	2	2	2	2
Trt Treatment	Form	Rate	Other	Other	
No. Name	Conc	Rate	Rate	Rate	Unit
1 glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha		9 ab
COC	100	1 % v/v	1 % v/v		
2 glyphosate*TOUCHDOWN TOTAL	4.17	6 fl oz/a	220 g ai/ha		6 cd
COC	100	1 % v/v	1 % v/v		
3 sethoxyndim*POAST	1.5	5 fl oz/a	66 g ai/ha		9 ab
COC	100	1 % v/v	1 % v/v		
4 sethoxyndim*POAST	1.5	10 fl oz/a	132 g ai/ha		7 bc
COC	100	1 % v/v	1 % v/v		
5 oxyfluorfen*GOAL 2XL	2	4 pt/a	1120 g ai/ha		0 f
COC	100	1 % v/v	1 % v/v		
6 rimsulfuron*Matrix	25	0.5 oz/a	8.76 g ai/ha		0 f
COC	100	1 % v/v	1 % v/v		
7 glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha		4 de
sethoxyndim*POAST	1.5	5 fl oz/a	66 g ai/ha		
COC	100	1 % v/v	1 % v/v		
8 glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha		5 cde
sethoxyndim*POAST	1.5	10 fl oz/a	132 g ai/ha		
COC	100	1 % v/v	1 % v/v		
9 glyphosate*TOUCHDOWN TOTAL	4.17	6 fl oz/a	220 g ai/ha		3 e
sethoxyndim*POAST	1.5	5 fl oz/a	66 g ai/ha		
COC	100	1 % v/v	1 % v/v		
10 glyphosate*TOUCHDOWN TOTAL	4.17	6 fl oz/a	220 g ai/ha		4 de
sethoxyndim*POAST	1.5	10 fl oz/a	132 g ai/ha		
COC	100	1 % v/v	1 % v/v		
11 sethoxyndim*POAST	1.5	10 fl oz/a	132 g ai/ha		0 f
oxyfluorfen*GOAL 2XL	2	4 pt/a	1120 g ai/ha		
COC	100	1 % v/v	1 % v/v		
12 sethoxyndim*POAST	1.5	10 fl oz/a	132 g ai/ha		0 f
rimsulfuron*Matrix	25	0.5 oz/a	8.76 g ai/ha		
COC	100	1 % v/v	1 % v/v		
13 glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha		0 f
oxyfluorfen*GOAL 2XL	2	4 pt/a	1120 g ai/ha		
COC	100	1 % v/v	1 % v/v		
14 glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha		0 f
rimsulfuron*Matrix	25	0.5 oz/a	8.76 g ai/ha		
COC	100	1 % v/v	1 % v/v		
15 sethoxyndim*POAST	1.5	10 fl oz/a	132 g ai/ha		0 f
glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha		
oxyfluorfen*GOAL 2XL	2	4 pt/a	1120 g ai/ha		
COC	100	1 % v/v	1 % v/v		
16 sethoxyndim*POAST	1.5	10 fl oz/a	132 g ai/ha		0 f
glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha		
rimsulfuron*Matrix	25	0.5 oz/a	8.76 g ai/ha		
COC	100	1 % v/v	1 % v/v		
17 Untreated Check					11 a
LSD (P=.05)					2.0
Standard Deviation					1.2
CV					35.64
Bartlett's X2					5.908
P(Bartlett's X2)					0.658
					0.963
					0.578
					44.76
					36.981
					0.002*
					1.639
					0.983
					38.63
					8.822
					0.718
					1.928
					1.156
					169.19
					11.325
					0.079
					1.144
					0.686
					69.33
					26.477
					0.006*

University of Tennessee - Knoxville

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	TARSS	FESSS	PLALA	TRFSS	TARSS
Pest Name	Dandelion	Fescue	Buckhorn pl>	Clover	Dandelion
Description	Heights	Dry Weights	Dry Weights	Dry Weights	Dry Weights
Part Rated	PLANT P	PLANT P	PLANT P	PLANT P	PLANT P
Rating Date	30/11/09	2/12/09	2/12/09	2/12/09	2/12/09
Rating Data Type	HEIGHT	YIELD	YIELD	YIELD	YIELD
Rating Unit	IN	G	G	G	G
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	28 28	30 30	30 30	30 30	30 30
Trt-Eval Interval	28 DA-A	30 DA-A	30 DA-A	30 DA-A	30 DA-A
Number of Decimals	0	2	2	2	2
Replicate F	0.380	1.560	0.244	2.924	1.851
Replicate Prob(F)	0.6869	0.2257	0.7852	0.0682	0.1735
Treatment F	28.748	10.340	12.103	2.589	7.414
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0107	0.0001

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

University of Tennessee - Knoxville

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	PLALA	TRFSS	TARSS	FESSS	PLALA
Pest Name	Buckhorn pl>	Clover	Dandelion	Fescue	Buckhorn pl>
Description	% Control	% Control	% Control	% Injury	% Control
Part Rated	PLANT P	PLANT P	PLANT P	PLANT P	PLANT P
Rating Date	16/11/09	16/11/09	16/11/09	30/11/09	30/11/09
Rating Data Type	CONTRO	CONTRO	CONTRO	PHYGEN	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	14 14	14 14	14 14	28 28	28 28
Trt-Eval Interval	7 DA-A	7 DA-A	7 DA-A	28 DA-A	28 DA-A
Number of Decimals	0	0	0	0	0
Replicate F	0.000	0.000	0.000	0.000	0.000
Replicate Prob(F)	1.0000	1.0000	1.0000	1.0000	1.0000
Treatment F	0.000	0.000	0.000	0.000	0.000
Treatment Prob(F)	1.0000	1.0000	1.0000	1.0000	1.0000

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

University of Tennessee - Knoxville

Pest Type							W Weed	W Weed	W Weed
Pest Code							FESSS	PLALA	TRFSS
Pest Name							Fescue	Buckhorn pl>	Clover
Description							Heights	Heights	Heights
Part Rated							PLANT P	PLANT P	PLANT P
Rating Date							30/11/09	30/11/09	30/11/09
Rating Data Type							HEIGHT	HEIGHT	HEIGHT
Rating Unit							IN	IN	IN
Number of Subsamples							1	1	1
Days After First/Last Applic.							28 28	28 28	28 28
Trt-Eval Interval							28 DA-A	28 DA-A	28 DA-A
Number of Decimals							0	0	0
Trt Treatment	Form	Rate	Other	Other					
No. Name	Conc	Rate	Unit	Rate	Rate	Unit	13	14	15
1 glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha	18 a			18 a	11 abc	5 b
COC	100	1 % v/v	1 % v/v						
2 glyphosate*TOUCHDOWN TOTAL	4.17	6 fl oz/a	220 g ai/ha	15 b			15 b	9 b-e	2 cd
COC	100	1 % v/v	1 % v/v						
3 sethoxyndim*POAST	1.5	5 fl oz/a	66 g ai/ha	3 de			3 de	13 a	8 a
COC	100	1 % v/v	1 % v/v						
4 sethoxyndim*POAST	1.5	10 fl oz/a	132 g ai/ha	0 g			0 g	9 cde	1 de
COC	100	1 % v/v	1 % v/v						
5 oxyfluorfen*GOAL 2XL	2	4 pt/a	1120 g ai/ha	0 g			0 g	0 g	0 e
COC	100	1 % v/v	1 % v/v						
6 rimsulfuron*Matrix	25	0.5 oz/a	8.76 g ai/ha	3 de			3 de	8 def	0 e
COC	100	1 % v/v	1 % v/v						
7 glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha	2 f			2 f	9 cde	0 e
sethoxyndim*POAST	1.5	5 fl oz/a	66 g ai/ha						
COC	100	1 % v/v	1 % v/v						
8 glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha	2 ef			2 ef	10 bcd	0 e
sethoxyndim*POAST	1.5	10 fl oz/a	132 g ai/ha						
COC	100	1 % v/v	1 % v/v						
9 glyphosate*TOUCHDOWN TOTAL	4.17	6 fl oz/a	220 g ai/ha	0 g			0 g	6 f	0 e
sethoxyndim*POAST	1.5	5 fl oz/a	66 g ai/ha						
COC	100	1 % v/v	1 % v/v						
10 glyphosate*TOUCHDOWN TOTAL	4.17	6 fl oz/a	220 g ai/ha	0 g			0 g	6 f	1 de
sethoxyndim*POAST	1.5	10 fl oz/a	132 g ai/ha						
COC	100	1 % v/v	1 % v/v						
11 sethoxyndim*POAST	1.5	10 fl oz/a	132 g ai/ha	0 g			0 g	0 g	0 e
oxyfluorfen*GOAL 2XL	2	4 pt/a	1120 g ai/ha						
COC	100	1 % v/v	1 % v/v						
12 sethoxyndim*POAST	1.5	10 fl oz/a	132 g ai/ha	0 g			0 g	9 cde	0 e
rimsulfuron*Matrix	25	0.5 oz/a	8.76 g ai/ha						
COC	100	1 % v/v	1 % v/v						
13 glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha	0 g			0 g	0 g	0 e
oxyfluorfen*GOAL 2XL	2	4 pt/a	1120 g ai/ha						
COC	100	1 % v/v	1 % v/v						
14 glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha	4 d			4 d	7 ef	0 e
rimsulfuron*Matrix	25	0.5 oz/a	8.76 g ai/ha						
COC	100	1 % v/v	1 % v/v						
15 sethoxyndim*POAST	1.5	10 fl oz/a	132 g ai/ha	0 g			0 g	0 g	0 e
glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha						
oxyfluorfen*GOAL 2XL	2	4 pt/a	1120 g ai/ha						
COC	100	1 % v/v	1 % v/v						
16 sethoxyndim*POAST	1.5	10 fl oz/a	132 g ai/ha	0 g			0 g	12 ab	0 e
glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha						
rimsulfuron*Matrix	25	0.5 oz/a	8.76 g ai/ha						
COC	100	1 % v/v	1 % v/v						
17 Untreated Check							13 c	11 abc	3 c
LSD (P=.05)							1.1	2.4	1.9
Standard Deviation							0.6	1.4	1.2
CV							18.2	20.64	94.81
Bartlett's X2							3.158	7.849	2.995
P(Bartlett's X2)							0.532	0.797	0.701

University of Tennessee - Knoxville

Pest Type	W Weed	W Weed	W Weed
Pest Code	FESSS	PLALA	TRFSS
Pest Name	Fescue	Buckhorn pl>	Clover
Description	Heights	Heights	Heights
Part Rated	PLANT P	PLANT P	PLANT P
Rating Date	30/11/09	30/11/09	30/11/09
Rating Data Type	HEIGHT	HEIGHT	HEIGHT
Rating Unit	IN	IN	IN
Number of Subsamples	1	1	1
Days After First/Last Applic.	28 28	28 28	28 28
Trt-Eval Interval	28 DA-A	28 DA-A	28 DA-A
Number of Decimals	0	0	0
Replicate F	0.336	0.637	0.059
Replicate Prob(F)	0.7169	0.5357	0.9428
Treatment F	257.514	27.961	11.290
Treatment Prob(F)	0.0001	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, LSD)

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

University of Tennessee - Knoxville

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	TARSS	FESSS	PLALA	TRFSS	TARSS
Pest Name	Dandelion	Fescue	Buckhorn pl>	Clover	Dandelion
Description	Heights	Dry Weights	Dry Weights	Dry Weights	Dry Weights
Part Rated	PLANT P	PLANT P	PLANT P	PLANT P	PLANT P
Rating Date	30/11/09	2/12/09	2/12/09	2/12/09	2/12/09
Rating Data Type	HEIGHT	YIELD	YIELD	YIELD	YIELD
Rating Unit	IN	G	G	G	G
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	28 28	30 30	30 30	30 30	30 30
Trt-Eval Interval	28 DA-A	30 DA-A	30 DA-A	30 DA-A	30 DA-A
Number of Decimals	0	2	2	2	2
Trt Treatment	Form	Rate	Other	Other	
No. Name	Conc	Rate	Rate	Rate	Unit
1 glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha		6 cde
COC	100	1 % v/v	1 % v/v		
2 glyphosate*TOUCHDOWN TOTAL	4.17	6 fl oz/a	220 g ai/ha		4 de
COC	100	1 % v/v	1 % v/v		
3 sethoxyndim*POAST	1.5	5 fl oz/a	66 g ai/ha		9 ab
COC	100	1 % v/v	1 % v/v		
4 sethoxyndim*POAST	1.5	10 fl oz/a	132 g ai/ha		8 abc
COC	100	1 % v/v	1 % v/v		
5 oxyfluorfen*GOAL 2XL	2	4 pt/a	1120 g ai/ha		0 g
COC	100	1 % v/v	1 % v/v		
6 rimsulfuron*Matrix	25	0.5 oz/a	8.76 g ai/ha		0 g
COC	100	1 % v/v	1 % v/v		
7 glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha		8 abc
sethoxyndim*POAST	1.5	5 fl oz/a	66 g ai/ha		
COC	100	1 % v/v	1 % v/v		
8 glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha		6 cde
sethoxyndim*POAST	1.5	10 fl oz/a	132 g ai/ha		
COC	100	1 % v/v	1 % v/v		
9 glyphosate*TOUCHDOWN TOTAL	4.17	6 fl oz/a	220 g ai/ha		6 bcd
sethoxyndim*POAST	1.5	5 fl oz/a	66 g ai/ha		
COC	100	1 % v/v	1 % v/v		
10 glyphosate*TOUCHDOWN TOTAL	4.17	6 fl oz/a	220 g ai/ha		3 ef
sethoxyndim*POAST	1.5	10 fl oz/a	132 g ai/ha		
COC	100	1 % v/v	1 % v/v		
11 sethoxyndim*POAST	1.5	10 fl oz/a	132 g ai/ha		0 g
oxyfluorfen*GOAL 2XL	2	4 pt/a	1120 g ai/ha		
COC	100	1 % v/v	1 % v/v		
12 sethoxyndim*POAST	1.5	10 fl oz/a	132 g ai/ha		1 fg
rimsulfuron*Matrix	25	0.5 oz/a	8.76 g ai/ha		
COC	100	1 % v/v	1 % v/v		
13 glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha		0 g
oxyfluorfen*GOAL 2XL	2	4 pt/a	1120 g ai/ha		
COC	100	1 % v/v	1 % v/v		
14 glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha		0 g
rimsulfuron*Matrix	25	0.5 oz/a	8.76 g ai/ha		
COC	100	1 % v/v	1 % v/v		
15 sethoxyndim*POAST	1.5	10 fl oz/a	132 g ai/ha		0 g
glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha		
oxyfluorfen*GOAL 2XL	2	4 pt/a	1120 g ai/ha		
COC	100	1 % v/v	1 % v/v		
16 sethoxyndim*POAST	1.5	10 fl oz/a	132 g ai/ha		0 g
glyphosate*TOUCHDOWN TOTAL	4.17	3 fl oz/a	110 g ai/ha		
rimsulfuron*Matrix	25	0.5 oz/a	8.76 g ai/ha		
COC	100	1 % v/v	1 % v/v		
17 Untreated Check					10 a
LSD (P=.05)					2.9
Standard Deviation					1.7
CV					47.9
Bartlett's X2					11.745
P(Bartlett's X2)					0.228
					2.84 a
					0.373
					1.104
					19.73
					15.156
					17.961
					19.795
					0.003*
					1.841
					0.703
					84.09
					35.139
					0.001*

University of Tennessee - Knoxville

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	TARSS	FESSS	PLALA	TRFSS	TARSS
Pest Name	Dandelion	Fescue	Buckhorn pl>	Clover	Dandelion
Description	Heights	Dry Weights	Dry Weights	Dry Weights	Dry Weights
Part Rated	PLANT P	PLANT P	PLANT P	PLANT P	PLANT P
Rating Date	30/11/09	2/12/09	2/12/09	2/12/09	2/12/09
Rating Data Type	HEIGHT	YIELD	YIELD	YIELD	YIELD
Rating Unit	IN	G	G	G	G
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	28 28	30 30	30 30	30 30	30 30
Trt-Eval Interval	28 DA-A	30 DA-A	30 DA-A	30 DA-A	30 DA-A
Number of Decimals	0	2	2	2	2
Replicate F	0.184	0.032	0.134	1.746	0.120
Replicate Prob(F)	0.8329	0.9684	0.8755	0.1907	0.8875
Treatment F	14.555	33.480	9.351	7.536	4.511
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0001

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