

# Purdue University

MSM/Chlor 1:4 ratio for Broadleaf Weed Control in Pastures, Rangeland or CRP;  
PNW, MW, and Eastern US

Trial ID: 05-FPAC-PASTUREDUPONT  
Location: FPAC

Study Dir.: Vince Davis  
Investigator: Dr. William G. Johnson

## GENERAL TRIAL INFORMATION

**Study Director:** Vince Davis **Title:** Research Associate  
**Affiliation:** Purdue University  
**Postal Code:** 47907  
**Investigator:** Dr. William G. Johnson **Title:** Associate Professor  
**Affiliation:** Purdue University  
**Postal Code:** 47907

## TRIAL LOCATION

**City:** Bedford  
**State/Prov.:** IN  
**Postal Code:** 47421  
**Country:** USA

## COOPERATOR/LANDOWNER

**Cooperator:** Feldun-Purdue Agricultural Center **Country:** USA  
**Phone No:** 812-279-8554  
**Address 1:** 923 State Road 458 **Fax No:** 812-279-4390  
**City:** Bedford  
**State/Prov:** IN  
**Postal Code:** 47421

**Conducted Under GLP (Y/N):** N **Conducted Under GEP (Y/N):** N

**Objective:** The objective of this study is to evaluate the efficacy of herbicides used to control various pasture weeds.

## CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1.	RUMCR	Rumex crispus	Curly dock
2.	SOLCA	Solanum carolinense	Bullnettle
3.	FESSS	Festuca sp.	Fescue
4.	TRFRE	Trifolium repens	Dutch clover
5.	PLASS	Plantago sp.	Plantain

**Crop 1:** FESSS FESCUE SP.

**Planting Method:** established pasture

## SITE AND DESIGN

**Plot Width, Unit:** 10 FT **Plot Length, Unit:** 30 FT **Reps:** 4  
**Site Type:** PASTURE  
**Tillage Type:** established pasture **Study Design:** RANDOMIZED COMPLETE BLOCK

## MAINTENANCE

**Field Prep./Maintenance:** Once the trial is established, study area will be occasionally mowed to represent a typical grazing process.

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## APPLICATION DESCRIPTION

A	
Application Date:	15/Apr/2005
Time of Day:	12:30pm
Application Method:	Spray
Application Timing:	Spring
Applic. Placement:	BROFOL
Air Temp., Unit:	58 F
% Relative Humidity:	40
Wind Velocity, Unit:	6 MPH
Soil Moisture:	Moist
% Cloud Cover:	0

## CROP STAGE AT EACH APPLICATION

A	
Crop 1 Code, Stage:	FESSS
Height, Unit:	5 IN

## WEED STAGE AT EACH APPLICATION

A	
Weed 1 Code, Stage:	RUMCR
Stage Scale:	.5-2 seed
Density, Unit:	50 YD2
Weed 2 Code, Stage:	SOLCA
Weed 3 Code, Stage:	FESSS
Stage Scale:	3-6"
Weed 4 Code, Stage:	TRFRE
Stage Scale:	2"
Density, Unit:	50 YD2
Weed 5 Code, Stage:	PLASS

## APPLICATION EQUIPMENT

A	
Appl. Equipment:	CO2 BACKP
Operating Pressure:	27 psi
Nozzle Type:	VS
Nozzle Size:	11002
Nozzle Spacing, Unit:	20 IN
Boom Length, Unit:	10 FT
Ground Speed, Unit:	3 MPH
Carrier:	WATER
Spray Volume, Unit:	15 gpa
Propellant:	CO2

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Trial ID: 05-FPAC-PASTUREDUPONT  
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Weed Code									RUMCR	RUMCR	TRFRE	FESSS	RUMCR
Rating Data Type									Efficacy	Efficacy	Efficacy	Efficacy	Efficacy
Rating Unit									%	%	%	%	%
Rating Date									27/Apr/2005	27/Apr/2005	27/Apr/2005	27/Apr/2005	12/May/2005
Crop Stage													
Weed Stage									6-24"	1-2"	2-4"	6-12"	
Weed Density, Unit									1 YD2	40 YD2	20 YD2		1 YD2
Assessed By									RD/VMD	RD/VMD	RD/VMD	RD/VMD	
Trt-Eval Interval									12 DA-A	12 DA-A	12 DA-A	12 DA-A	27 DA-A
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Slg	Appl Code	Plot	1	2	3	4	5
1	Cimarron(1/16)/Glean(1/4)							101	60	60	40	40	100
	Ally PX	0.00234	lb ai/a	0.0375	oz ai/a	POSPOS	A	204	60	60	42	35	100
	Glean PX	0.0117	lb ai/a	0.188	oz ai/a	POSPOS	A	302	45	45	45	35	50
	Crop Oil Conc	1	qt/a	1	qt/a	POSPOS	A	407	80	80	35	35	100
	Mean =								61	61	41	36	88
2	Cimarron(1/8)/Glean(1/2)							102	65	65	60	50	100
	Ally PX	0.0047	lb ai/a	0.075	oz ai/a	POSPOS	A	205	75	75	45	45	100
	Glean PX	0.0234	lb ai/a	0.375	oz ai/a	POSPOS	A	306	88	88	45	55	95
	Crop Oil Conc	1	qt/a	1	qt/a	POSPOS	A	401	70	70	50	35	80
	Mean =								75	75	50	46	94
3	Cimarron(1/4)/Glean(1.0)							103	40	40	50	50	100
	Ally PX	0.0094	lb ai/a	0.15	oz ai/a	POSPOS	A	207	75	75	70	45	90
	Glean PX	0.047	lb ai/a	0.75	oz ai/a	POSPOS	A	301	80	80	50	45	100
	Crop Oil Conc	1	qt/a	1	qt/a	POSPOS	A	405	50	50	55	40	80
	Mean =								61	61	56	45	93
4	Cimarron XP (1/4 oz)							104	60	60	70	35	90
	Ally PX	0.0094	lb ai/a	0.15	oz ai/a	POSPOS	A	206	60	60	55	35	100
	Crop Oil Conc	1	qt/a	1	qt/a	POSPOS	A	307	70	70	60	40	100
								404	88	88	50	30	100
	Mean =								70	70	59	35	98
5	Cimarron XP (1/2 oz)							105	70	70	50	45	90
	Ally PX	0.0188	lb ai/a	0.3	oz ai/a	POSPOS	A	201	90	90	65	60	100
	Crop Oil Conc	1	qt/a	1	qt/a	POSPOS	A	308	70	70	50	40	100
								406	80	80	50	45	100
	Mean =								78	78	54	48	98
6	Cimarron XP (1 oz)							106	70	70	40	45	100
	Ally PX	0.0375	lb ai/a	0.6	oz ai/a	POSPOS	A	208	80	80	70	60	98
	Crop Oil Conc	1	qt/a	1	qt/a	POSPOS	A	303	90	90	40	55	100
								408	65	65	65	45	100
	Mean =								76	76	54	51	100
7	2,4-D Ester	1	lb ae/a	2	pt/a	POSPOS	A	107	25	40	20	0	20
	NIS	0.25	% v/v	0.25	% v/v	POSPOS	A	203	30	30	20	10	80
								305	25	25	20	5	20
								403	60	60	30	5	100
	Mean =								35	39	23	5	55
8	Brash	1.94	lb ae/a	2	qt/a	POSPOS	A	108	85	85	40	0	80
								202	75	75	50	10	20
								304	88	88	30	5	100
								402	85	85	25	10	30
	Mean =								83	83	36	6	58

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Weed Code Rating Data Type Rating Unit Rating Date Crop Stage Weed Stage Weed Density, Unit Assessed By Trt-Eval Interval								RUMCR Efficacy %	TRFRE Efficacy %	PLASS Efficacy %	FESSS Efficacy %	RUMCR Efficacy %	
								12/May/2005	12/May/2005	12/May/2005	12/May/2005	8/Jun/2005	
								40 YD2	20 YD2			6-24" 0.8 YD2 EC	
								27 DA-A	27 DA-A	27 DA-A	27 DA-A	54 DA-A	
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stq	Appl Code	Plot	6	7	8	9	10
1	Cimarron(1/16)/Glean(1/4)							101	100	100	100	50	100
	Ally PX	0.00234	lb ai/a	0.0375	oz ai/a	POSPOS	A	204	100	100	90	40	100
	Glean PX	0.0117	lb ai/a	0.188	oz ai/a	POSPOS	A	302	100	100	100	30	90
	Crop Oil Conc	1	qt/a	1	qt/a	POSPOS	A	407	100	100	100	30	100
								Mean =	100	100	98	38	98
2	Cimarron(1/8)/Glean(1/2)							102	100	100	90	60	100
	Ally PX	0.0047	lb ai/a	0.075	oz ai/a	POSPOS	A	205	100	100	100	50	70
	Glean PX	0.0234	lb ai/a	0.375	oz ai/a	POSPOS	A	306	100	100	100	40	100
	Crop Oil Conc	1	qt/a	1	qt/a	POSPOS	A	401	90	100	100	50	100
								Mean =	98	100	98	50	93
3	Cimarron(1/4)/Glean(1.0)							103	100	100	100	50	100
	Ally PX	0.0094	lb ai/a	0.15	oz ai/a	POSPOS	A	207	100	100	100	50	100
	Glean PX	0.047	lb ai/a	0.75	oz ai/a	POSPOS	A	301	100	100	100	60	100
	Crop Oil Conc	1	qt/a	1	qt/a	POSPOS	A	405	100	100	100	40	100
								Mean =	100	100	100	50	100
4	Cimarron XP (1/4 oz)							104	100	100	100	30	100
	Ally PX	0.0094	lb ai/a	0.15	oz ai/a	POSPOS	A	206	100	100	100	45	100
	Crop Oil Conc	1	qt/a	1	qt/a	POSPOS	A	307	100	100	90	30	100
								404	100	100	100	30	100
								Mean =	100	100	98	34	100
5	Cimarron XP (1/2 oz)							105	100	100	100	60	100
	Ally PX	0.0188	lb ai/a	0.3	oz ai/a	POSPOS	A	201	100	100	100	70	100
	Crop Oil Conc	1	qt/a	1	qt/a	POSPOS	A	308	100	100	100	50	100
								406	100	100	100	40	100
								Mean =	100	100	100	55	100
6	Cimarron XP (1 oz)							106	100	100	100	65	100
	Ally PX	0.0375	lb ai/a	0.6	oz ai/a	POSPOS	A	208	100	100	100	65	100
	Crop Oil Conc	1	qt/a	1	qt/a	POSPOS	A	303	100	100	100	70	100
								408	100	100	100	50	100
								Mean =	100	100	100	63	100
7	2,4-D Ester	1	lb ae/a	2	pt/a	POSPOS	A	107	80	50	100	0	0
	NIS	0.25	% v/v	0.25	% v/v	POSPOS	A	203	20	30	100	20	100
								305	30	100	100	0	25
								403	60	70	50	0	100
								Mean =	48	63	88	5	56
8	Brash	1.94	lb ae/a	2	qt/a	POSPOS	A	108	80	20	100	20	80
								202	80	100	100	100	50
								304	100	100	100	20	95
								402	80	80	100	10	75
								Mean =	85	75	100	38	75

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Weed Code								SOLCA	FESSS	
Rating Data Type								Efficacy	Efficacy	
Rating Unit								%	%	
Rating Date								8/Jun/2005	8/Jun/2005	
Crop Stage										
Weed Stage								8-12"	12-36"	
Weed Density, Unit								2-5 YD2		
Assessed By								EC	EC	
Trt-Eval Interval								54 DA-A	54 DA-A	
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stq	Appl Code	Plot	11	12
1	Cimarron(1/16)/Glean(1/4)							101	50	20
	Ally PX	0.00234	lb ai/a	0.0375	oz ai/a	POSPOS	A	204	10	10
	Glean PX	0.0117	lb ai/a	0.188	oz ai/a	POSPOS	A	302	25	25
	Crop Oil Conc	1	qt/a	1	qt/a	POSPOS	A	407	65	10
	Mean =									38
2	Cimarron(1/8)/Glean(1/2)							102	95	50
	Ally PX	0.0047	lb ai/a	0.075	oz ai/a	POSPOS	A	205	0	40
	Glean PX	0.0234	lb ai/a	0.375	oz ai/a	POSPOS	A	306	90	25
	Crop Oil Conc	1	qt/a	1	qt/a	POSPOS	A	401	75	40
Mean =									65	39
3	Cimarron(1/4)/Glean(1.0)							103	90	70
	Ally PX	0.0094	lb ai/a	0.15	oz ai/a	POSPOS	A	207	70	50
	Glean PX	0.047	lb ai/a	0.75	oz ai/a	POSPOS	A	301	90	80
	Crop Oil Conc	1	qt/a	1	qt/a	POSPOS	A	405	90	0
Mean =									85	50
4	Cimarron XP (1/4 oz)							104	50	10
	Ally PX	0.0094	lb ai/a	0.15	oz ai/a	POSPOS	A	206	0	0
	Crop Oil Conc	1	qt/a	1	qt/a	POSPOS	A	307	90	0
								404	0	0
Mean =									35	3
5	Cimarron XP (1/2 oz)							105	0	25
	Ally PX	0.0188	lb ai/a	0.3	oz ai/a	POSPOS	A	201	0	20
	Crop Oil Conc	1	qt/a	1	qt/a	POSPOS	A	308	25	10
								406	0	10
Mean =									6	16
6	Cimarron XP (1 oz)							106	25	70
	Ally PX	0.0375	lb ai/a	0.6	oz ai/a	POSPOS	A	208	60	70
	Crop Oil Conc	1	qt/a	1	qt/a	POSPOS	A	303	0	70
								408	60	15
Mean =									36	56
7	2,4-D Ester	1	lb ae/a	2	pt/a	POSPOS	A	107	50	0
	NIS	0.25	% v/v	0.25	% v/v	POSPOS	A	203	10	0
								305	85	5
								403	60	0
	Mean =									51
8	Brash	1.94	lb ae/a	2	qt/a	POSPOS	A	108	90	0
								202	50	0
								304	95	0
								402	80	0
	Mean =									79

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PNW, MW, and Eastern US**

Trial ID: 05-FPAC-PASTUREDUPONT  
Location: FPAC

Study Dir.: Vince Davis  
Investigator: Dr. William G. Johnson

Weed Code								RUMCR	RUMCR	TRFRE	FESSS	RUMCR
Rating Data Type								Efficacy	Efficacy	Efficacy	Efficacy	Efficacy
Rating Unit								%	%	%	%	%
Rating Date								27/Apr/2005	27/Apr/2005	27/Apr/2005	27/Apr/2005	12/May/2005
Crop Stage												
Weed Stage								6-24"	1-2"	2-4"	6-12"	
Weed Density, Unit								1 YD2	40 YD2	20 YD2		1 YD2
Assessed By								RD/VMD	RD/VMD	RD/VMD	RD/VMD	
Trt-Eval Interval								12 DA-A	12 DA-A	12 DA-A	12 DA-A	27 DA-A
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Slg	Appl Code	1	2	3	4	5
1	Cimarron(1/16)/Glean(1/4)											
	Ally PX	0.00234	lb ai/a	0.0375	oz ai/a	POSPOS	A	61 b	61 b	41 bc	36 b	88 a
	Glean PX	0.0117	lb ai/a	0.188	oz ai/a	POSPOS	A					
	Crop Oil Conc	1	qt/a	1	qt/a	POSPOS	A					
2	Cimarron(1/8)/Glean(1/2)											
	Ally PX	0.0047	lb ai/a	0.075	oz ai/a	POSPOS	A	75 ab	75 ab	50 ab	46 a	94 a
	Glean PX	0.0234	lb ai/a	0.375	oz ai/a	POSPOS	A					
	Crop Oil Conc	1	qt/a	1	qt/a	POSPOS	A					
3	Cimarron(1/4)/Glean(1.0)											
	Ally PX	0.0094	lb ai/a	0.15	oz ai/a	POSPOS	A	61 b	61 b	56 a	45 a	93 a
	Glean PX	0.047	lb ai/a	0.75	oz ai/a	POSPOS	A					
	Crop Oil Conc	1	qt/a	1	qt/a	POSPOS	A					
4	Cimarron XP (1/4 oz)											
	Ally PX	0.0094	lb ai/a	0.15	oz ai/a	POSPOS	A	70 ab	70 ab	59 a	35 b	98 a
	Crop Oil Conc	1	qt/a	1	qt/a	POSPOS	A					
5	Cimarron XP (1/2 oz)											
	Ally PX	0.0188	lb ai/a	0.3	oz ai/a	POSPOS	A	78 ab	78 ab	54 a	48 a	98 a
	Crop Oil Conc	1	qt/a	1	qt/a	POSPOS	A					
6	Cimarron XP (1 oz)											
	Ally PX	0.0375	lb ai/a	0.6	oz ai/a	POSPOS	A	76 ab	76 ab	54 a	51 a	100 a
	Crop Oil Conc	1	qt/a	1	qt/a	POSPOS	A					
7	2,4-D Ester	1	lb ae/a	2	pt/a	POSPOS	A	35 c	39 c	23 d	5 c	55 a
	NIS	0.25	% v/v	0.25	% v/v	POSPOS	A					
8	Brash	1.94	lb ae/a	2	qt/a	POSPOS	A	83 a	83 a	36 c	6 c	58 a
LSD (P=.05)								18.7	19.0	13.1	8.2	35.3
Standard Deviation								12.7	12.9	8.9	5.6	24.0
CV								18.91	19.01	19.2	16.29	28.21
Grand Mean								67.31	67.78	46.47	34.06	85.09
Bartlett's X2								4.781	4.539	6.734	6.75	35.64
P(Bartlett's X2)								0.687	0.716	0.457	0.455	0.001*
Replicate F								1.528	1.055	1.673	2.198	0.028
Replicate Prob(F)								0.2365	0.3891	0.2033	0.1183	0.9935
Treatment F								5.686	4.755	7.747	43.928	2.299
Treatment Prob(F)								0.0009	0.0025	0.0001	0.0001	0.0661

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.

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Weed Code								RUMCR	TRFRE	PLASS	FESSS	RUMCR
Rating Data Type								Efficacy	Efficacy	Efficacy	Efficacy	Efficacy
Rating Unit								%	%	%	%	%
Rating Date								12/May/2005	12/May/2005	12/May/2005	12/May/2005	8/Jun/2005
Crop Stage												
Weed Stage												6-24"
Weed Density, Unit								40 YD2	20 YD2			0.8 YD2
Assessed By												EC
Trt-Eval Interval								27 DA-A	27 DA-A	27 DA-A	27 DA-A	54 DA-A
Trt	Treatment	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stq	Appl Code	6	7	8	9	10
1	Cimarron(1/16)/Glean(1/4)							100 a	100 a	98 a	38 b	98 a
	Ally PX	0.00234	lb ai/a	0.0375	oz ai/a	POSPOS	A					
	Glean PX	0.0117	lb ai/a	0.188	oz ai/a	POSPOS	A					
	Crop Oil Conc	1	qt/a	1	qt/a	POSPOS	A					
2	Cimarron(1/8)/Glean(1/2)							98 a	100 a	98 a	50 ab	93 a
	Ally PX	0.0047	lb ai/a	0.075	oz ai/a	POSPOS	A					
	Glean PX	0.0234	lb ai/a	0.375	oz ai/a	POSPOS	A					
	Crop Oil Conc	1	qt/a	1	qt/a	POSPOS	A					
3	Cimarron(1/4)/Glean(1.0)							100 a	100 a	100 a	50 ab	100 a
	Ally PX	0.0094	lb ai/a	0.15	oz ai/a	POSPOS	A					
	Glean PX	0.047	lb ai/a	0.75	oz ai/a	POSPOS	A					
	Crop Oil Conc	1	qt/a	1	qt/a	POSPOS	A					
4	Cimarron XP (1/4 oz)							100 a	100 a	98 a	34 b	100 a
	Ally PX	0.0094	lb ai/a	0.15	oz ai/a	POSPOS	A					
	Crop Oil Conc	1	qt/a	1	qt/a	POSPOS	A					
5	Cimarron XP (1/2 oz)							100 a	100 a	100 a	55 ab	100 a
	Ally PX	0.0188	lb ai/a	0.3	oz ai/a	POSPOS	A					
	Crop Oil Conc	1	qt/a	1	qt/a	POSPOS	A					
6	Cimarron XP (1 oz)							100 a	100 a	100 a	63 a	100 a
	Ally PX	0.0375	lb ai/a	0.6	oz ai/a	POSPOS	A					
	Crop Oil Conc	1	qt/a	1	qt/a	POSPOS	A					
7	2,4-D Ester	1	lb ae/a	2	pt/a	POSPOS	A	48 b	63 b	88 a	5 c	56 a
	NIS	0.25	% v/v	0.25	% v/v	POSPOS	A					
8	Brash	1.94	lb ae/a	2	qt/a	POSPOS	A	85 a	75 b	100 a	38 b	75 a
LSD (P=.05)								15.8	24.6	14.2	22.0	30.7
Standard Deviation								10.7	16.7	9.6	15.0	20.9
CV								11.78	18.17	9.88	36.19	23.19
Grand Mean								91.25	92.19	97.5	41.41	90.16
Bartlett's X2								7.522	0.164	13.016	19.225	12.634
P(Bartlett's X2)								0.023*	0.685	0.005*	0.008*	0.005*
Replicate F								0.649	1.289	0.538	3.603	0.450
Replicate Prob(F)								0.5920	0.3043	0.6611	0.0304	0.7201
Treatment F								11.753	3.143	0.769	5.577	2.388
Treatment Prob(F)								0.0001	0.0196	0.6192	0.0010	0.0579

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.

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Weed Code								SOLCA	FESSS
Rating Data Type								Efficacy	Efficacy
Rating Unit								%	%
Rating Date								8/Jun/2005	8/Jun/2005
Crop Stage									
Weed Stage								8-12"	12-36"
Weed Density, Unit								2-5 YD2	
Assessed By								EC	EC
Trt-Eval Interval								54 DA-A	54 DA-A
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stq	Appl Code	11	12
1	Cimarron(1/16)/Glean(1/4)								
	Ally PX	0.00234	lb ai/a	0.0375	oz ai/a	POSPOS	A	38 bc	16 b
	Glean PX	0.0117	lb ai/a	0.188	oz ai/a	POSPOS	A		
	Crop Oil Conc	1	qt/a	1	qt/a	POSPOS	A		
2	Cimarron(1/8)/Glean(1/2)							65 ab	39 a
	Ally PX	0.0047	lb ai/a	0.075	oz ai/a	POSPOS	A		
	Glean PX	0.0234	lb ai/a	0.375	oz ai/a	POSPOS	A		
	Crop Oil Conc	1	qt/a	1	qt/a	POSPOS	A		
3	Cimarron(1/4)/Glean(1.0)							85 a	50 a
	Ally PX	0.0094	lb ai/a	0.15	oz ai/a	POSPOS	A		
	Glean PX	0.047	lb ai/a	0.75	oz ai/a	POSPOS	A		
	Crop Oil Conc	1	qt/a	1	qt/a	POSPOS	A		
4	Cimarron XP (1/4 oz)							35 bc	3 b
	Ally PX	0.0094	lb ai/a	0.15	oz ai/a	POSPOS	A		
	Crop Oil Conc	1	qt/a	1	qt/a	POSPOS	A		
5	Cimarron XP (1/2 oz)							6 c	16 b
	Ally PX	0.0188	lb ai/a	0.3	oz ai/a	POSPOS	A		
	Crop Oil Conc	1	qt/a	1	qt/a	POSPOS	A		
6	Cimarron XP (1 oz)							36 bc	56 a
	Ally PX	0.0375	lb ai/a	0.6	oz ai/a	POSPOS	A		
	Crop Oil Conc	1	qt/a	1	qt/a	POSPOS	A		
7	2,4-D Ester	1	lb ae/a	2	pt/a	POSPOS	A	51 ab	1 b
	NIS	0.25	% v/v	0.25	% v/v	POSPOS	A		
8	Brash	1.94	lb ae/a	2	qt/a	POSPOS	A	79 a	0 b
LSD (P=.05)								38.2	22.1
Standard Deviation								26.0	15.0
CV								52.64	66.37
Grand Mean								49.38	22.66
Bartlett's X2								8.935	24.463
P(Bartlett's X2)								0.257	0.001*
Replicate F								3.287	3.054
Replicate Prob(F)								0.0408	0.0509
Treatment F								4.026	9.087
Treatment Prob(F)								0.0061	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.