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Roundup Ready Alfalfa System vs. Conventional - External

Trial ID: 06S-ACR-CTA-11
 Location: ACRE

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: West Lafayette	Trial Status: SETUP	
State/Prov.: Indiana		
Postal Code: 47906	Initiation Date: 29/Mar/2006	
Country: USA		

Directions: Trial is in the east half of field 55C.

COOPERATOR/LANDOWNER

Cooperator: Agronomy Center for Res. & Educ.	Country: USA
Org: Purdue University	Phone No: 765-463-2632
Address 1: 4540 U.S. 52 West	
City: West Lafayette	
State/Prov: IN	
Postal Code: 47906	

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

Objective: The objective of this study is to evaluate various weed management strategies in Roundup Ready alfalfa.

CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1.	AMASS	Amaranth	Amaranthus sp.
2.	CHEAL	Common lambsquarters	Chenopodium album
3.	ABUTH	Velvetleaf	Abutilon theophrasti

Crop 1: MEDSA ALFALFA	Variety: EXP RR ALFALFA
Planting Date: 13/Apr/2006	Planting Method: BROADCAST
Soil Moisture: NORMAL	Emergence Date: 23/May/2006

SITE AND DESIGN

Plot Width, Unit: 10 FT	Plot Length, Unit: 30 FT	Reps: 4
Site Type: FIELD		
Tillage Type: CONVENTIONAL-TILL	Study Design: RANDOMIZED COMPLETE BLOCK	

SOIL DESCRIPTION

% OM: 3.6
 pH: 7.0
 CEC: 19.5

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit
Potassium	165	ppm
Magnesium	815	ppm
Calcium	2450	ppm
Phosphorus	76	ppm-P

Closest Weather Station: Located on farm **Distance:** 0.25 **Unit:** MI

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APPLICATION DESCRIPTION

	A	B	C	D
Application Date:	13/Apr/2006	8/May/2006	14/May/2006	30/May/2006
Time of Day:	12:45PM	10:56AM	10:24AM	9:50AM
Application Method:	CO2Backpa	CO2Backpa	CO2Backpa	CO2Backpa
Application Timing:	PPI	2ndTrifol	4thTrifol	6-8Trifol
Applic. Placement:	Soil	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	78 F	74 F	70 F	82 F
% Relative Humidity:	30	25.5	90	75
Wind Velocity, Unit:	4 MPH	4 MPH	4 MPH	4.5 MPH
Dew Presence (Y/N):	N	N	Y	N
Water Hardness:	very hard	very hard	very hard	very hard
Soil Temp., Unit:	58 F	60 F	55 F	70 F
Soil Moisture:	Dry	Dry	Wet	Wet
% Cloud Cover:	75	10	2.5	5

CROP STAGE AT EACH APPLICATION

	A	B	C	D
Crop 1 Code, Stage:	MEDSA	MEDSA	MEDSA	MEDSA
Stage Scale:		2 trifol	3-4trifol	6-8trifol
Height, Unit:		1.5 IN	2.5 IN	6 IN

WEED STAGE AT EACH APPLICATION

	A	B	C	D
Weed 1 Code, Stage:	AMASS	AMASS	AMASS	AMASS
Stage Scale:		2 leaves	5 leaf	4-8leaf
Density, Unit:		2 FT2	3.5 FT2	4 FT2
Weed 2 Code, Stage:	CHEAL	CHEAL	CHEAL	CHEAL
Stage Scale:		cot-4leaf	6 leaves	4-8 leaf
Density, Unit:		2 FT2	2 FT2	2 FT2
Weed 3 Code, Stage:	ABUTH	ABUTH	ABUTH	ABUTH
Stage Scale:		2leaf 5in	2leaf	3leaf1-3"
Density, Unit:		1 FT2	1 FT2	1 FT2

APPLICATION EQUIPMENT

	A	B	C	D
Appl. Equipment:	Backpack	Backpack	Backpack	Backpack
Operating Pressure:	27 psi	27 psi	27 psi	27 psi
Nozzle Type:	XR	XR	XR	XR
Nozzle Size:	11002	11002	11002	11002
Nozzle Spacing, Unit:	20 IN	20 IN	20 IN	20 IN
Boom Length, Unit:	10 FT	10 FT	10 FT	10 FT
Boom Height, Unit:	20 IN	20 IN	20 IN	20 IN
Ground Speed, Unit:	3 MPH	3 MPH	3 MPH	3 MPH
Carrier:	H2O	H2O	H2O	H2O
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA	15 GPA
Propellant:	CO2	CO2	CO2	CO2

Trial Comments

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Trial ID: 06S-ACR-CTA-11
 Location: ACRE

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

Weed Code								MEDSA	MEDSA	MEDSA	MEDSA	MEDSA	MEDSA	
Crop Code								Cloros	GR	Chloro	GR	Chloro	GR	
Part Rated								Crop Injury	Crop Injury	Crop Injury	Crop Injury	Crop Injury	Crop Injury	
Rating Data Type								%	%	%	%	%	%	
Rating Unit								17/May/2006	17/May/2006	30/May/2006	30/May/2006	5/Jun/2006	5/Jun/2006	
Rating Date								3-4leaf	3-4leaf	5-8trifl	5-8trifo	8-10TRI	8-10TRI	
Crop Stage										5-7 in	5-7 in	6-8IN	6-8IN	
Crop Stage Scale														
Weed Stage														
Weed Density, Unit														
Footnote Number														
Assessed By								EC + JM	AM	VMD	VAM	AW+VM	AW=VM	
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	1	2	3	4	5	6
1	Untreated Check							101	0	0	0	0	0	0
								209	0	0	0	0	0	0
								305	0	0	0	0	0	0
								409	0	0	0	0	0	0
								Mean =	0	0	0	0	0	0
2	Roundup WeatherMAX	0.75	LB AE/A	21.3	FL OZ/A	2	Trifol B	102	0	0	0	10	0	5
	AMS	2	% W/W	2.5	LB/A	2	Trifol B	204	0	0	0	0	0	0
	Roundup WeatherMAX	0.75	LB AE/A	21.3	FL OZ/A	21	DAB C	303	0	0	0	0	0	0
	AMS	2	% W/W	2.5	LB/A	21	DAB C	406	0	0	0	0	0	0
								Mean =	0	0	0	3	0	1
3	Roundup WeatherMAX	1.5	LB AE/A	42.7	FL OZ/A	2	Trifol B	103	0	0	0	0	0	0
	AMS	2	% W/W	2.5	LB/A	2	Trifol B	206	0	0	0	0	0	0
	Roundup WeatherMAX	1.5	LB AE/A	42.7	FL OZ/A	21	DAB C	308	0	0	0	0	0	0
	AMS	2	% W/W	2.5	LB/A	21	DAB C	401	0	0	0	0	0	0
								Mean =	0	0	0	0	0	0
4	Roundup WeatherMAX	0.75	LB AE/A	21.3	FL OZ/A	3-4	Trif D	104	0	0	0	0	0	0
	AMS	2	% W/W	2.5	LB/A	3-4	Trif D	202	0	0	0	0	0	0
								307	0	0	0	0	0	0
								402	0	0	0	0	0	0
								Mean =	0	0	0	0	0	0
5	Roundup WeatherMAX	1.5	LB AE/A	42.7	FL OZ/A	3-4	Trif D	105	0	0	0	0	0	0
	AMS	2	% W/W	2.5	LB/A	3-4	Trif D	211	0	0	0	0	0	0
								304	5	0	0	0	0	0
								407	0	0	0	0	0	0
								Mean =	1	0	0	0	0	0
6	Balan EC	1.13	LB A/A	3	QT/A	PPI	A	106	0	20	0	25	0	13
	Butyrac 200	1	LB A/A	2	QT/A	2	Trifol B	208	0	10	0	0	0	0
								309	0	0	0	0	0	0
								411	0	0	0	0	0	0
								Mean =	0	8	0	6	0	3
7	Butyrac 200	1	LB A/A	2	QT/A	2	Trifol B	107	10	30	0	30	0	18
	Poast	0.382	LB A/A	1	QT/A	2	Trifol B	203	0	10	0	25	0	8
	COC	1.67	% V/V	1	QT/A	2	Trifol B	310	5	10	0	20	0	5
								403	5	10	0	8	0	3
								Mean =	5	15	0	21	0	9
8	Pursuit DG	0.063	LB A/A	1.44	OZ/A	2	Trifol B	108	5	10	0	20	0	18
	NIS	0.25	% V/V	0.25	% V/V	2	Trifol B	205	0	0	0	0	0	0
	AMS	2	% W/W	2.5	LB/A	2	Trifol B	306	5	5	0	0	0	0
								410	0	0	0	0	0	0
								Mean =	3	4	0	5	0	5
9	Pursuit DG	0.063	LB A/A	1.44	OZ/A	3-4	Trif D	109	0	0	0	0	0	10
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4	Trif D	210	0	0	0	5	0	3
	NIS	0.25	% V/V	0.25	% V/V	3-4	Trif D	302	0	10	0	25	0	3
	AMS	2	% W/W	2.5	LB/A	3-4	Trif D	408	0	0	0	0	0	0
								Mean =	0	3	0	8	0	4

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								MEDSA Cloros Crop Injury % 17/May/2006 3-4leaf	MEDSA GR Crop Injury % 17/May/2006 3-4leaf	MEDSA Chloro Crop Injury % 30/May/2006 5-8trifl 5-7 in	MEDSA GR Crop Injury % 30/May/2006 5-8trifo 5-7 in	MEDSA Chloro Crop Injury % 5/Jun/2006 8-10TRI 6-8IN	MEDSA GR Crop Injury % 5/Jun/2006 8-10TRI 6-8IN	
								EC + JM	AM	VMD	VAM	AW+VM	AW=VM	
Trt No.	Treatment Name	Rate	Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	1	2	3	4	5	6
10	Raptor	0.039	LB A/A	5	FL OZ/A	3-4 Trif	D	110	0	0	0	25	0	20
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D	201	0	0	0	10	0	5
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D	311	0	0	0	0	0	3
	AMS	2	% W/W	2.5	LB/A	3-4 Trif	D	404	0	0	0	8	0	4
								Mean =	0	0	0	11	0	8
11	Spring Seeded Oats					COVER	A	111	0	0	0	0	0	0
								207	0	0	0	0	0	0
								301	0	0	0	0	0	0
								405	0	0	0	0	0	0
								Mean =	0	0	0	0	0	0

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									MEDSA Chloro Crop Injury % 12/Jun/2006 16-20TRI 8-12IN	MEDSA GR Crop Injury % 12/Jun/2006 16-20TRI 8-12IN	MEDSA Chloro Crop Injury % 26/Jun/2006	MEDSA Stunt Crop Injury % 26/Jun/2006	CHEAL MEDSA CONTRO % 26/Jun/2006 8-18" 7.5 YD2	AMARE MEDSA CONTRO % 26/Jun/2006 8-18" 7.5 YD2
Assessed By									AW+VM	AW+VM	EC+GK	EC+GK	EC+GK	EC+GK
Trt No.	Treatment Name	Rate	Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	7	8	9	10	11	12
1	Untreated Check							101 209 305 409	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
								Mean =	0	0	0	0	0	0
2	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	2	Trifol B	102	0	0	0	5	100	80
		2	% W/W	2.5	LB/A	2	Trifol B	204	0	0	0	0	100	100
	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	21	DAB C	303	0	0	0	0	97	97
		2	% W/W	2.5	LB/A	21	DAB C	406	0	0	0	0	100	95
								Mean =	0	0	0	1	99	93
3	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	2	Trifol B	103	0	0	0	0	100	95
		2	% W/W	2.5	LB/A	2	Trifol B	206	0	0	0	0	100	95
	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	21	DAB C	308	0	0	0	0	100	100
		2	% W/W	2.5	LB/A	21	DAB C	401	0	0	0	10	100	20
								Mean =	0	0	0	3	100	78
4	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	3-4	Trif D	104	0	0	0	0	95	95
		2	% W/W	2.5	LB/A	3-4	Trif D	202	0	0	0	0	50	60
								307	0	0	0	0	85	85
								402	0	0	0	0	70	80
								Mean =	0	0	0	0	75	80
5	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	3-4	Trif D	105	0	0	0	0	95	95
		2	% W/W	2.5	LB/A	3-4	Trif D	211	0	0	0	0	95	95
								304	0	0	0	0	85	97
								407	0	0	0	0	95	95
								Mean =	0	0	0	0	93	96
6	Balan EC	1.13	LB A/A	3	QT/A	PPI	A	106	0	5	0	0	95	85
	Butyrac 200	1	LB A/A	2	QT/A	2	Trifol B	208	0	0	0	0	95	95
								309	0	0	0	0	97	95
								411	0	0	0	10	95	95
								Mean =	0	1	0	3	96	93
7	Butyrac 200	1	LB A/A	2	QT/A	2	Trifol B	107	0	5	0	5	90	95
	Poast	0.382	LB A/A	1	QT/A	2	Trifol B	203	0	3	0	0	25	75
	COC	1.67	% V/V	1	QT/A	2	Trifol B	310	0	0	0	0	80	80
								403	0	0	0	0	83	87
								Mean =	0	2	0	1	70	84
8	Pursuit DG	0.063	LB A/A	1.44	OZ/A	2	Trifol B	108	0	0	0	5	100	100
	NIS	0.25	% V/V	0.25	% V/V	2	Trifol B	205	0	0	0	0	100	100
	AMS	2	% W/W	2.5	LB/A	2	Trifol B	306	0	0	0	0	98	100
								410	0	0	0	0	98	100
								Mean =	0	0	0	1	99	100
9	Pursuit DG	0.063	LB A/A	1.44	OZ/A	3-4	Trif D	109	0	0	0	0	100	100
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4	Trif D	210	0	0	0	0	100	100
	NIS	0.25	% V/V	0.25	% V/V	3-4	Trif D	302	0	0	0	0	100	100
	AMS	2	% W/W	2.5	LB/A	3-4	Trif D	408	0	0	0	0	100	100
								Mean =	0	0	0	0	100	100

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									MEDSA Chloro Crop Injury %	MEDSA GR Crop Injury %	MEDSA Chloro Crop Injury %	MEDSA Stunt Crop Injury %	CHEAL MEDSA CONTRO %	AMARE MEDSA CONTRO %
									12/Jun/2006 16-20TRI 8-12IN	12/Jun/2006 16-20TRI 8-12IN	26/Jun/2006	26/Jun/2006	26/Jun/2006 8-18" 7.5 YD2	26/Jun/2006 8-18" 7.5 YD2
Assessed By									AW+VM	AW+VM	EC+GK	EC+GK	EC+GK	EC+GK
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	7	8	9	10	11	12
10	Raptor	0.039	LB A/A	5	FL OZ/A	3-4 Trif	D	110	0	5	0	5	100	100
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D	201	0	0	0	5	100	98
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D	311	0	0	0	0	100	100
	AMS	2	% W/W	2.5	LB/A	3-4 Trif	D	404	0	0	0	0	100	100
								Mean =	0	1	0	3	100	100
11	Spring Seeded Oats					COVER	A	111	0	0	0	0	95	95
								207	0	0	0	0	.	.
								301	0	0	0	0	80	100
								405	0	0	0	0	50	95
								Mean =	0	0	0	0	75	97

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								SETFA MEDSA	ABUTH MEDSA	MEDSA FORAGE C WEIFRE	MEDSA FORAGE C WEIDRY	T. Weeds	T. Weeds	
								CONTRO %	CONTRO %	G	G	WEIFRE G	WEIDRY G	
								26/Jun/2006	26/Jun/2006	10/Jul/2006 Harvest1	10/Jul/2006 Harvest1	10/Jul/2006 Harvest1	10/Jul/2006 Harvest1	
								1-2FT 1 YD2	8-14" 1 YD2					
								EC+GK	EC+GK	1	1	1	1	
Tri	Treatment	Rate	Unit	Product	Product	Grow	Appl	Plot	13	14	15	16	17	18
No.	Name	Rate	Unit	Rate	Rate	Unit	Code	Plot						
1	Untreated Check							101	0	0	123	31	500	112
								209	0	0	281	80	309	69
								305	0	0	177	46	383	79
								409	0	0	160	46	315	67
								Mean =	0	0	185	51	377	82
2	Roundup WeatherMAX	0.75	LB AE/A	21.3	FL OZ/A	2	Trifol B	102	95	90	427	118	5	1
	AMS	2	% W/W	2.5	LB/A	2	Trifol B	204	100	100	398	111	0	0
	Roundup WeatherMAX	0.75	LB AE/A	21.3	FL OZ/A	21	DAB C	303	100	80	509	132	4	3
	AMS	2	% W/W	2.5	LB/A	21	DAB C	406	100	97	379	104	1	1
								Mean =	99	92	428	116	3	1
3	Roundup WeatherMAX	1.5	LB AE/A	42.7	FL OZ/A	2	Trifol B	103	100	100	361	94	17	3
	AMS	2	% W/W	2.5	LB/A	2	Trifol B	206	95	98	304	81	5	1
	Roundup WeatherMAX	1.5	LB AE/A	42.7	FL OZ/A	21	DAB C	308	100	100	419	106	2	1
	AMS	2	% W/W	2.5	LB/A	21	DAB C	401	90	100	275	84	70	15
								Mean =	96	100	340	91	24	5
4	Roundup WeatherMAX	0.75	LB AE/A	21.3	FL OZ/A	3-4	Trif D	104	95	95	365	96	89	15
	AMS	2	% W/W	2.5	LB/A	3-4	Trif D	202	95	90	316	86	123	27
								307	95	80	404	106	32	7
								402	85	80	234	66	43	9
								Mean =	93	86	330	89	72	14
5	Roundup WeatherMAX	1.5	LB AE/A	42.7	FL OZ/A	3-4	Trif D	105	90	95	304	83	14	3
	AMS	2	% W/W	2.5	LB/A	3-4	Trif D	211	95	95	388	105	9	3
								304	100	95	493	122	106	19
								407	95	95	314	88	20	4
								Mean =	95	95	375	100	37	7
6	Balan EC	1.13	LB A/A	3	QT/A	PPI	A	106	95	100	305	84	88	16
	Butyrac 200	1	LB A/A	2	QT/A	2	Trifol B	208	100	95	319	87	138	27
								309	95	100	368	105	17	4
								411	95	95	333	95	32	7
								Mean =	96	98	331	93	69	13
7	Butyrac 200	1	LB A/A	2	QT/A	2	Trifol B	107	95	100	340	94	70	12
	Poast	0.382	LB A/A	1	QT/A	2	Trifol B	203	90	0	262	71	225	47
	COC	1.67	% V/V	1	QT/A	2	Trifol B	310	100	95	297	83	40	7
								403	85	80	343	96	47	9
								Mean =	93	69	311	86	96	19
8	Pursuit DG	0.063	LB A/A	1.44	OZ/A	2	Trifol B	108	97	100	353	104	0	0
	NIS	0.25	% V/V	0.25	% V/V	2	Trifol B	205	100	100	367	97	1	0
	AMS	2	% W/W	2.5	LB/A	2	Trifol B	306	100	100	356	94	6	2
								410	100	100	387	107	0	0
								Mean =	99	100	366	101	2	0
9	Pursuit DG	0.063	LB A/A	1.44	OZ/A	3-4	Trif D	109	100	100	350	111	0	0
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4	Trif D	210	100	100	385	106	0	0
	NIS	0.25	% V/V	0.25	% V/V	3-4	Trif D	302	100	100	292	91	0	0
	AMS	2	% W/W	2.5	LB/A	3-4	Trif D	408	100	100	364	104	0	0
								Mean =	100	100	348	103	0	0

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Weed Code									SETFA	ABUTH	MEDSA	MEDSA	T. Weeds	T. Weeds
Crop Code									MEDSA	MEDSA	FORAGE C	FORAGE C		
Part Rated											WEIFRE	WEIDRY	WEIFRE	WEIDRY
Rating Data Type									CONTRO	CONTRO	G	G	G	G
Rating Unit									%	%				
Rating Date									26/Jun/2006	26/Jun/2006	10/Jul/2006	10/Jul/2006	10/Jul/2006	10/Jul/2006
Crop Stage											Harvest1	Harvest1	Harvest1	Harvest1
Crop Stage Scale														
Weed Stage									1-2FT	8-14"				
Weed Density, Unit									1 YD2	1 YD2				
Footnote Number											1	1	1	1
Assessed By									EC+GK	EC+GK				
Trt No.	Treatment Name	Rate	Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	13	14	15	16	17	18
10	Raptor	0.039	LB A/A	5	FL OZ/A	3-4 Trif	D	110	85	100	263	77	3	1
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D	201	100	90	348	98	2	1
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D	311	100	100	186	51	0	0
	AMS	2	% W/W	2.5	LB/A	3-4 Trif	D	404	100	100	333	93	1	1
								Mean =	96	98	283	80	2	1
11	Spring Seeded Oats					COVER	A	111	90	100	9	2	4	1
								207	.	.	145	41	1	0
								301	100	100	43	13	11	3
								405	95	100	30	9	8	2
								Mean =	95	100	57	16	6	2

Column 15 Footnote: er 4 square foot
 Column 16 Footnote: er 4 square foot
 Column 17 Footnote: er 4 square foot
 Column 18 Footnote: er 4 square foot

Purdue University

Weed Code								AVESA	MEDSA	MEDSA	T Weed +	MEDSA	AVESA	
Crop Code								FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C	
Part Rated								WEIDRY	COUSTEM	COUSTEM	WEIDRY	DRYCOM	DRYCOM	
Rating Data Type								G	NUMBER	NUMBER	G	%	%	
Rating Unit								10/Jul/2006	10/Jul/2006	10/Jul/2006	10/Jul/2006	10/Jul/2006	10/Jul/2006	
Rating Date								Harvest1	Harvest1	Harvest1	Harvest1	Harvest1	Harvest1	
Crop Stage														
Crop Stage Scale														
Weed Stage														
Weed Density, Unit														
Footnote Number														
Assessed By								1	1	2	1			
Trt No.	Treatment Name	Rate	Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	19	20	21	22	23	24
1	Untreated Check							101	0	87	22	143	22	0
								209	0	130	33	149	54	0
								305	0	106	27	125	37	0
								409	0	95	24	113	41	0
								Mean =	0	105	26	133	38	0
2	Roundup WeatherMAX	0.75	LB AE/A	21.3	FL OZ/A	2	Trifol B	102	0	188	47	119	99	0
	AMS	2	% W/W	2.5	LB/A	2	Trifol B	204	0	185	46	111	100	0
	Roundup WeatherMAX	0.75	LB AE/A	21.3	FL OZ/A	21	DAB C	303	0	248	62	135	98	0
	AMS	2	% W/W	2.5	LB/A	21	DAB C	406	0	156	39	105	99	0
								Mean =	0	194	49	118	99	0
3	Roundup WeatherMAX	1.5	LB AE/A	42.7	FL OZ/A	2	Trifol B	103	0	224	56	97	97	0
	AMS	2	% W/W	2.5	LB/A	2	Trifol B	206	0	126	32	82	99	0
	Roundup WeatherMAX	1.5	LB AE/A	42.7	FL OZ/A	21	DAB C	308	0	208	52	107	100	0
	AMS	2	% W/W	2.5	LB/A	21	DAB C	401	0	112	28	99	85	0
								Mean =	0	168	42	96	95	0
4	Roundup WeatherMAX	0.75	LB AE/A	21.3	FL OZ/A	3-4	Trif D	104	0	182	46	111	86	0
	AMS	2	% W/W	2.5	LB/A	3-4	Trif D	202	0	135	34	113	76	0
								307	0	191	48	113	94	0
								402	0	164	41	75	88	0
								Mean =	0	168	42	103	86	0
5	Roundup WeatherMAX	1.5	LB AE/A	42.7	FL OZ/A	3-4	Trif D	105	0	150	38	86	96	0
	AMS	2	% W/W	2.5	LB/A	3-4	Trif D	211	0	206	52	108	98	0
								304	0	186	47	141	87	0
								407	0	147	37	92	96	0
								Mean =	0	172	43	107	94	0
6	Balan EC	1.13	LB A/A	3	QT/A	PPI	A	106	0	151	38	100	84	0
	Butyrac 200	1	LB A/A	2	QT/A	2	Trifol B	208	0	182	46	114	76	0
								309	0	130	33	109	97	0
								411	0	204	51	102	93	0
								Mean =	0	167	42	106	88	0
7	Butyrac 200	1	LB A/A	2	QT/A	2	Trifol B	107	0	175	44	106	89	0
	Poast	0.382	LB A/A	1	QT/A	2	Trifol B	203	0	139	35	118	60	0
	COC	1.67	% V/V	1	QT/A	2	Trifol B	310	0	133	33	90	92	0
								403	0	151	38	105	92	0
								Mean =	0	150	37	105	83	0
8	Pursuit DG	0.063	LB A/A	1.44	OZ/A	2	Trifol B	108	0	169	42	104	100	0
	NIS	0.25	% V/V	0.25	% V/V	2	Trifol B	205	0	90	23	97	100	0
	AMS	2	% W/W	2.5	LB/A	2	Trifol B	306	0	150	38	96	98	0
								410	0	152	38	107	100	0
								Mean =	0	140	35	101	99	0
9	Pursuit DG	0.063	LB A/A	1.44	OZ/A	3-4	Trif D	109	0	130	33	111	100	0
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4	Trif D	210	0	133	33	106	100	0
	NIS	0.25	% V/V	0.25	% V/V	3-4	Trif D	302	0	121	30	91	100	0
	AMS	2	% W/W	2.5	LB/A	3-4	Trif D	408	0	143	36	104	100	0
								Mean =	0	132	33	103	100	0

Purdue University

Weed Code								AVESA	MEDSA	MEDSA	T Weed +	MEDSA	AVESA	
Crop Code								FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C	
Part Rated								WEIDRY	COUSTEM	COUSTEM	WEIDRY	DRYCOM	DRYCOM	
Rating Data Type								G	NUMBER	NUMBER	G	%	%	
Rating Unit														
Rating Date								10/Jul/2006	10/Jul/2006	10/Jul/2006	10/Jul/2006	10/Jul/2006	10/Jul/2006	
Crop Stage								Harvest1	Harvest1	Harvest1	Harvest1	Harvest1	Harvest1	
Crop Stage Scale														
Weed Stage														
Weed Density, Unit														
Footnote Number								1	1	2	1			
Assessed By														
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	19	20	21	22	23	24
10	Raptor	0.039	LB A/A	5	FL OZ/A	3-4 Trif	D	110	0	126	32	78	99	0
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D	201	0	158	40	99	100	0
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D	311	0	76	19	51	100	0
	AMS	2	% W/W	2.5	LB/A	3-4 Trif	D	404	0	162	41	94	99	0
								Mean =	0	131	33	80	99	0
11	Spring Seeded Oats					COVER	A	111	194	18	5	197	1	99
								207	147	108	27	188	22	78
								301	151	33	8	167	8	90
								405	227	52	13	238	4	95
								Mean =	180	53	13	198	9	91

Column 19 Footnote: er 4 square foot
 Column 20 Footnote: er 4 square foot
 Column 21 Footnote: per square foot
 Column 22 Footnote: er 4 square foot

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Weed Code								FORAGE C	MEDSA	MEDSA	MEDSA	MEDSA	MEDSA	
Crop Code								WEIDRY	FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C	
Part Rated								%	WEIPLT	WEIPLT	WEIWET	WEIDRY	DRYMAT	
Rating Data Type									KG	TARE	G	G	%	
Rating Unit								10/Jul/2006	10/Jul/2006	10/Jul/2006	10/Jul/2006	10/Jul/2006	10/Jul/2006	
Rating Date								Harvest1	Harvest1	Harvest1	Harvest1	Harvest1	Harvest1	
Crop Stage														
Crop Stage Scale														
Weed Stage														
Weed Density, Unit														
Footnote Number									3	3				
Assessed By														
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	25	26	27	28	29	30
1	Untreated Check							101 209 305 409	78 46 63 59	9 7 8 8	7 6 6 6	380 354 328 314	95 98 85 82	0 0 0 0
								Mean =	62	8	6	344	90	0
2	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	2	Trifol B	102	1	6	4	375	114	0
		2	% W/W	2.5	LB/A	2	Trifol B	204	0	8	6	354	96	0
	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	21	DAB C	303	2	8	6	498	108	0
		2	% W/W	2.5	LB/A	21	DAB C	406	1	6	4	498	122	0
								Mean =	1	7	5	431	110	0
3	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	2	Trifol B	103	4	7	5	351	90	0
		2	% W/W	2.5	LB/A	2	Trifol B	206	1	7	5	340	91	0
	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	21	DAB C	308	1	7	5	345	93	0
		2	% W/W	2.5	LB/A	21	DAB C	401	15	6	4	385	115	0
								Mean =	5	7	5	355	97	0
4	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	3-4	Trif D	104	14	7	5	317	86	0
		2	% W/W	2.5	LB/A	3-4	Trif D	202	24	8	6	364	97	0
								307	6	7	5	330	88	0
								402	12	6	4	378	118	0
								Mean =	14	7	5	347	97	0
5	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	3-4	Trif D	105	4	7	5	330	84	0
		2	% W/W	2.5	LB/A	3-4	Trif D	211	2	6	4	360	113	0
								304	14	7	5	402	103	0
								407	5	6	5	372	98	0
								Mean =	6	7	5	366	100	0
6	Balan EC	1.13	LB A/A	3	QT/A	PPI	A	106	16	7	5	362	93	0
	Butyrac 200	1	LB A/A	2	QT/A	2	Trifol B	208	24	7	5	317	87	0
								309	3	6	4	339	104	0
								411	7	6	4	360	100	0
								Mean =	12	6	4	345	96	0
7	Butyrac 200	1	LB A/A	2	QT/A	2	Trifol B	107	11	6	5	340	87	0
	Poast	0.382	LB A/A	1	QT/A	2	Trifol B	203	40	7	5	384	105	0
	COC	1.67	% V/V	1	QT/A	2	Trifol B	310	8	6	4	372	107	0
								403	8	7	5	355	103	0
								Mean =	17	6	5	363	101	0
8	Pursuit DG	0.063	LB A/A	1.44	OZ/A	2	Trifol B	108	0	5	4	370	116	0
	NIS	0.25	% V/V	0.25	% V/V	2	Trifol B	205	0	7	5	338	93	0
	AMS	2	% W/W	2.5	LB/A	2	Trifol B	306	2	7	5	321	92	0
								410	0	6	4	345	104	0
								Mean =	1	6	5	344	101	0
9	Pursuit DG	0.063	LB A/A	1.44	OZ/A	3-4	Trif D	109	0	4	3	375	133	0
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4	Trif D	210	0	6	4	340	103	0
	NIS	0.25	% V/V	0.25	% V/V	3-4	Trif D	302	0	5	3	379	134	0
	AMS	2	% W/W	2.5	LB/A	3-4	Trif D	408	0	7	5	346	95	0
								Mean =	0	5	4	360	116	0

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Weed Code										FORAGE C	MEDSA	MEDSA	MEDSA	MEDSA	MEDSA
Crop Code										WEIDRY	FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C
Part Rated											WEIPLT	WEIPLT	WEIWET	WEIDRY	DRYMAT
Rating Data Type										%	KG	TARE	G	G	%
Rating Unit															
Rating Date										10/Jul/2006	10/Jul/2006	10/Jul/2006	10/Jul/2006	10/Jul/2006	10/Jul/2006
Crop Stage										Harvest1	Harvest1	Harvest1	Harvest1	Harvest1	Harvest1
Crop Stage Scale															
Weed Stage															
Weed Density, Unit															
Footnote Number											3	3			
Assessed By															
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot		25	26	27	28	29	30
10	Raptor	0.039	LB A/A	5	FL OZ/A	3-4 Trif	D	110		1	5	3	493	133	0
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D	201		1	4	3	380	131	0
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D	311		0	6	4	402	116	0
	AMS	2	% W/W	2.5	LB/A	3-4 Trif	D	404		1	6	5	342	102	0
								Mean =		1	5	4	404	121	0
11	Spring Seeded Oats					COVER	A	111		1	6	4	390	141	0
								207		0	7	6	395	112	0
								301		2	6	4	387	145	0
								405		1	7	6	365	125	0
								Mean =		1	7	5	384	131	0

Column 26 Footnote: Total plot harvest was 0.00113 acre.

Column 27 Footnote: Total plot harvest was 0.00113 acre.

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Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date Crop Stage Crop Stage Scale Weed Stage Weed Density, Unit Footnote Number Assessed By								MEDSA FORAGE C YIELD Ton/ACRE 10/Jul/2006 Harvest1	MEDSA FORAGE C CP 10/Jul/2006 Harvest1	MEDSA FORAGE C ADF 10/Jul/2006 Harvest1	MEDSA FORAGE C NDF 10/Jul/2006 Harvest1	MEDSA FORAGE C ADL 10/Jul/2006 Harvest1	MEDSA FORAGE C IVTD 10/Jul/2006 Harvest1	
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	31	32	33	34	35	36
1	Untreated Check							101 209 305 409	2 2 1 2	15 17 15 17	27 23 25 22	33 28 30 28	7 5 6 5	87 88 88 88
								Mean =	2	16	24	30	6	88
2	Roundup WeatherMAX AMS	0.75 2	LB AE/A % W/W	21.3 2.5	FL OZ/A LB/A	2 2	Trifol B Trifol B	102 204	1 2	16 19	24 28	30 34	6 7	84 80
	Roundup WeatherMAX AMS	0.75 2	LB AE/A % W/W	21.3 2.5	FL OZ/A LB/A	21 21	DAB C DAB C	303 406	1 1	19 18	28 23	33 29	7 6	81 83
								Mean =	1	18	26	31	6	82
3	Roundup WeatherMAX AMS	1.5 2	LB AE/A % W/W	42.7 2.5	FL OZ/A LB/A	2 2	Trifol B Trifol B	103 206	1 1	19 20	28 26	34 31	7 6	81 81
	Roundup WeatherMAX AMS	1.5 2	LB AE/A % W/W	42.7 2.5	FL OZ/A LB/A	21 21	DAB C DAB C	308 401	1 1	19 17	24 24	29 30	5 6	83 85
								Mean =	1	19	25	31	6	83
4	Roundup WeatherMAX AMS	0.75 2	LB AE/A % W/W	21.3 2.5	FL OZ/A LB/A	3-4 3-4	Trif D Trif D	104 202 307 402	1 2 1 1	19 18 20 18	25 28 25 25	30 34 29 31	6 7 6 6	84 82 84 83
								Mean =	1	19	26	31	6	83
5	Roundup WeatherMAX AMS	1.5 2	LB AE/A % W/W	42.7 2.5	FL OZ/A LB/A	3-4 3-4	Trif D Trif D	105 211 304 407	1 1 1 1	19 20 20 20	25 22 26 26	30 27 31 31	6 5 6 6	84 84 83 82
								Mean =	1	20	25	30	6	83
6	Balan EC Butyrac 200	1.13 1	LB A/A LB A/A	3 2	QT/A QT/A	PPI 2	A Trifol B	106 208 309 411	1 1 1 1	18 19 18 20	23 23 22 23	29 28 28 28	6 6 5 5	86 85 84 85
								Mean =	1	19	23	28	5	85
7	Butyrac 200 Poast COC	1 0.382 1.67	LB A/A LB A/A % V/V	2 1 1	QT/A QT/A QT/A	2 2 2	Trifol B Trifol B Trifol B	107 203 310 403	1 1 1 1	20 17 19 19	23 27 22 24	28 32 27 30	5 7 5 6	86 84 85 84
								Mean =	1	19	24	29	6	85
8	Pursuit DG NIS AMS	0.063 0.25 2	LB A/A % V/V % W/W	1.44 0.25 2.5	OZ/A % V/V LB/A	2 2 2	Trifol B Trifol B Trifol B	108 205 306 410	1 1 1 1	18 20 20 19	21 26 25 22	28 31 29 28	5 6 6 5	84 81 82 84
								Mean =	1	19	24	29	6	83
9	Pursuit DG Roundup Original Max (ae) NIS AMS	0.063 1.5 0.25 2	LB A/A LB AE/A % V/V % W/W	1.44 42.7 0.25 2.5	OZ/A FL OZ/A % V/V LB/A	3-4 3-4 3-4 3-4	Trif D Trif D Trif D Trif D	109 210 302 408	1 1 1 1	16 19 17 20	20 22 29 24	27 28 35 29	5 5 8 6	84 84 79 84
								Mean =	1	18	24	29	6	83

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Weed Code									MEDSA	MEDSA	MEDSA	MEDSA	MEDSA	MEDSA
Crop Code									FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C
Part Rated									YIELD	CP	ADF	NDF	ADL	IVTD
Rating Data Type									Ton/ACRE	10/Jul/2006	10/Jul/2006	10/Jul/2006	10/Jul/2006	10/Jul/2006
Rating Unit									Harvest1	Harvest1	Harvest1	Harvest1	Harvest1	Harvest1
Rating Date														
Crop Stage														
Crop Stage Scale														
Weed Stage														
Weed Density, Unit														
Footnote Number														
Assessed By														
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	31	32	33	34	35	36
10	Raptor	0.039	LB A/A	5	FL OZ/A	3-4 Trif	D	110	1	17	21	27	5	85
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D	201	1	17	27	33	7	81
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D	311	1	19	22	27	5	84
	AMS	2	% W/W	2.5	LB/A	3-4 Trif	D	404	1	19	25	30	6	82
								Mean =	1	18	24	29	6	83
11	Spring Seeded Oats					COVER	A	111	1	10	37	47	9	73
								207	2	18	29	35	7	80
								301	1	6	44	54	11	70
								405	2	9	38	47	9	73
								Mean =	2	11	37	46	9	74

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Weed Code								MEDSA	MEDSA	MEDSA	MEDSA	MEDSA	MEDSA	
Crop Code								FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C	
Part Rated								NDFD	TDN	RFV	RFQ	ASH	Milk/T	
Rating Data Type														
Rating Unit														
Rating Date								10/Jul/2006	10/Jul/2006	10/Jul/2006	10/Jul/2006	10/Jul/2006	10/Jul/2006	
Crop Stage								Harvest1	Harvest1	Harvest1	Harvest1	Harvest1	Harvest1	
Crop Stage Scale														
Weed Stage														
Weed Density, Unit														
Footnote Number														
Assessed By														
Tri	Treatment	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	37	38	39	40	41	42
1	Untreated Check							101	50	62	192	192	15	2911
								209	55	67	232	245	13	3312
								305	51	65	220	222	14	3102
								409	58	70	243	268	12	3560
								Mean =	54	66	222	232	13	3221
2	Roundup WeatherMAX	0.75	LB AE/A	21.3	FL OZ/A	2	Trifol B	102	57	68	216	237	11	3410
	AMS	2	% W/W	2.5	LB/A	2	Trifol B	204	50	64	185	193	12	3121
	Roundup WeatherMAX	0.75	LB AE/A	21.3	FL OZ/A	21	DAB C	303	51	64	190	198	13	3119
	AMS	2	% W/W	2.5	LB/A	21	DAB C	406	57	69	230	253	11	3511
								Mean =	54	66	205	220	12	3290
3	Roundup WeatherMAX	1.5	LB AE/A	42.7	FL OZ/A	2	Trifol B	103	52	65	186	198	12	3172
	AMS	2	% W/W	2.5	LB/A	2	Trifol B	206	53	66	208	223	12	3304
	Roundup WeatherMAX	1.5	LB AE/A	42.7	FL OZ/A	21	DAB C	308	58	70	225	255	11	3581
	AMS	2	% W/W	2.5	LB/A	21	DAB C	401	55	68	223	242	11	3448
								Mean =	55	67	211	230	11	3376
4	Roundup WeatherMAX	0.75	LB AE/A	21.3	FL OZ/A	3-4	Trif D	104	56	67	215	233	12	3374
	AMS	2	% W/W	2.5	LB/A	3-4	Trif D	202	49	63	186	188	13	2998
								307	57	67	223	243	13	3385
								402	53	67	211	226	12	3324
								Mean =	54	66	209	223	12	3270
5	Roundup WeatherMAX	1.5	LB AE/A	42.7	FL OZ/A	3-4	Trif D	105	56	67	216	237	12	3408
	AMS	2	% W/W	2.5	LB/A	3-4	Trif D	211	59	72	248	280	10	3707
								304	53	66	207	219	12	3260
								407	54	66	206	220	13	3259
								Mean =	55	68	219	239	12	3409
6	Balan EC	1.13	LB A/A	3	QT/A	PPI	A	106	58	69	225	249	12	3494
	Butyrac 200	1	LB A/A	2	QT/A	2	Trifol B	208	58	69	232	258	12	3532
								309	57	70	236	262	10	3601
								411	58	70	238	267	10	3629
								Mean =	58	70	233	259	11	3564
7	Butyrac 200	1	LB A/A	2	QT/A	2	Trifol B	107	61	70	239	270	12	3603
	Poast	0.382	LB A/A	1	QT/A	2	Trifol B	203	50	63	196	199	13	3060
	COC	1.67	% V/V	1	QT/A	2	Trifol B	310	59	71	245	278	10	3688
								403	56	67	218	235	13	3349
								Mean =	56	68	225	246	12	3425
8	Pursuit DG	0.063	LB A/A	1.44	OZ/A	2	Trifol B	108	60	72	244	280	9	3776
	NIS	0.25	% V/V	0.25	% V/V	2	Trifol B	205	53	66	204	218	12	3271
	AMS	2	% W/W	2.5	LB/A	2	Trifol B	306	55	68	220	239	12	3409
								410	60	71	242	274	11	3650
								Mean =	57	69	228	253	11	3527
9	Pursuit DG	0.063	LB A/A	1.44	OZ/A	3-4	Trif D	109	61	72	253	288	10	3739
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4	Trif D	210	58	71	242	271	10	3637
	NIS	0.25	% V/V	0.25	% V/V	3-4	Trif D	302	46	62	176	174	12	2900
	AMS	2	% W/W	2.5	LB/A	3-4	Trif D	408	55	69	230	251	11	3508
								Mean =	55	68	225	246	11	3446

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Weed Code									MEDSA	MEDSA	MEDSA	MEDSA	MEDSA	MEDSA
Crop Code									FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C
Part Rated									NDFD	TDN	RFV	RFQ	ASH	Milk/T
Rating Data Type														
Rating Unit														
Rating Date									10/Jul/2006	10/Jul/2006	10/Jul/2006	10/Jul/2006	10/Jul/2006	10/Jul/2006
Crop Stage									Harvest1	Harvest1	Harvest1	Harvest1	Harvest1	Harvest1
Crop Stage Scale														
Weed Stage														
Weed Density, Unit														
Footnote Number														
Assessed By														
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	37	38	39	40	41	42
10	Raptor	0.039	LB A/A	5	FL OZ/A	3-4 Trif	D	110	62	71	249	283	11	3685
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D	201	49	64	191	196	12	3114
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D	311	59	72	249	283	10	3731
	AMS	2	% W/W	2.5	LB/A	3-4 Trif	D	404	53	68	219	236	11	3404
								Mean =	56	69	227	250	11	3484
11	Spring Seeded Oats					COVER	A	111	46	60	120	126	9	2704
								207	49	63	174	181	12	3054
								301	43	53	93	92	10	2189
								405	45	58	117	121	9	2610
								Mean =	46	59	126	130	10	2639

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Weed Code									MEDSA	SETFA	AMARE	CHEAL	MEDSA	MEDSA
Crop Code									FORAGE C	MEDSA	MEDSA	MEDSA	FORAGE C	FORAGE C
Part Rated													WEIFRE	WEIDRY
Rating Data Type													G	G
Rating Unit														
Rating Date									16/Aug/2006	16/Aug/2006	16/Aug/2006	16/Aug/2006	16/Aug/2006	16/Aug/2006
Crop Stage									10% Bloo	10% Bloo	10% Bloo	10% Bloo	Harvest2	Harvest2
Crop Stage Scale									12-28"	12-28"	12-28"	12-28"		
Weed Stage										24-36"	18-36"	24-36"		
Weed Density, Unit										10 YD2	10 YD2	7 YD2		
Footnote Number													1	1
Assessed By									VMD + GK	VMD + GK	VMD + GK	VMD + GK		
Trt No.	Treatment Name	Rate	Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	43	44	45	46	47	48
1	Untreated Check							101	0	0	0	0	388	68
								209	0	0	0	0	392	83
								305	0	0	0	0	584	125
								409	0	0	0	0	367	77
								Mean =	0	0	0	0	433	88
2	Roundup WeatherMAX	0.75	LB AE/A	21.3	FL OZ/A	2	Trifol B	102	0	80	20	90	653	136
	AMS	2	% W/W	2.5	LB/A	2	Trifol B	204	0	95	95	100	701	153
	Roundup WeatherMAX	0.75	LB AE/A	21.3	FL OZ/A	21	DAB C	303	0	100	95	95	646	130
	AMS	2	% W/W	2.5	LB/A	21	DAB C	406	0	95	80	100	542	118
								Mean =	0	93	73	96	636	134
3	Roundup WeatherMAX	1.5	LB AE/A	42.7	FL OZ/A	2	Trifol B	103	0	90	80	100	656	125
	AMS	2	% W/W	2.5	LB/A	2	Trifol B	206	0	80	80	100	560	117
	Roundup WeatherMAX	1.5	LB AE/A	42.7	FL OZ/A	21	DAB C	308	0	98	93	100	562	133
	AMS	2	% W/W	2.5	LB/A	21	DAB C	401	0	70	0	95	362	76
								Mean =	0	85	63	99	535	113
4	Roundup WeatherMAX	0.75	LB AE/A	21.3	FL OZ/A	3-4	Trif D	104	0	70	60	100	651	128
	AMS	2	% W/W	2.5	LB/A	3-4	Trif D	202	0	90	40	85	632	126
								307	0	90	80	95	485	106
								402	0	90	80	93	478	118
								Mean =	0	85	65	93	562	120
5	Roundup WeatherMAX	1.5	LB AE/A	42.7	FL OZ/A	3-4	Trif D	105	0	25	30	100	559	109
	AMS	2	% W/W	2.5	LB/A	3-4	Trif D	211	0	80	65	95	686	162
								304	0	98	90	93	596	126
								407	0	95	88	100	581	123
								Mean =	0	75	68	97	606	130
6	Balan EC	1.13	LB A/A	3	QT/A	PPI	A	106	0	80	25	90	558	112
	Butyrac 200	1	LB A/A	2	QT/A	2	Trifol B	208	0	98	95	95	594	161
								309	0	98	88	88	648	133
								411	0	95	83	100	491	109
								Mean =	0	93	73	93	573	129
7	Butyrac 200	1	LB A/A	2	QT/A	2	Trifol B	107	0	20	10	78	562	118
	Poast	0.382	LB A/A	1	QT/A	2	Trifol B	203	0	75	0	60	360	73
	COC	1.67	% V/V	1	QT/A	2	Trifol B	310	0	90	63	100	526	117
								403	0	90	85	100	447	99
								Mean =	0	69	40	85	474	102
8	Pursuit DG	0.063	LB A/A	1.44	OZ/A	2	Trifol B	108	0	90	100	93	636	120
	NIS	0.25	% V/V	0.25	% V/V	2	Trifol B	205	0	98	100	90	574	120
	AMS	2	% W/W	2.5	LB/A	2	Trifol B	306	0	95	98	85	564	124
								410	0	95	100	90	464	101
								Mean =	0	95	100	90	560	116
9	Pursuit DG	0.063	LB A/A	1.44	OZ/A	3-4	Trif D	109	0	95	95	100	720	148
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4	Trif D	210	0	98	95	100	471	107
	NIS	0.25	% V/V	0.25	% V/V	3-4	Trif D	302	0	98	100	100	458	97
	AMS	2	% W/W	2.5	LB/A	3-4	Trif D	408	0	99	98	100	527	122
								Mean =	0	98	97	100	544	119

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Weed Code									MEDSA	SETFA	AMARE	CHEAL	MEDSA	MEDSA
Crop Code									FORAGE C	MEDSA	MEDSA	MEDSA	FORAGE C	FORAGE C
Part Rated													WEIFRE	WEIDRY
Rating Data Type													G	G
Rating Unit														
Rating Date									16/Aug/2006	16/Aug/2006	16/Aug/2006	16/Aug/2006	16/Aug/2006	16/Aug/2006
Crop Stage									10% Bloo	10% Bloo	10% Bloo	10% Bloo	Harvest2	Harvest2
Crop Stage Scale									12-28"	12-28"	12-28"	12-28"		
Weed Stage										24-36"	18-36"	24-36"		
Weed Density, Unit										10 YD2	10 YD2	7 YD2		
Footnote Number													1	1
Assessed By									VMD + GK	VMD + GK	VMD + GK	VMD + GK		
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	43	44	45	46	47	48
10	Raptor	0.039	LB A/A	5	FL OZ/A	3-4 Trif	D	110	0	15	50	100	563	99
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D	201	0	50	50	88	449	129
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D	311	0	95	95	100	718	159
	AMS	2	% W/W	2.5	LB/A	3-4 Trif	D	404	0	95	100	100	454	102
								Mean =	0	64	74	97	546	122
11	Spring Seeded Oats					COVER	A	111	0	35	25	25	454	92
								207	0	93	90	85	513	104
								301	0	70	50	10	270	53
								405	0	85	85	85	478	104
								Mean =	0	71	63	51	429	88

Column 47 Footnote: er 4 square foot

Column 48 Footnote: er 4 square foot

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Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date Crop Stage Crop Stage Scale Weed Stage Weed Density, Unit Footnote Number Assessed By								T Weeds	T Weeds	MEDSA FORAGE C COUSTEM NUMBER Harvest2	MEDSA FORAGE C COUSTEM NUMBER Harvest2	T Weed + MEDSA FORAGE C WEIDRY G Harvest2	MEDSA FORAGE C DRYCOM % Harvest2	
								WEIFRE G 16/Aug/2006 Harvest2	WEIDRY G 16/Aug/2006 Harvest2					
								1	1	1	2	1		
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	49	50	51	52	53	54
1	Untreated Check							101 209 305 409	170 139 36 200	25 21 5 33	160 156 209 161	40 39 52 40	93 104 130 110	73 80 96 70
Mean =									136	21	172	43	109	80
2	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	2	Trifol B	102	98	13	212	53	149	91
		2	% W/W	2.5	LB/A	2	Trifol B	204	46	9	191	48	162	94
	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	21	DAB C	303	18	3	201	50	133	98
		2	% W/W	2.5	LB/A	21	DAB C	406	3	1	188	47	119	99
Mean =									41	7	198	50	141	96
3	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	2	Trifol B	103	0	0	177	44	125	100
		2	% W/W	2.5	LB/A	2	Trifol B	206	1	1	176	44	118	99
	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	21	DAB C	308	0	0	149	37	133	100
		2	% W/W	2.5	LB/A	21	DAB C	401	386	72	123	31	148	51
Mean =									97	18	156	39	131	88
4	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	3-4	Trif D	104	38	6	171	43	134	96
		2	% W/W	2.5	LB/A	3-4	Trif D	202	20	2	210	53	128	98
								307	78	25	182	46	131	81
								402	100	19	160	40	137	86
Mean =									59	13	181	45	133	90
5	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	3-4	Trif D	105	120	20	178	45	129	85
		2	% W/W	2.5	LB/A	3-4	Trif D	211	4	1	209	52	163	99
								304	2	1	200	50	127	99
								407	15	3	181	45	126	98
Mean =									35	6	192	48	136	95
6	Balan EC Butyrac 200	1.13	LB A/A	3	QT/A	PPI	A	106	210	37	170	43	149	75
		1	LB A/A	2	QT/A	2	Trifol B	208	3	1	188	47	162	99
								309	43	5	198	50	138	96
								411	26	4	193	48	113	97
Mean =									71	12	187	47	141	92
7	Butyrac 200 Poast COC	1 0.382 1.67	LB A/A LB A/A % V/V	2 1 1	QT/A QT/A QT/A	2 2 2	Trifol B Trifol B Trifol B	107 203 310	146 138 160	26 20 27	190 155 209	48 39 52	144 93 144	82 79 81
								403	152	23	137	34	122	81
Mean =									149	24	173	43	126	81
8	Pursuit DG NIS AMS	0.063 0.25 2	LB A/A % V/V % W/W	1.44 0.25 2.5	OZ/A % V/V LB/A	2 2 2	Trifol B Trifol B Trifol B	108 205 306	47 15 15	9 3 3	189 152 156	47 38 39	129 123 127	93 98 98
								410	16	3	166	42	104	97
Mean =									23	5	166	41	121	96
9	Pursuit DG Roundup Original Max (ae) NIS AMS	0.063 1.5 0.25 2	LB A/A LB AE/A % V/V % W/W	1.44 42.7 0.25 2.5	OZ/A FL OZ/A % V/V LB/A	3-4 3-4 3-4 3-4	Trif D Trif D Trif D Trif D	109 210 302 408	2 1 0 0	1 1 0 0	229 167 178 158	57 42 45 40	149 108 97 122	99 99 100 100
Mean =									1	1	183	46	119	100

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Weed Code									T Weeds	T Weeds	MEDSA FORAGE C	MEDSA FORAGE C	T Weed + MEDSA FORAGE C	MEDSA FORAGE C
Crop Code									WEIFRE	WEIDRY	COUSTEM	COUSTEM	WEIDRY	DRYCOM
Part Rated									G	G	NUMBER	NUMBER	G	%
Rating Data Type									16/Aug/2006	16/Aug/2006	16/Aug/2006	16/Aug/2006	16/Aug/2006	16/Aug/2006
Rating Unit									Harvest2	Harvest2	Harvest2	Harvest2	Harvest2	Harvest2
Rating Date														
Crop Stage														
Crop Stage Scale														
Weed Stage														
Weed Density, Unit														
Footnote Number									1	1	1	2	1	
Assessed By														
Trt No.	Treatment Name	Rate	Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	49	50	51	52	53	54
10	Raptor	0.039	LB A/A	5	FL OZ/A	3-4 Trif	D	110	76	10	169	42	109	91
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D	201	31	4	136	34	133	97
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D	311	0	0	230	58	159	100
	AMS	2	% W/W	2.5	LB/A	3-4 Trif	D	404	0	0	163	41	102	100
								Mean =	27	4	175	44	126	97
11	Spring Seeded Oats					COVER	A	111	105	24	181	45	116	79
								207	0	0	199	50	104	100
								301	168	26	121	30	79	67
								405	51	7	202	51	111	94
								Mean =	81	14	176	44	103	85

Column 49 Footnote: er 4 square foot
 Column 50 Footnote: er 4 square foot
 Column 51 Footnote: er 4 square foot
 Column 52 Footnote: per square foot
 Column 53 Footnote: er 4 square foot

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Weed Code								MEDSA	MEDSA	MEDSA	MEDSA	MEDSA	MEDSA	
Crop Code								FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C	
Part Rated								WEIDRY	WEIPLT	WEIPLT	WEIFRE	WEIDRY	DRYMAT	
Rating Data Type								%	KG	TARE	G	G	%	
Rating Unit								16/Aug/2006	16/Aug/2006	16/Aug/2006	16/Aug/2006	16/Aug/2006	16/Aug/2006	
Rating Date								Harvest2	Harvest2	Harvest2	Harvest2	Harvest2	Harvest2	
Crop Stage														
Crop Stage Scale														
Weed Stage														
Weed Density, Unit														
Footnote Number									3	3				
Assessed By														
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	55	56	57	58	59	60
1	Untreated Check							101	27	8	6	380	77	0
								209	20	7	5	379	83	0
								305	4	8	6	438	91	0
								409	30	8	6	428	98	0
								Mean =	20	8	6	406	87	0
2	Roundup WeatherMAX	0.75	LB AE/A	21.3	FL OZ/A	2	Trifol B	102	9	9	8	440	83	0
	AMS	2	% W/W	2.5	LB/A	2	Trifol B	204	6	8	6	360	79	0
	Roundup WeatherMAX	0.75	LB AE/A	21.3	FL OZ/A	21	DAB C	303	2	9	7	350	76	0
	AMS	2	% W/W	2.5	LB/A	21	DAB C	406	1	8	6	380	82	0
								Mean =	4	8	7	383	80	0
3	Roundup WeatherMAX	1.5	LB AE/A	42.7	FL OZ/A	2	Trifol B	103	0	9	7	362	76	0
	AMS	2	% W/W	2.5	LB/A	2	Trifol B	206	1	8	6	380	85	0
	Roundup WeatherMAX	1.5	LB AE/A	42.7	FL OZ/A	21	DAB C	308	0	8	7	398	81	0
	AMS	2	% W/W	2.5	LB/A	21	DAB C	401	49	9	7	386	78	0
								Mean =	12	9	7	382	80	0
4	Roundup WeatherMAX	0.75	LB AE/A	21.3	FL OZ/A	3-4	Trif D	104	5	9	7	422	87	0
	AMS	2	% W/W	2.5	LB/A	3-4	Trif D	202	2	8	6	370	78	0
								307	19	8	6	408	86	0
								402	14	8	7	408	83	0
								Mean =	10	8	7	402	84	0
5	Roundup WeatherMAX	1.5	LB AE/A	42.7	FL OZ/A	3-4	Trif D	105	16	9	8	440	95	0
	AMS	2	% W/W	2.5	LB/A	3-4	Trif D	211	1	8	6	436	92	0
								304	1	9	7	392	86	0
								407	2	8	7	386	86	0
								Mean =	5	9	7	414	90	0
6	Balan EC	1.13	LB A/A	3	QT/A	PPI	A	106	25	9	8	380	80	0
	Butyrac 200	1	LB A/A	2	QT/A	2	Trifol B	208	1	7	6	432	94	0
								309	4	9	7	384	81	0
								411	4	8	7	402	87	0
								Mean =	8	8	7	400	86	0
7	Butyrac 200	1	LB A/A	2	QT/A	2	Trifol B	107	18	10	8	384	69	0
	Poast	0.382	LB A/A	1	QT/A	2	Trifol B	203	22	8	6	400	82	0
	COC	1.67	% V/V	1	QT/A	2	Trifol B	310	19	8	6	400	83	0
								403	19	8	7	412	89	0
								Mean =	19	9	7	399	81	0
8	Pursuit DG	0.063	LB A/A	1.44	OZ/A	2	Trifol B	108	7	9	7	402	79	0
	NIS	0.25	% V/V	0.25	% V/V	2	Trifol B	205	2	8	6	428	110	0
	AMS	2	% W/W	2.5	LB/A	2	Trifol B	306	2	9	7	434	98	0
								410	3	8	6	358	82	0
								Mean =	4	8	7	406	92	0
9	Pursuit DG	0.063	LB A/A	1.44	OZ/A	3-4	Trif D	109	1	8	6	380	79	0
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4	Trif D	210	1	7	5	404	90	0
	NIS	0.25	% V/V	0.25	% V/V	3-4	Trif D	302	0	7	6	360	83	0
	AMS	2	% W/W	2.5	LB/A	3-4	Trif D	408	0	8	6	430	99	0
								Mean =	0	8	6	394	88	0

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Weed Code								MEDSA	MEDSA	MEDSA	MEDSA	MEDSA	MEDSA	
Crop Code								FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C	
Part Rated								WEIDRY	WEIPLT	WEIPLT	WEIFRE	WEIDRY	DRYMAT	
Rating Data Type								%	KG	TARE	G	G	%	
Rating Unit								16/Aug/2006	16/Aug/2006	16/Aug/2006	16/Aug/2006	16/Aug/2006	16/Aug/2006	
Rating Date								Harvest2	Harvest2	Harvest2	Harvest2	Harvest2	Harvest2	
Crop Stage														
Crop Stage Scale														
Weed Stage														
Weed Density, Unit														
Footnote Number									3	3				
Assessed By														
Trt No.	Treatment Name	Rate	Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	55	56	57	58	59	60
10	Raptor	0.039	LB A/A	5	FL OZ/A	3-4 Trif	D	110	9	9	7	368	82	0
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D	201	3	8	7	394	85	0
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D	311	0	8	6	384	84	0
	AMS	2	% W/W	2.5	LB/A	3-4 Trif	D	404	0	8	6	420	93	0
								Mean =	3	8	7	392	86	0
11	Spring Seeded Oats					COVER	A	111	21	8	6	388	80	0
								207	0	8	6	408	88	0
								301	33	7	5	379	69	0
								405	6	7	5	408	83	0
								Mean =	15	7	6	396	80	0

Column 56 Footnote: Total plot harvest was 0.00113 acre.

Column 57 Footnote: Total plot harvest was 0.00113 acre.

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Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date Crop Stage Crop Stage Scale Weed Stage Weed Density, Unit Footnote Number Assessed By								MEDSA FORAGE C YIELD Ton/ACRE 16/Aug/2006 Harvest2	MEDSA FORAGE C CP 16/Aug/2006 Harvest2	MEDSA FORAGE C ADF 16/Aug/2006 Harvest2	MEDSA FORAGE C NDF 16/Aug/2006 Harvest2	MEDSA FORAGE C ADL 16/Aug/2006 Harvest2	MEDSA FORAGE C IVTD 16/Aug/2006 Harvest2	
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	61	62	63	64	65	66
1	Untreated Check							101 209 305 409	1 1 1 1	21 22 22 20	40 39 40 40	45 46 45 47	9 10 9 9	75 73 73 72
	Mean =								1	21	40	45	9	73
2	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	2	Trifol B	102 204	1 1	18 21	40 41	46 47	9 10	76 70
	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	21	DAB C	303 406	1 1	22 21	39 42	44 48	9 10	72 70
	Mean =								1	20	40	46	9	72
3	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	2	Trifol B	103 206	2 1	20 21	43 41	49 48	10 10	69 71
	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	21	DAB C	308 401	1 1	21 20	38 40	44 46	9 9	73 73
	Mean =								1	20	41	47	9	71
4	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	3-4	Trif D	104 202 307 402	1 1 1 1	21 22 22 21	42 40 39 41	49 46 46 46	10 9 10 9	70 72 72 72
	Mean =								1	21	41	46	10	72
5	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	3-4	Trif D	105 211 304 407	2 1 2 1	20 21 21 21	43 40 42 40	50 46 48 46	10 10 10 10	71 72 69 72
	Mean =								1	21	41	47	10	71
6	Balan EC Butyrac 200	1.13	LB A/A	3	QT/A	PPI	A	106 208 309 411	2 1 1 1	21 21 22 21	41 39 40 40	46 45 46 47	9 10 10 10	73 73 72 71
	Mean =								1	21	40	46	9	72
7	Butyrac 200 Poast COC	1 0.382 1.67	LB A/A LB A/A % V/V	2 1 1	QT/A QT/A QT/A	2	Trifol B	107 203 310 403	1 1 1 1	22 19 22 20	39 43 37 43	45 49 43 49	9 10 9 11	74 71 74 69
	Mean =								1	21	41	46	10	72
8	Pursuit DG NIS AMS	0.063 0.25 2	LB A/A % V/V % W/W	1.44 0.25 2.5	OZ/A % V/V LB/A	2	Trifol B	108 205 306 410	1 2 2 1	23 20 22 21	40 45 38 39	45 51 45 45	9 11 9 9	73 68 72 72
	Mean =								1	21	40	46	10	71
9	Pursuit DG Roundup Original Max (ae) NIS AMS	0.063 1.5 0.25 2	LB A/A LB AE/A % V/V % W/W	1.44 42.7 0.25 2.5	OZ/A FL OZ/A % V/V LB/A	3-4	Trif D	109 210 302 408	1 1 1 1	20 22 23 20	43 38 38 41	50 44 43 48	10 9 9 10	69 72 72 69
	Mean =								1	21	40	46	10	71

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Weed Code									MEDSA	MEDSA	MEDSA	MEDSA	MEDSA	MEDSA
Crop Code									FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C
Part Rated									YIELD	CP	ADF	NDF	ADL	IVTD
Rating Data Type									Ton/ACRE					
Rating Unit									16/Aug/2006	16/Aug/2006	16/Aug/2006	16/Aug/2006	16/Aug/2006	16/Aug/2006
Rating Date									Harvest2	Harvest2	Harvest2	Harvest2	Harvest2	Harvest2
Crop Stage														
Crop Stage Scale														
Weed Stage														
Weed Density, Unit														
Footnote Number														
Assessed By														
Trt	Treatment	Rate	Product	Product	Grow	Appl			61	62	63	64	65	66
No.	Name	Rate	Unit	Rate	Rate Unit	Stg	Code	Plot						
10	Raptor	0.039	LB A/A	5	FL OZ/A	3-4	Trif D	110	2	19	42	48	9	74
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4	Trif D	201	1	20	43	49	10	72
	NIS	0.25	% V/V	0.25	% V/V	3-4	Trif D	311	1	22	38	44	9	74
	AMS	2	% W/W	2.5	LB/A	3-4	Trif D	404	1	21	41	47	10	71
								Mean =	1	20	41	47	9	73
11	Spring Seeded Oats					COVER	A	111	1	22	35	41	8	76
								207	1	21	42	48	10	71
								301	1	23	35	40	8	78
								405	1	23	35	41	8	76
								Mean =	1	22	37	42	9	75

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Weed Code									MEDSA	MEDSA	MEDSA	MEDSA	MEDSA	MEDSA
Crop Code									FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C
Part Rated									NDFD	TDN	RFV	RFQ	ASH	Milk/T
Rating Data Type														
Rating Unit														
Rating Date									16/Aug/2006	16/Aug/2006	16/Aug/2006	16/Aug/2006	16/Aug/2006	16/Aug/2006
Crop Stage									Harvest2	Harvest2	Harvest2	Harvest2	Harvest2	Harvest2
Crop Stage Scale														
Weed Stage														
Weed Density, Unit														
Footnote Number														
Assessed By														
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	67	68	69	70	71	72
1	Untreated Check							101	44	54	120	116	14	2343
								209	42	54	119	113	12	2343
								305	42	53	121	114	14	2294
								409	44	54	114	110	13	2332
								Mean =	43	54	119	113	13	2328
2	Roundup WeatherMAX	0.75	LB AE/A	21.3	FL OZ/A	2	Trifol B	102	43	54	117	112	13	2331
	AMS	2	% W/W	2.5	LB/A	2	Trifol B	204	42	53	113	105	13	2221
	Roundup WeatherMAX	0.75	LB AE/A	21.3	FL OZ/A	21	DAB C	303	43	54	125	118	14	2342
	AMS	2	% W/W	2.5	LB/A	21	DAB C	406	41	52	109	100	13	2142
								Mean =	42	53	116	109	13	2259
3	Roundup WeatherMAX	1.5	LB AE/A	42.7	FL OZ/A	2	Trifol B	103	41	51	104	96	14	2074
	AMS	2	% W/W	2.5	LB/A	2	Trifol B	206	42	53	111	106	12	2273
	Roundup WeatherMAX	1.5	LB AE/A	42.7	FL OZ/A	21	DAB C	308	44	56	125	122	12	2485
	AMS	2	% W/W	2.5	LB/A	21	DAB C	401	43	53	117	111	13	2297
								Mean =	42	53	114	109	13	2282
4	Roundup WeatherMAX	0.75	LB AE/A	21.3	FL OZ/A	3-4	Trif D	104	41	52	108	100	13	2157
	AMS	2	% W/W	2.5	LB/A	3-4	Trif D	202	42	54	118	112	13	2318
								307	42	54	119	112	12	2350
								402	43	53	115	109	14	2226
								Mean =	42	53	115	108	13	2263
5	Roundup WeatherMAX	1.5	LB AE/A	42.7	FL OZ/A	3-4	Trif D	105	43	52	103	101	13	2224
	AMS	2	% W/W	2.5	LB/A	3-4	Trif D	211	41	54	116	109	12	2321
								304	39	51	109	97	13	2103
								407	42	54	118	112	13	2319
								Mean =	41	53	112	105	13	2242
6	Balan EC	1.13	LB A/A	3	QT/A	PPI	A	106	45	55	115	115	12	2424
	Butyrac 200	1	LB A/A	2	QT/A	2	Trifol B	208	43	55	120	115	13	2372
								309	42	54	118	111	13	2310
								411	41	53	115	107	12	2281
								Mean =	43	54	117	112	12	2347
7	Butyrac 200	1	LB A/A	2	QT/A	2	Trifol B	107	46	56	121	121	13	2471
	Poast	0.382	LB A/A	1	QT/A	2	Trifol B	203	40	50	105	94	14	2017
	COC	1.67	% V/V	1	QT/A	2	Trifol B	310	43	56	129	124	12	2482
								403	40	50	105	94	14	2010
								Mean =	42	53	115	108	13	2245
8	Pursuit DG	0.063	LB A/A	1.44	OZ/A	2	Trifol B	108	44	55	119	117	13	2401
	NIS	0.25	% V/V	0.25	% V/V	2	Trifol B	205	39	50	100	89	13	1998
	AMS	2	% W/W	2.5	LB/A	2	Trifol B	306	42	54	123	114	13	2331
								410	42	54	120	114	13	2359
								Mean =	42	53	116	109	13	2272
9	Pursuit DG	0.063	LB A/A	1.44	OZ/A	3-4	Trif D	109	41	52	104	97	12	2166
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4	Trif D	210	43	56	126	122	12	2478
	NIS	0.25	% V/V	0.25	% V/V	3-4	Trif D	302	42	54	127	118	14	2337
	AMS	2	% W/W	2.5	LB/A	3-4	Trif D	408	41	53	109	102	12	2240
								Mean =	42	54	117	110	12	2305

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Weed Code									MEDSA	MEDSA	MEDSA	MEDSA	MEDSA	MEDSA
Crop Code									FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C
Part Rated									NDFD	TDN	RFV	RFQ	ASH	Milk/T
Rating Data Type														
Rating Unit														
Rating Date									16/Aug/2006	16/Aug/2006	16/Aug/2006	16/Aug/2006	16/Aug/2006	16/Aug/2006
Crop Stage									Harvest2	Harvest2	Harvest2	Harvest2	Harvest2	Harvest2
Crop Stage Scale														
Weed Stage														
Weed Density, Unit														
Footnote Number														
Assessed By														
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	67	68	69	70	71	72
10	Raptor	0.039	LB A/A	5	FL OZ/A	3-4 Trif	D	110	46	55	109	112	12	2417
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D	201	41	51	104	96	14	2084
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D	311	43	56	127	124	12	2509
	AMS	2	% W/W	2.5	LB/A	3-4 Trif	D	404	41	53	113	106	13	2228
								Mean =	43	54	113	110	13	2310
11	Spring Seeded Oats					COVER	A	111	47	59	139	142	13	2703
								207	42	53	110	104	13	2219
								301	48	59	145	149	13	2740
								405	46	58	139	140	13	2657
								Mean =	46	57	133	134	13	2580

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Weed Code									MEDSA	MEDSA	MEDSA	T Weeds	T Weeds	MEDSA
Crop Code									FORAGE C	FORAGE C	FORAGE C			FORAGE C
Part Rated									FORAGE C	FORAGE C	FORAGE C			FORAGE C
Rating Data Type									Crop Injury	WEIFRE	WEIDRY	WEIFRE	WEIDRY	COUSTEM
Rating Unit									%	G	G	G	G	NUMBER
Rating Date									20/Sep/2006	20/Sep/2006	20/Sep/2006	20/Sep/2006	20/Sep/2006	20/Sep/2006
Crop Stage									Harvest3	Harvest3	Harvest3	Harvest3	Harvest3	Harvest3
Crop Stage Scale														
Weed Stage														
Weed Density, Unit														
Footnote Number									4	1	1	1	1	1
Assessed By														
Trt No.	Treatment Name	Rate	Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	73	74	75	76	77	78
1	Untreated Check							101	0	495	86	32	1	224
								209	0	329	68	0	0	161
								305	0	233	51	14	2	141
								409	0	315	69	9	2	216
								Mean =	0	343	69	14	1	186
2	Roundup WeatherMAX	0.75	LB AE/A	21.3	FL OZ/A	2	Trifol B	102	0	284	53	0	0	161
	AMS	2	% W/W	2.5	LB/A	2	Trifol B	204	0	287	59	6	2	191
	Roundup WeatherMAX	0.75	LB AE/A	21.3	FL OZ/A	21	DAB C	303	0	329	65	0	0	229
	AMS	2	% W/W	2.5	LB/A	21	DAB C	406	0	352	72	1	1	222
								Mean =	0	313	62	2	1	201
3	Roundup WeatherMAX	1.5	LB AE/A	42.7	FL OZ/A	2	Trifol B	103	0	347	65	0	0	204
	AMS	2	% W/W	2.5	LB/A	2	Trifol B	206	0	262	56	1	1	185
	Roundup WeatherMAX	1.5	LB AE/A	42.7	FL OZ/A	21	DAB C	308	0	325	68	0	0	182
	AMS	2	% W/W	2.5	LB/A	21	DAB C	401	0	294	59	2	1	183
								Mean =	0	307	62	1	1	189
4	Roundup WeatherMAX	0.75	LB AE/A	21.3	FL OZ/A	3-4	Trif D	104	0	252	71	0	0	206
	AMS	2	% W/W	2.5	LB/A	3-4	Trif D	202	0	274	55	0	0	175
								307	0	263	56	0	0	200
								402	0	254	54	32	5	187
								Mean =	0	261	59	8	1	192
5	Roundup WeatherMAX	1.5	LB AE/A	42.7	FL OZ/A	3-4	Trif D	105	0	323	61	0	0	190
	AMS	2	% W/W	2.5	LB/A	3-4	Trif D	211	0	277	74	0	1	210
								304	0	301	63	0	0	219
								407	0	250	52	0	0	162
								Mean =	0	288	63	0	0	195
6	Balan EC	1.13	LB A/A	3	QT/A	PPI	A	106	0	433	81	0	0	249
	Butyrac 200	1	LB A/A	2	QT/A	2	Trifol B	208	0	348	73	0	0	228
								309	0	420	84	0	0	266
								411	0	349	73	0	1	249
								Mean =	0	387	78	0	0	248
7	Butyrac 200	1	LB A/A	2	QT/A	2	Trifol B	107	0	378	73	6	1	212
	Poast	0.382	LB A/A	1	QT/A	2	Trifol B	203	0	314	63	1	1	215
	COC	1.67	% V/V	1	QT/A	2	Trifol B	310	0	240	53	4	1	189
								403	0	231	49	32	6	181
								Mean =	0	291	60	10	2	199
8	Pursuit DG	0.063	LB A/A	1.44	OZ/A	2	Trifol B	108	0	390	73	0	0	195
	NIS	0.25	% V/V	0.25	% V/V	2	Trifol B	205	0	277	57	0	0	210
	AMS	2	% W/W	2.5	LB/A	2	Trifol B	306	0	319	66	0	0	216
								410	0	246	52	0	0	207
								Mean =	0	308	62	0	0	207
9	Pursuit DG	0.063	LB A/A	1.44	OZ/A	3-4	Trif D	109	0	319	62	0	0	169
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4	Trif D	210	0	276	59	0	0	214
	NIS	0.25	% V/V	0.25	% V/V	3-4	Trif D	302	0	348	73	17	3	225
	AMS	2	% W/W	2.5	LB/A	3-4	Trif D	408	0	285	60	0	0	181
								Mean =	0	307	64	4	1	197

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Weed Code									MEDSA	MEDSA	MEDSA	T Weeds	T Weeds	MEDSA
Crop Code									FORAGE C	FORAGE C	FORAGE C	WEIFRE	WEIDRY	FORAGE C
Part Rated									FORAGE C	FORAGE C	FORAGE C	WEIFRE	WEIDRY	FORAGE C
Rating Data Type									Crop Injury	WEIFRE	WEIDRY	WEIFRE	WEIDRY	COUSTEM
Rating Unit									%	G	G	G	G	NUMBER
Rating Date									20/Sep/2006	20/Sep/2006	20/Sep/2006	20/Sep/2006	20/Sep/2006	20/Sep/2006
Crop Stage									Harvest3	Harvest3	Harvest3	Harvest3	Harvest3	Harvest3
Crop Stage Scale														
Weed Stage														
Weed Density, Unit														
Footnote Number									4	1	1	1	1	1
Assessed By														
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	73	74	75	76	77	78
10	Raptor	0.039	LB A/A	5	FL OZ/A	3-4 Trif	D	110	0	269	52	3	1	194
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D	201	0	340	72	2	1	245
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D	311	0	256	56	0	0	173
	AMS	2	% W/W	2.5	LB/A	3-4 Trif	D	404	0	316	66	0	0	193
								Mean =	0	295	62	1	1	201
11	Spring Seeded Oats					COVER	A	111	0	292	60	14	2	186
								207	0	298	62	0	0	215
								301	0	222	47	18	3	122
								405	0	248	51	2	1	222
								Mean =	0	265	55	9	2	186

Column 73 Footnote: No injury or weeds thick enough to take notes

Column 74 Footnote: er 4 square foot

Column 75 Footnote: er 4 square foot

Column 76 Footnote: er 4 square foot

Column 77 Footnote: er 4 square foot

Column 78 Footnote: er 4 square foot

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Weed Code									MEDSA	T Weed +	MEDSA	MEDSA	MEDSA	MEDSA
Crop Code									FORAGE C	MEDSA	FORAGE C	FORAGE C	FORAGE C	FORAGE C
Part Rated									COUSTEM	WEIDRY	DRYCOM	WEIDRY	WEIPLT	WEIPLT
Rating Data Type									NUMBER	G	%	%	KG	TARE
Rating Unit									20/Sep/2006	20/Sep/2006	20/Sep/2006	20/Sep/2006	20/Sep/2006	20/Sep/2006
Rating Date									Harvest3	Harvest3	Harvest3	Harvest3	Harvest3	Harvest3
Crop Stage														
Crop Stage Scale														
Weed Stage														
Weed Density, Unit														
Footnote Number									2	1			3	3
Assessed By														
Trt No.	Treatment Name	Rate	Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	79	80	81	82	83	84
1	Untreated Check							101	56	87	99	1	6	4
								209	40	68	100	0	5	3
								305	35	53	96	4	5	3
								409	54	71	97	3	5	3
								Mean =	46	70	98	2	5	3
2	Roundup WeatherMAX	0.75	LB AE/A	21.3	FL OZ/A	2	Trifol B	102	40	53	100	0	6	4
	AMS	2	% W/W	2.5	LB/A	2	Trifol B	204	48	61	97	3	5	4
	Roundup WeatherMAX	0.75	LB AE/A	21.3	FL OZ/A	21	DAB C	303	57	65	100	0	5	3
	AMS	2	% W/W	2.5	LB/A	21	DAB C	406	56	73	99	1	5	3
								Mean =	50	63	99	1	5	4
3	Roundup WeatherMAX	1.5	LB AE/A	42.7	FL OZ/A	2	Trifol B	103	51	65	100	0	5	4
	AMS	2	% W/W	2.5	LB/A	2	Trifol B	206	46	57	98	2	5	4
	Roundup WeatherMAX	1.5	LB AE/A	42.7	FL OZ/A	21	DAB C	308	46	68	100	0	5	4
	AMS	2	% W/W	2.5	LB/A	21	DAB C	401	46	60	98	2	5	3
								Mean =	47	63	99	1	5	4
4	Roundup WeatherMAX	0.75	LB AE/A	21.3	FL OZ/A	3-4	Trif D	104	52	71	100	0	5	4
	AMS	2	% W/W	2.5	LB/A	3-4	Trif D	202	44	55	100	0	5	3
								307	50	56	100	0	5	3
								402	47	59	92	9	5	3
								Mean =	48	60	98	2	5	3
5	Roundup WeatherMAX	1.5	LB AE/A	42.7	FL OZ/A	3-4	Trif D	105	48	61	100	0	5	3
	AMS	2	% W/W	2.5	LB/A	3-4	Trif D	211	53	75	99	1	5	3
								304	55	63	100	0	5	3
								407	41	52	100	0	5	3
								Mean =	49	63	100	0	5	3
6	Balan EC	1.13	LB A/A	3	QT/A	PPI	A	106	62	81	100	0	6	4
	Butyrac 200	1	LB A/A	2	QT/A	2	Trifol B	208	57	73	100	0	5	3
								309	67	84	100	0	5	3
								411	62	74	99	1	5	3
								Mean =	62	78	100	0	5	3
7	Butyrac 200	1	LB A/A	2	QT/A	2	Trifol B	107	53	74	99	1	6	4
	Poast	0.382	LB A/A	1	QT/A	2	Trifol B	203	54	64	98	2	5	4
	COC	1.67	% V/V	1	QT/A	2	Trifol B	310	47	54	98	2	5	3
								403	45	55	89	11	5	3
								Mean =	50	62	96	4	5	3
8	Pursuit DG	0.063	LB A/A	1.44	OZ/A	2	Trifol B	108	49	73	100	0	6	4
	NIS	0.25	% V/V	0.25	% V/V	2	Trifol B	205	53	57	100	0	5	3
	AMS	2	% W/W	2.5	LB/A	2	Trifol B	306	54	66	100	0	5	4
								410	52	52	100	0	5	3
								Mean =	52	62	100	0	5	3
9	Pursuit DG	0.063	LB A/A	1.44	OZ/A	3-4	Trif D	109	42	62	100	0	6	4
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4	Trif D	210	54	59	100	0	5	3
	NIS	0.25	% V/V	0.25	% V/V	3-4	Trif D	302	56	76	96	4	5	3
	AMS	2	% W/W	2.5	LB/A	3-4	Trif D	408	45	60	100	0	5	3
								Mean =	49	64	99	1	5	3

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									MEDSA FORAGE C COUSTEM NUMBER 20/Sep/2006 Harvest3	T Weed + MEDSA FORAGE C WEIDRY G 20/Sep/2006 Harvest3	MEDSA FORAGE C DRYCOM % 20/Sep/2006 Harvest3	MEDSA FORAGE C WEIDRY % 20/Sep/2006 Harvest3	MEDSA FORAGE C WEIPLT KG 20/Sep/2006 Harvest3	MEDSA FORAGE C WEIPLT TARE 20/Sep/2006 Harvest3
Weed Code														
Crop Code														
Part Rated														
Rating Data Type														
Rating Unit														
Rating Date														
Crop Stage														
Crop Stage Scale														
Weed Stage														
Weed Density, Unit														
Footnote Number									2	1			3	3
Assessed By														
Trt No.	Treatment Name	Rate	Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	79	80	81	82	83	84
10	Raptor	0.039	LB A/A	5	FL OZ/A	3-4 Trif	D	110	49	53	98	2	5	3
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D	201	61	73	99	1	4	2
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D	311	43	56	100	0	5	3
	AMS	2	% W/W	2.5	LB/A	3-4 Trif	D	404	48	66	100	0	5	4
								Mean =	50	62	99	1	5	3
11	Spring Seeded Oats					COVER	A	111	47	62	97	3	5	3
								207	54	62	100	0	5	3
								301	31	50	94	6	5	3
								405	56	52	98	2	5	3
								Mean =	47	57	97	3	5	3

Column 79 Footnote: per square foot

Column 80 Footnote: er 4 square foot

Column 83 Footnote: Total plot harvest was 0.00113 acre.

Column 84 Footnote: Total plot harvest was 0.00113 acre.

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Weed Code								MEDSA	MEDSA	MEDSA	MEDSA	MEDSA	MEDSA	
Crop Code								FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C	
Part Rated								WEIFRE	WEIDRY	DRYMAT	YIELD	CP	ADF	
Rating Data Type								G	G	%	Ton/ACRE			
Rating Unit								20/Sep/2006	20/Sep/2006	20/Sep/2006	20/Sep/2006	20/Sep/2006	20/Sep/2006	
Rating Date								Harvest3	Harvest3	Harvest3	Harvest3	Harvest3	Harvest3	
Crop Stage														
Crop Stage Scale														
Weed Stage														
Weed Density, Unit														
Footnote Number														
Assessed By														
Trt No.	Treatment Name	Rate	Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	85	86	87	88	89	90
1	Untreated Check							101	433	71	0	1	25	33
								209	412	86	0	1	26	30
								305	391	84	0	1	25	31
								409	390	83	0	1	26	31
								Mean =	407	81	0	1	25	31
2	Roundup WeatherMAX	0.75	LB AE/A	21.3	FL OZ/A	2	Trifol B	102	444	87	0	1	25	32
	AMS	2	% W/W	2.5	LB/A	2	Trifol B	204	396	89	0	1	25	32
	Roundup WeatherMAX	0.75	LB AE/A	21.3	FL OZ/A	21	DAB C	303	502	102	0	1	25	35
	AMS	2	% W/W	2.5	LB/A	21	DAB C	406	411	89	0	1	24	35
								Mean =	438	92	0	1	25	33
3	Roundup WeatherMAX	1.5	LB AE/A	42.7	FL OZ/A	2	Trifol B	103	386	78	0	1	24	33
	AMS	2	% W/W	2.5	LB/A	2	Trifol B	206	480	101	0	1	24	35
	Roundup WeatherMAX	1.5	LB AE/A	42.7	FL OZ/A	21	DAB C	308	405	85	0	1	25	33
	AMS	2	% W/W	2.5	LB/A	21	DAB C	401	502	102	0	1	26	30
								Mean =	443	92	0	1	25	33
4	Roundup WeatherMAX	0.75	LB AE/A	21.3	FL OZ/A	3-4	Trif D	104	470	97	0	1	24	33
	AMS	2	% W/W	2.5	LB/A	3-4	Trif D	202	360	78	0	1	26	31
								307	484	102	0	1	25	32
								402	388	78	0	1	25	33
								Mean =	426	89	0	1	25	32
5	Roundup WeatherMAX	1.5	LB AE/A	42.7	FL OZ/A	3-4	Trif D	105	415	85	0	1	25	32
	AMS	2	% W/W	2.5	LB/A	3-4	Trif D	211	410	91	0	1	24	30
								304	342	73	0	1	25	33
								407	470	102	0	1	25	34
								Mean =	409	88	0	1	25	32
6	Balan EC	1.13	LB A/A	3	QT/A	PPI	A	106	365	78	0	1	24	33
	Butyrac 200	1	LB A/A	2	QT/A	2	Trifol B	208	378	81	0	1	25	32
								309	381	80	0	1	25	32
								411	360	77	0	1	26	30
								Mean =	371	79	0	1	25	31
7	Butyrac 200	1	LB A/A	2	QT/A	2	Trifol B	107	451	91	0	1	24	33
	Poast	0.382	LB A/A	1	QT/A	2	Trifol B	203	468	95	0	1	25	33
	COC	1.67	% V/V	1	QT/A	2	Trifol B	310	360	74	0	1	26	30
								403	465	97	0	1	25	32
								Mean =	436	89	0	1	25	32
8	Pursuit DG	0.063	LB A/A	1.44	OZ/A	2	Trifol B	108	490	98	0	1	23	33
	NIS	0.25	% V/V	0.25	% V/V	2	Trifol B	205	521	109	0	1	25	33
	AMS	2	% W/W	2.5	LB/A	2	Trifol B	306	458	92	0	1	24	33
								410	338	78	0	1	24	32
								Mean =	452	94	0	1	24	33
9	Pursuit DG	0.063	LB A/A	1.44	OZ/A	3-4	Trif D	109	400	82	0	1	24	32
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4	Trif D	210	376	85	0	1	25	31
	NIS	0.25	% V/V	0.25	% V/V	3-4	Trif D	302	357	77	0	1	26	33
	AMS	2	% W/W	2.5	LB/A	3-4	Trif D	408	359	79	0	1	25	34
								Mean =	373	81	0	1	25	33

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Weed Code								MEDSA	MEDSA	MEDSA	MEDSA	MEDSA	MEDSA	
Crop Code								FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C	
Part Rated								WEIFRE	WEIDRY	DRYMAT	YIELD	CP	ADF	
Rating Data Type								G	G	%	Ton/ACRE			
Rating Unit								20/Sep/2006	20/Sep/2006	20/Sep/2006	20/Sep/2006	20/Sep/2006	20/Sep/2006	
Rating Date								Harvest3	Harvest3	Harvest3	Harvest3	Harvest3	Harvest3	
Crop Stage														
Crop Stage Scale														
Weed Stage														
Weed Density, Unit														
Footnote Number														
Assessed By														
Trt	Treatment	Rate	Product	Product	Grow	Appl		85	86	87	88	89	90	
No.	Name	Rate	Unit	Rate	Rate Unit	Stg	Code	Plot						
10	Raptor	0.039	LB A/A	5	FL OZ/A	3-4	Trif D	110	409	86	0	1	25	30
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4	Trif D	201	436	93	0	1	25	32
	NIS	0.25	% V/V	0.25	% V/V	3-4	Trif D	311	409	88	0	1	25	31
	AMS	2	% W/W	2.5	LB/A	3-4	Trif D	404	404	84	0	1	26	31
								Mean =	415	88	0	1	25	31
11	Spring Seeded Oats					COVER	A	111	464	97	0	1	25	31
								207	456	99	0	1	26	31
								301	388	82	0	1	26	30
								405	465	99	0	1	25	33
								Mean =	443	94	0	1	26	31

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Weed Code								MEDSA	MEDSA	MEDSA	MEDSA	MEDSA	MEDSA	
Crop Code								FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C	
Part Rated								NDF	ADL	IVTD	NDFD	TDN	RFV	
Rating Data Type														
Rating Unit														
Rating Date								20/Sep/2006	20/Sep/2006	20/Sep/2006	20/Sep/2006	20/Sep/2006	20/Sep/2006	
Crop Stage								Harvest3	Harvest3	Harvest3	Harvest3	Harvest3	Harvest3	
Crop Stage Scale														
Weed Stage														
Weed Density, Unit														
Footnote Number														
Assessed By														
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	91	92	93	94	95	96
1	Untreated Check							101	37	8	79	50	60	159
								209	34	7	81	52	63	181
								305	36	7	79	49	61	169
								409	35	7	80	51	62	171
								Mean =	35	7	80	50	61	170
2	Roundup WeatherMAX	0.75	LB AE/A	21.3	FL OZ/A	2	Trifol B	102	36	7	80	51	61	163
	AMS	2	% W/W	2.5	LB/A	2	Trifol B	204	37	8	79	49	60	159
	Roundup WeatherMAX	0.75	LB AE/A	21.3	FL OZ/A	21	DAB C	303	39	8	77	47	58	149
	AMS	2	% W/W	2.5	LB/A	21	DAB C	406	39	8	77	47	58	147
								Mean =	38	8	78	48	59	155
3	Roundup WeatherMAX	1.5	LB AE/A	42.7	FL OZ/A	2	Trifol B	103	37	8	78	49	60	157
	AMS	2	% W/W	2.5	LB/A	2	Trifol B	206	39	8	77	46	58	146
	Roundup WeatherMAX	1.5	LB AE/A	42.7	FL OZ/A	21	DAB C	308	38	8	78	48	59	155
	AMS	2	% W/W	2.5	LB/A	21	DAB C	401	34	7	82	52	62	177
								Mean =	37	8	79	49	60	159
4	Roundup WeatherMAX	0.75	LB AE/A	21.3	FL OZ/A	3-4	Trif D	104	37	8	79	49	60	159
	AMS	2	% W/W	2.5	LB/A	3-4	Trif D	202	35	7	79	51	61	171
								307	36	8	79	48	60	164
								402	38	8	78	49	59	156
								Mean =	36	8	79	49	60	163
5	Roundup WeatherMAX	1.5	LB AE/A	42.7	FL OZ/A	3-4	Trif D	105	36	7	79	50	61	165
	AMS	2	% W/W	2.5	LB/A	3-4	Trif D	211	35	7	80	50	63	176
								304	37	8	78	48	59	160
								407	38	8	77	47	59	152
								Mean =	37	8	79	48	60	163
6	Balan EC	1.13	LB A/A	3	QT/A	PPI	A	106	38	8	78	48	60	156
	Butyrac 200	1	LB A/A	2	QT/A	2	Trifol B	208	36	8	79	47	60	164
								309	37	8	78	49	61	163
								411	34	7	81	53	63	181
								Mean =	36	7	79	49	61	166
7	Butyrac 200	1	LB A/A	2	QT/A	2	Trifol B	107	38	8	79	49	60	154
	Poast	0.382	LB A/A	1	QT/A	2	Trifol B	203	37	8	80	50	60	162
	COC	1.67	% V/V	1	QT/A	2	Trifol B	310	36	7	80	50	62	171
								403	36	7	80	50	60	164
								Mean =	37	7	79	50	60	163
8	Pursuit DG	0.063	LB A/A	1.44	OZ/A	2	Trifol B	108	37	7	80	51	61	158
	NIS	0.25	% V/V	0.25	% V/V	2	Trifol B	205	37	8	79	48	59	159
	AMS	2	% W/W	2.5	LB/A	2	Trifol B	306	38	8	79	49	60	157
								410	37	8	78	46	60	160
								Mean =	37	8	79	48	60	159
9	Pursuit DG	0.063	LB A/A	1.44	OZ/A	3-4	Trif D	109	38	8	79	49	61	158
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4	Trif D	210	36	7	78	47	61	165
	NIS	0.25	% V/V	0.25	% V/V	3-4	Trif D	302	37	8	78	47	59	158
	AMS	2	% W/W	2.5	LB/A	3-4	Trif D	408	39	8	77	45	58	149
								Mean =	38	8	78	47	60	158

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Weed Code									MEDSA	MEDSA	MEDSA	MEDSA	MEDSA	MEDSA
Crop Code									FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C
Part Rated									NDF	ADL	IVTD	NDFD	TDN	RFV
Rating Data Type														
Rating Unit														
Rating Date									20/Sep/2006	20/Sep/2006	20/Sep/2006	20/Sep/2006	20/Sep/2006	20/Sep/2006
Crop Stage									Harvest3	Harvest3	Harvest3	Harvest3	Harvest3	Harvest3
Crop Stage Scale														
Weed Stage														
Weed Density, Unit														
Footnote Number														
Assessed By														
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	91	92	93	94	95	96
10	Raptor	0.039	LB A/A	5	FL OZ/A	3-4 Trif	D	110	35	7	81	51	63	176
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D	201	36	7	80	50	61	165
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D	311	36	7	79	49	62	167
	AMS	2	% W/W	2.5	LB/A	3-4 Trif	D	404	35	7	80	51	62	173
								Mean =	35	7	80	50	62	170
11	Spring Seeded Oats					COVER	A	111	35	7	81	52	63	173
								207	35	7	79	49	61	172
								301	34	7	81	53	62	179
								405	37	8	79	48	60	161
								Mean =	35	7	80	50	61	171

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Weed Code								MEDSA	MEDSA	MEDSA	MEDSA	
Crop Code								FORAGE C	FORAGE C	FORAGE C	FORAGE C	
Part Rated								RFO	ASH	Milk/T	YIELD	
Rating Data Type											TON/ACRE	
Rating Unit								20/Sep/2006	20/Sep/2006	20/Sep/2006		
Rating Date								Harvest3	Harvest3	Harvest3	Harv 1-3	
Crop Stage												
Crop Stage Scale												
Weed Stage												
Weed Density, Unit												
Footnote Number											5	
Assessed By												
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	97	98	99	100
1	Untreated Check							101	165	14	2812	4
								209	191	14	3032	3
								305	172	13	2883	4
								409	179	13	2980	4
								Mean =	177	14	2927	4
2	Roundup WeatherMAX	0.75	LB AE/A	21.3	FL OZ/A	2	Trifol B	102	171	14	2875	3
	AMS	2	% W/W	2.5	LB/A	2	Trifol B	204	161	14	2793	4
	Roundup WeatherMAX	0.75	LB AE/A	21.3	FL OZ/A	21	DAB C	303	147	14	2643	3
	AMS	2	% W/W	2.5	LB/A	21	DAB C	406	147	13	2682	3
								Mean =	157	14	2748	3
3	Roundup WeatherMAX	1.5	LB AE/A	42.7	FL OZ/A	2	Trifol B	103	161	14	2806	4
	AMS	2	% W/W	2.5	LB/A	2	Trifol B	206	145	14	2647	4
	Roundup WeatherMAX	1.5	LB AE/A	42.7	FL OZ/A	21	DAB C	308	156	14	2750	3
	AMS	2	% W/W	2.5	LB/A	21	DAB C	401	185	14	2958	3
								Mean =	162	14	2790	3
4	Roundup WeatherMAX	0.75	LB AE/A	21.3	FL OZ/A	3-4	Trif D	104	163	14	2794	4
	AMS	2	% W/W	2.5	LB/A	3-4	Trif D	202	178	14	2901	4
								307	168	14	2838	3
								402	158	14	2747	3
								Mean =	167	14	2820	3
5	Roundup WeatherMAX	1.5	LB AE/A	42.7	FL OZ/A	3-4	Trif D	105	172	13	2913	3
	AMS	2	% W/W	2.5	LB/A	3-4	Trif D	211	183	12	3028	3
								304	159	14	2738	4
								407	151	14	2691	3
								Mean =	166	13	2843	3
6	Balan EC	1.13	LB A/A	3	QT/A	PPI	A	106	159	13	2794	4
	Butyrac 200	1	LB A/A	2	QT/A	2	Trifol B	208	164	13	2826	3
								309	167	13	2861	3
								411	192	13	3057	3
								Mean =	171	13	2885	3
7	Butyrac 200	1	LB A/A	2	QT/A	2	Trifol B	107	160	13	2838	3
	Poast	0.382	LB A/A	1	QT/A	2	Trifol B	203	166	14	2816	3
	COC	1.67	% V/V	1	QT/A	2	Trifol B	310	176	13	2944	3
								403	168	15	2797	3
								Mean =	168	14	2849	3
8	Pursuit DG	0.063	LB A/A	1.44	OZ/A	2	Trifol B	108	167	13	2907	3
	NIS	0.25	% V/V	0.25	% V/V	2	Trifol B	205	161	14	2769	4
	AMS	2	% W/W	2.5	LB/A	2	Trifol B	306	161	13	2823	4
								410	159	12	2802	3
								Mean =	162	13	2825	3
9	Pursuit DG	0.063	LB A/A	1.44	OZ/A	3-4	Trif D	109	163	12	2889	3
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4	Trif D	210	166	13	2851	3
	NIS	0.25	% V/V	0.25	% V/V	3-4	Trif D	302	156	14	2702	3
	AMS	2	% W/W	2.5	LB/A	3-4	Trif D	408	145	13	2644	3
								Mean =	158	13	2772	3

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Weed Code									MEDSA	MEDSA	MEDSA	MEDSA
Crop Code									FORAGE C	FORAGE C	FORAGE C	FORAGE C
Part Rated									RFO	ASH	Milk/T	YIELD
Rating Data Type												TON/ACRE
Rating Unit												
Rating Date									20/Sep/2006	20/Sep/2006	20/Sep/2006	
Crop Stage									Harvest3	Harvest3	Harvest3	Harv 1-3
Crop Stage Scale												
Weed Stage												
Weed Density, Unit												
Footnote Number												5
Assessed By												
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	97	98	99	100
10	Raptor	0.039	LB A/A	5	FL OZ/A	3-4 Trif	D	110	186	13	3040	3
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D	201	170	14	2859	3
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D	311	173	12	2944	3
	AMS	2	% W/W	2.5	LB/A	3-4 Trif	D	404	181	14	2970	3
								Mean =	178	13	2953	3
11	Spring Seeded Oats					COVER	A	111	185	13	3033	3
								207	176	14	2898	3
								301	187	15	2966	3
								405	162	14	2772	3
								Mean =	178	14	2917	3

Column 100 Footnote: Total Yield Summary over all three harvests

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Roundup Ready Alfalfa System vs. Conventional - External

Trial ID: 06S-ACR-CTA-11
 Location: ACRE

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

Weed Code							MEDSA	MEDSA	MEDSA	MEDSA	MEDSA	MEDSA	
Crop Code							Cloros	GR	Chloro	GR	Chloro	GR	
Part Rated							Crop Injury	Crop Injury	Crop Injury	Crop Injury	Crop Injury	Crop Injury	
Rating Data Type							%	%	%	%	%	%	
Rating Unit							17/May/2006	17/May/2006	30/May/2006	30/May/2006	5/Jun/2006	5/Jun/2006	
Rating Date							3-4leaf	3-4leaf	5-8trifl	5-8trifo	8-10TRI	8-10TRI	
Crop Stage									5-7 in	5-7 in	6-8IN	6-8IN	
Crop Stage Scale													
Weed Stage													
Weed Density, Unit													
Footnote Number													
Assessed By							EC + JM	AM	VMD	VAM	AW+VM	AW=VM	
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6
1	Untreated Check							0 c	0 c	0 a	0 c	0 a	0 b
2	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	2 Trifol	B	0 c	0 c	0 a	3 bc	0 a	1 b
	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	21 DAB	C						
	Roundup WeatherMAX AMS	2	% W/W	2.5	LB/A	2 Trifol	B						
	Roundup WeatherMAX AMS	2	% W/W	2.5	LB/A	21 DAB	C						
3	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	2 Trifol	B	0 c	0 c	0 a	0 c	0 a	0 b
	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	21 DAB	C						
	Roundup WeatherMAX AMS	2	% W/W	2.5	LB/A	2 Trifol	B						
	Roundup WeatherMAX AMS	2	% W/W	2.5	LB/A	21 DAB	C						
4	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	3-4 Trif	D	0 c	0 c	0 a	0 c	0 a	0 b
	Roundup WeatherMAX AMS	2	% W/W	2.5	LB/A	3-4 Trif	D						
5	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D	1 bc	0 c	0 a	0 c	0 a	0 b
	Roundup WeatherMAX AMS	2	% W/W	2.5	LB/A	3-4 Trif	D						
6	Balan EC	1.13	LB A/A	3	QT/A	PPI	A	0 c	8 b	0 a	6 bc	0 a	3 ab
	Butyrac 200	1	LB A/A	2	QT/A	2 Trifol	B						
7	Butyrac 200	1	LB A/A	2	QT/A	2 Trifol	B	5 a	15 a	0 a	21 a	0 a	9 a
	Poast	0.382	LB A/A	1	QT/A	2 Trifol	B						
	COC	1.67	% V/V	1	QT/A	2 Trifol	B						
8	Pursuit DG	0.063	LB A/A	1.44	OZ/A	2 Trifol	B	3 b	4 bc	0 a	5 bc	0 a	5 ab
	NIS	0.25	% V/V	0.25	% V/V	2 Trifol	B						
	AMS	2	% W/W	2.5	LB/A	2 Trifol	B						
9	Pursuit DG	0.063	LB A/A	1.44	OZ/A	3-4 Trif	D	0 c	3 bc	0 a	8 bc	0 a	4 ab
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D						
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D						
	AMS	2	% W/W	2.5	LB/A	3-4 Trif	D						
10	Raptor	0.039	LB A/A	5	FL OZ/A	3-4 Trif	D	0 c	0 c	0 a	11 b	0 a	8 a
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D						
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D						
	AMS	2	% W/W	2.5	LB/A	3-4 Trif	D						
11	Spring Seeded Oats					COVER	A	0 c	0 c	0 a	0 c	0 a	0 b
LSD (P=.05)							2.3	6.4	0.0	9.9	0.0	5.3	
Standard Deviation							1.6	4.4	0.0	6.9	0.0	3.7	
CV							203.24	169.64	0.0	143.53	0.0	137.14	
Grand Mean							0.8	2.61	0.0	4.8	0.0	2.68	
Bartlett's X2							0.771	2.591	0.0	2.345	0.0	4.845	
P(Bartlett's X2)							0.68	0.459	.	0.80	.	0.435	
Replicate F							1.957	2.187	0.000	3.103	0.000	8.964	
Replicate Prob(F)							0.1418	0.1102	1.0000	0.0414	1.0000	0.0002	
Treatment F							3.957	4.607	0.000	3.544	0.000	3.120	
Treatment Prob(F)							0.0016	0.0005	1.0000	0.0035	1.0000	0.0076	

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

Purdue University

Weed Code								MEDSA	MEDSA	MEDSA	MEDSA	CHEAL	AMARE
Crop Code								Chloro	GR	Chloro	Stunt	MEDSA	MEDSA
Part Rated								Crop Injury	Crop Injury	Crop Injury	Crop Injury	CONTRO	CONTRO
Rating Data Type								%	%	%	%	%	%
Rating Unit								12/Jun/2006	12/Jun/2006	26/Jun/2006	26/Jun/2006	26/Jun/2006	26/Jun/2006
Rating Date								16-20TRI	16-20TRI				
Crop Stage								8-12IN	8-12IN				
Crop Stage Scale												8-18"	8-18"
Weed Stage												7.5 YD2	7.5 YD2
Weed Density, Unit													
Footnote Number													
Assessed By								AW+VM	AW+VM	EC+GK	EC+GK	EC+GK	EC+GK
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	7	8	9	10	11	12
1	Untreated Check							0 a	0 b	0 a	0 a	0 c	0 c
2	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	2 Trifol	B	0 a	0 b	0 a	1 a	99 a	93 ab
		2	% W/W	2.5	LB/A	2 Trifol	B						
	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	21 DAB	C						
		2	% W/W	2.5	LB/A	21 DAB	C						
3	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	2 Trifol	B	0 a	0 b	0 a	3 a	100 a	78 b
		2	% W/W	2.5	LB/A	2 Trifol	B						
	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	21 DAB	C						
		2	% W/W	2.5	LB/A	21 DAB	C						
4	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	3-4 Trif	D	0 a	0 b	0 a	0 a	75 b	80 b
		2	% W/W	2.5	LB/A	3-4 Trif	D						
5	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D	0 a	0 b	0 a	0 a	93 a	96 ab
		2	% W/W	2.5	LB/A	3-4 Trif	D						
6	Balan EC	1.13	LB A/A	3	QT/A	PPI	A	0 a	1 ab	0 a	3 a	96 a	93 ab
	Butyrac 200	1	LB A/A	2	QT/A	2 Trifol	B						
7	Butyrac 200	1	LB A/A	2	QT/A	2 Trifol	B	0 a	2 a	0 a	1 a	70 b	84 ab
	Poast	0.382	LB A/A	1	QT/A	2 Trifol	B						
	COC	1.67	% V/V	1	QT/A	2 Trifol	B						
8	Pursuit DG	0.063	LB A/A	1.44	OZ/A	2 Trifol	B	0 a	0 b	0 a	1 a	99 a	100 a
	NIS	0.25	% V/V	0.25	% V/V	2 Trifol	B						
	AMS	2	% W/W	2.5	LB/A	2 Trifol	B						
9	Pursuit DG	0.063	LB A/A	1.44	OZ/A	3-4 Trif	D	0 a	0 b	0 a	0 a	100 a	100 a
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D						
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D						
	AMS	2	% W/W	2.5	LB/A	3-4 Trif	D						
10	Raptor	0.039	LB A/A	5	FL OZ/A	3-4 Trif	D	0 a	1 ab	0 a	3 a	100 a	100 a
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D						
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D						
	AMS	2	% W/W	2.5	LB/A	3-4 Trif	D						
11	Spring Seeded Oats					COVER	A	0 a	0 b	0 a	0 a	75 b	97 ab
LSD (P=.05)								0.0	1.7	0.0	3.7	17.3	19.4
Standard Deviation								0.0	1.2	0.0	2.6	12.0	13.4
CV								0.0	287.82	0.0	253.89	14.56	16.09
Grand Mean								0.0	0.41	0.0	1.02	82.34	83.54
Bartlett's X2								0.0	0.002	0.0	3.578	43.408	44.738
P(Bartlett's X2)								.	0.999	.	0.612	0.001*	0.001*
Replicate F								0.000	3.344	0.000	1.433	1.883	0.736
Replicate Prob(F)								1.0000	0.0322	1.0000	0.2528	0.1546	0.5390
Treatment F								0.000	1.525	0.000	0.708	24.559	18.402
Treatment Prob(F)								1.0000	0.1792	1.0000	0.7100	0.0001	0.0001

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

Purdue University

Weed Code							SETFA	ABUTH	MEDSA	MEDSA	T. Weeds	T. Weeds	AVESA	
Crop Code							MEDSA	MEDSA	FORAGE C	FORAGE C			FORAGE C	
Part Rated							CONTRO	CONTRO	WEIFRE	WEIDRY	WEIFRE	WEIDRY	WEIDRY	
Rating Data Type							%	%	G	G	G	G	G	
Rating Unit							26/Jun/2006	26/Jun/2006	10/Jul/2006	10/Jul/2006	10/Jul/2006	10/Jul/2006	10/Jul/2006	
Rating Date									Harvest1	Harvest1	Harvest1	Harvest1	Harvest1	
Crop Stage														
Crop Stage Scale							1-2FT	8-14"						
Weed Stage							1 YD2	1 YD2						
Weed Density, Unit									1	1	1	1	1	
Footnote Number														
Assessed By							EC+GK	EC+GK						
Trt No.	Treatment Name	Rate	Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	13	14	15	16	17	18	19
1	Untreated Check							0 c	0 c	185 d	51 d	377 a	82 a	0 b
2	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	2 Trifol	B	99 a	92 a	428 a	116 a	3 de	1 c	0 b
		2	% W/W	2.5	LB/A	2 Trifol	B							
	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	21 DAB	C							
		2	% W/W	2.5	LB/A	21 DAB	C							
3	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	2 Trifol	B	96 ab	100 a	340 bc	91 bc	24 cde	5 bc	0 b
		2	% W/W	2.5	LB/A	2 Trifol	B							
	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	21 DAB	C							
		2	% W/W	2.5	LB/A	21 DAB	C							
4	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	3-4 Trif	D	93 b	86 ab	330 bc	89 bc	72 bc	14 bc	0 b
		2	% W/W	2.5	LB/A	3-4 Trif	D							
5	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D	95 ab	95 a	375 ab	100 abc	37 b-e	7 bc	0 b
		2	% W/W	2.5	LB/A	3-4 Trif	D							
6	Balan EC	1.13	LB A/A	3	QT/A	PPI	A	96 ab	98 a	331 bc	93 bc	69 bcd	13 bc	0 b
	Butyrac 200	1	LB A/A	2	QT/A	2 Trifol	B							
7	Butyrac 200	1	LB A/A	2	QT/A	2 Trifol	B	93 b	69 b	311 bc	86 bc	96 b	19 b	0 b
	Poast	0.382	LB A/A	1	QT/A	2 Trifol	B							
	COC	1.67	% V/V	1	QT/A	2 Trifol	B							
8	Pursuit DG	0.063	LB A/A	1.44	OZ/A	2 Trifol	B	99 a	100 a	366 abc	101 abc	2 de	0 c	0 b
	NIS	0.25	% V/V	0.25	% V/V	2 Trifol	B							
	AMS	2	% W/W	2.5	LB/A	2 Trifol	B							
9	Pursuit DG	0.063	LB A/A	1.44	OZ/A	3-4 Trif	D	100 a	100 a	348 abc	103 ab	0 e	0 c	0 b
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D							
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D							
	AMS	2	% W/W	2.5	LB/A	3-4 Trif	D							
10	Raptor	0.039	LB A/A	5	FL OZ/A	3-4 Trif	D	96 ab	98 a	283 c	80 c	2 de	1 c	0 b
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D							
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D							
	AMS	2	% W/W	2.5	LB/A	3-4 Trif	D							
11	Spring Seeded Oats					COVER	A	95 ab	100 a	57 e	16 e	6 cde	2 c	180 a
LSD (P=.05)								5.6	21.5	84.6	21.7	67.4	14.6	16.5
Standard Deviation								3.9	14.9	58.6	15.0	46.7	10.1	11.5
CV								4.47	17.46	19.22	17.85	74.93	76.77	70.14
Grand Mean								87.43	85.11	304.75	84.05	62.3	13.14	16.34
Bartlett's X2								9.289	40.745	10.107	7.546	60.85	51.549	0.0
P(Bartlett's X2)								0.319	0.001*	0.431	0.673	0.001*	0.001*	.
Replicate F								3.055	0.944	1.111	0.551	0.784	0.791	1.000
Replicate Prob(F)								0.0441	0.4322	0.3599	0.6516	0.5123	0.5084	0.4064
Treatment F								222.247	16.006	12.188	13.838	22.074	22.010	89.445
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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

Column 15 Footnote: er 4 square foot

Column 16 Footnote: er 4 square foot

Column 17 Footnote: er 4 square foot

Purdue University

Weed Code	SETFA	ABUTH			T. Weeds	T. Weeds	
Crop Code	MEDSA	MEDSA	MEDSA	MEDSA			AVESA
Part Rated			FORAGE C	FORAGE C			FORAGE C
Rating Data Type	CONTRO	CONTRO	WEIFRE	WEIDRY	WEIFRE	WEIDRY	WEIDRY
Rating Unit	%	%	G	G	G	G	G
Rating Date	26/Jun/2006	26/Jun/2006	10/Jul/2006	10/Jul/2006	10/Jul/2006	10/Jul/2006	10/Jul/2006
Crop Stage			Harvest1	Harvest1	Harvest1	Harvest1	Harvest1
Crop Stage Scale							
Weed Stage	1-2FT	8-14"					
Weed Density, Unit	1 YD2	1 YD2					
Footnote Number			1	1	1	1	1
Assessed By	EC+GK	EC+GK					

Column 18 Footnote: er 4 square foot

Column 19 Footnote: er 4 square foot

Purdue University

Weed Code							MEDSA	MEDSA	T Weed +	MEDSA	AVESA	MEDSA		
Crop Code							FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C		
Part Rated							COUSTEM	COUSTEM	WEIDRY	DRYCOM	DRYCOM	WEIDRY		
Rating Data Type							NUMBER	NUMBER	G	%	%	%		
Rating Unit							10/Jul/2006	10/Jul/2006	10/Jul/2006	10/Jul/2006	10/Jul/2006	10/Jul/2006		
Rating Date							Harvest1	Harvest1	Harvest1	Harvest1	Harvest1	Harvest1		
Crop Stage														
Crop Stage Scale														
Weed Stage														
Weed Density, Unit														
Footnote Number							1	2	1			3		
Assessed By														
Trt No.	Treatment Name	Rate	Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	20	21	22	23	24	25	26
1	Untreated Check							105 c	26 c	133 b	38 d	0 b	62 a	8 a
2	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	2 Trifol	B	194 a	49 a	118 bc	99 ab	0 b	1 d	7 b
	Roundup WeatherMAX AMS	0.75	2 % WW	21.3	2.5 LB/A	21 DAB	B							
	Roundup WeatherMAX AMS	0.75	2 % WW	21.3	2.5 LB/A	21 DAB	C							
3	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	2 Trifol	B	168 ab	42 ab	96 cd	95 abc	0 b	5 cd	7 b
	Roundup WeatherMAX AMS	1.5	2 % WW	42.7	2.5 LB/A	2 Trifol	B							
	Roundup WeatherMAX AMS	1.5	2 % WW	42.7	2.5 LB/A	21 DAB	C							
	Roundup WeatherMAX AMS	1.5	2 % WW	42.7	2.5 LB/A	21 DAB	C							
4	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	3-4 Trif	D	168 ab	42 ab	103 cd	86 c	0 b	14 bc	7 ab
	Roundup WeatherMAX AMS	0.75	2 % WW	21.3	2.5 LB/A	3-4 Trif	D							
5	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D	172 ab	43 ab	107 c	94 abc	0 b	6 bcd	7 bc
	Roundup WeatherMAX AMS	1.5	2 % WW	42.7	2.5 LB/A	3-4 Trif	D							
6	Balan EC	1.13	LB A/A	3	QT/A	PPI	A	167 ab	42 ab	106 c	88 bc	0 b	12 bc	6 bcd
	Butyrac 200	1	LB A/A	2	QT/A	2 Trifol	B							
7	Butyrac 200	1	LB A/A	2	QT/A	2 Trifol	B	150 abc	37 abc	105 cd	83 c	0 b	17 b	6 bcd
	Poast	0.382	LB A/A	1	QT/A	2 Trifol	B							
	COC	1.67	% V/V	1	QT/A	2 Trifol	B							
8	Pursuit DG	0.063	LB A/A	1.44	OZ/A	2 Trifol	B	140 bc	35 bc	101 cd	99 ab	0 b	1 d	6 bcd
	NIS	0.25	% V/V	0.25	% V/V	2 Trifol	B							
	AMS	2	% WW	2.5	LB/A	2 Trifol	B							
9	Pursuit DG	0.063	LB A/A	1.44	OZ/A	3-4 Trif	D	132 bc	33 bc	103 cd	100 a	0 b	0 d	5 cd
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D							
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D							
	AMS	2	% WW	2.5	LB/A	3-4 Trif	D							
10	Raptor	0.039	LB A/A	5	FL OZ/A	3-4 Trif	D	131 bc	33 bc	80 d	99 ab	0 b	1 d	5 d
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D							
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D							
	AMS	2	% WW	2.5	LB/A	3-4 Trif	D							
11	Spring Seeded Oats					COVER	A	53 d	13 d	198 a	9 e	91 a	1 d	7 bcd
LSD (P=.05)								50.5	12.6	25.2	12.0	3.9	11.1	1.2
Standard Deviation								35.0	8.7	17.5	8.3	2.7	7.7	0.8
CV								24.39	24.39	15.4	10.23	33.05	71.29	12.29
Grand Mean								143.45	35.86	113.53	80.95	8.23	10.82	6.5
Bartlett's X2								10.352	10.352	14.338	36.427	0.0	47.134	4.955
P(Bartlett's X2)								0.41	0.41	0.158	0.001*	.	0.001*	0.894
Replicate F								0.057	0.057	0.211	0.339	1.000	0.469	0.538
Replicate Prob(F)								0.9818	0.9818	0.8881	0.7976	0.4064	0.7062	0.6596
Treatment F								4.977	4.977	12.330	51.731	402.759	21.590	3.241
Treatment Prob(F)								0.0003	0.0003	0.0001	0.0001	0.0001	0.0001	0.0061

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

Column 20 Footnote: er 4 square foot

Column 21 Footnote: per square foot

Column 22 Footnote: er 4 square foot

Column 26 Footnote: Total plot harvest was 0.00113 acre.

Purdue University

Weed Code								MEDSA FORAGE C WEIPLT TARE 10/Jul/2006 Harvest1	MEDSA FORAGE C WEIWET G 10/Jul/2006 Harvest1	MEDSA FORAGE C WEIDRY G 10/Jul/2006 Harvest1	MEDSA FORAGE C DRYMAT % 10/Jul/2006 Harvest1	MEDSA FORAGE C YIELD Ton/ACRE 10/Jul/2006 Harvest1	MEDSA FORAGE C CP 10/Jul/2006 Harvest1	MEDSA FORAGE C ADF 10/Jul/2006 Harvest1
Tri	Treatment	Rate	Product	Product	Grow	Appl								
No.	Name	Rate	Unit	Rate	Rate Unit	Stg	Code	27	28	29	30	31	32	33
1	Untreated Check							6 a	344 c	90 e	0 c	2 a	16 b	24 b
2	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	2 Trifol	B	5 b	431 a	110 bcd	0 c	1 cde	18 ab	26 b
	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	21 DAB	C							
	Roundup WeatherMAX AMS	2	% W/W	2.5	LB/A	21 DAB	C							
3	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	2 Trifol	B	5 b	355 bc	97 cde	0 c	1 bcd	19 ab	25 b
	Roundup WeatherMAX AMS	2	% W/W	2.5	LB/A	2 Trifol	B							
	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	21 DAB	C							
	Roundup WeatherMAX AMS	2	% W/W	2.5	LB/A	21 DAB	C							
4	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	3-4 Trif	D	5 ab	347 c	97 cde	0 c	1 abc	19 a	26 b
	AMS	2	% W/W	2.5	LB/A	3-4 Trif	D							
5	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D	5 bc	366 bc	100 cde	0 c	1 cde	20 a	25 b
	AMS	2	% W/W	2.5	LB/A	3-4 Trif	D							
6	Balan EC	1.13	LB A/A	3	QT/A	PPI	A	4 bcd	345 c	96 de	0 c	1 cde	19 ab	23 b
	Butyrac 200	1	LB A/A	2	QT/A	2 Trifol	B							
7	Butyrac 200	1	LB A/A	2	QT/A	2 Trifol	B	5 bcd	363 bc	101 cde	0 c	1 cde	19 ab	24 b
	Poast	0.382	LB A/A	1	QT/A	2 Trifol	B							
	COC	1.67	% V/V	1	QT/A	2 Trifol	B							
8	Pursuit DG	0.063	LB A/A	1.44	OZ/A	2 Trifol	B	5 bcd	344 c	101 cde	0 bc	1 cd	19 a	24 b
	NIS	0.25	% V/V	0.25	% V/V	2 Trifol	B							
	AMS	2	% W/W	2.5	LB/A	2 Trifol	B							
9	Pursuit DG	0.063	LB A/A	1.44	OZ/A	3-4 Trif	D	4 cd	360 bc	116 abc	0 ab	1 de	18 ab	24 b
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D							
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D							
	AMS	2	% W/W	2.5	LB/A	3-4 Trif	D							
10	Raptor	0.039	LB A/A	5	FL OZ/A	3-4 Trif	D	4 d	404 ab	121 ab	0 abc	1 e	18 ab	24 b
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D							
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D							
	AMS	2	% W/W	2.5	LB/A	3-4 Trif	D							
11	Spring Seeded Oats					COVER	A	5 bcd	384 abc	131 a	0 a	2 ab	11 c	37 a
LSD (P=.05)								1.2	54.6	19.1	0.0	0.2	2.7	4.3
Standard Deviation								0.8	37.8	13.2	0.0	0.2	1.9	3.0
CV								16.78	10.29	12.55	10.01	12.63	10.77	11.62
Grand Mean								4.76	367.55	105.39	0.29	1.31	17.6	25.53
Bartlett's X2								4.955	18.51	4.796	8.804	11.004	27.18	16.389
P(Bartlett's X2)								0.894	0.047*	0.904	0.551	0.357	0.002*	0.089
Replicate F								0.538	0.406	0.267	0.011	1.193	0.836	0.662
Replicate Prob(F)								0.6598	0.7497	0.8489	0.9985	0.3292	0.4850	0.5821
Treatment F								3.241	2.234	3.531	3.070	3.878	6.772	6.966
Treatment Prob(F)								0.0061	0.0435	0.0035	0.0084	0.0019	0.0001	0.0001

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

Column 27 Footnote: Total plot harvest was 0.00113 acre.

Purdue University

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date Crop Stage Crop Stage Scale Weed Stage Weed Density, Unit Footnote Number Assessed By							MEDSA FORAGE C NDF	MEDSA FORAGE C ADL	MEDSA FORAGE C IVTD	MEDSA FORAGE C NDFD	MEDSA FORAGE C TDN	MEDSA FORAGE C RFV	MEDSA FORAGE C RFQ	
							10/Jul/2006 Harvest1	10/Jul/2006 Harvest1	10/Jul/2006 Harvest1	10/Jul/2006 Harvest1	10/Jul/2006 Harvest1	10/Jul/2006 Harvest1	10/Jul/2006 Harvest1	
Trt No.	Treatment Name	Rate	Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	34	35	36	37	38	39	40
1	Untreated Check							30 b	6 b	88 a	54 a	66 a	222 a	232 a
2	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	2 Trifol	B	31 b	6 b	82 b	54 a	66 a	205 a	220 a
	Roundup WeatherMAX AMS	2	% WW	2.5	LB/A	2 Trifol	B							
	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	21 DAB	C							
	Roundup WeatherMAX AMS	2	% WW	2.5	LB/A	21 DAB	C							
3	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	2 Trifol	B	31 b	6 b	83 b	55 a	67 a	211 a	230 a
	Roundup WeatherMAX AMS	2	% WW	2.5	LB/A	2 Trifol	B							
	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	21 DAB	C							
	Roundup WeatherMAX AMS	2	% WW	2.5	LB/A	21 DAB	C							
4	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	3-4 Trif	D	31 b	6 b	83 b	54 a	66 a	209 a	223 a
	Roundup WeatherMAX AMS	2	% WW	2.5	LB/A	3-4 Trif	D							
5	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D	30 b	6 b	83 b	55 a	68 a	219 a	239 a
	Roundup WeatherMAX AMS	2	% WW	2.5	LB/A	3-4 Trif	D							
6	Balan EC	1.13	LB A/A	3	QT/A	PPI	A	28 b	5 b	85 b	58 a	70 a	233 a	259 a
	Butyrac 200	1	LB A/A	2	QT/A	2 Trifol	B							
7	Butyrac 200	1	LB A/A	2	QT/A	2 Trifol	B	29 b	6 b	85 b	56 a	68 a	225 a	246 a
	Poast	0.382	LB A/A	1	QT/A	2 Trifol	B							
	COC	1.67	% V/V	1	QT/A	2 Trifol	B							
8	Pursuit DG	0.063	LB A/A	1.44	OZ/A	2 Trifol	B	29 b	6 b	83 b	57 a	69 a	228 a	253 a
	NIS	0.25	% V/V	0.25	% V/V	2 Trifol	B							
	AMS	2	% WW	2.5	LB/A	2 Trifol	B							
9	Pursuit DG	0.063	LB A/A	1.44	OZ/A	3-4 Trif	D	29 b	6 b	83 b	55 a	68 a	225 a	246 a
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D							
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D							
	AMS	2	% WW	2.5	LB/A	3-4 Trif	D							
10	Raptor	0.039	LB A/A	5	FL OZ/A	3-4 Trif	D	29 b	6 b	83 b	56 a	69 a	227 a	250 a
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D							
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D							
	AMS	2	% WW	2.5	LB/A	3-4 Trif	D							
11	Spring Seeded Oats					COVER	A	46 a	9 a	74 c	46 b	59 b	126 b	130 b
LSD (P=.05)								4.8	1.3	2.8	5.6	4.6	34.6	48.5
Standard Deviation								3.3	0.9	1.9	3.9	3.2	23.9	33.6
CV								10.64	14.22	2.31	7.13	4.72	11.31	14.63
Grand Mean								31.19	6.13	82.8	54.32	66.78	211.68	229.61
Bartlett's X2								20.638	8.869	18.476	16.29	7.796	8.622	8.222
P(Bartlett's X2)								0.024*	0.545	0.047*	0.092	0.649	0.568	0.607
Replicate F								0.314	0.210	0.924	1.567	0.705	0.316	0.488
Replicate Prob(F)								0.8150	0.8890	0.4414	0.2180	0.5567	0.8140	0.6931
Treatment F								8.903	5.782	11.635	2.727	3.685	6.165	4.421
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0163	0.0027	0.0001	0.0007

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

Purdue University

Weed Code								MEDSA	MEDSA	MEDSA	SETFA	AMARE	CHEAL
Crop Code								FORAGE C	FORAGE C	FORAGE C	MEDSA	MEDSA	MEDSA
Part Rated								ASH	Milk/T				
Rating Data Type													
Rating Unit													
Rating Date								10/Jul/2006	10/Jul/2006	16/Aug/2006	16/Aug/2006	16/Aug/2006	16/Aug/2006
Crop Stage								Harvest1	Harvest1	10% Bloo	10% Bloo	10% Bloo	10% Bloo
Crop Stage Scale										12-28"	12-28"	12-28"	12-28"
Weed Stage											24-36"	18-36"	24-36"
Weed Density, Unit											10 YD2	10 YD2	7 YD2
Footnote Number													
Assessed By										VMD + GK	VMD + GK	VMD + GK	VMD + GK
Trt No.	Treatment Name	Rate	Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	41	42	43	44	45	46
1	Untreated Check							13 a	3221 a	0 a	0 e	0 d	0 c
2	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	2 Trifol	B	12 bc	3290 a	0 a	93 abc	73 abc	96 a
		2	% W/W	2.5	LB/A	2 Trifol	B						
	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	21 DAB	C						
		2	% W/W	2.5	LB/A	21 DAB	C						
3	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	2 Trifol	B	11 bc	3376 a	0 a	85 a-d	63 abc	99 a
		2	% W/W	2.5	LB/A	2 Trifol	B						
	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	21 DAB	C						
		2	% W/W	2.5	LB/A	21 DAB	C						
4	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	3-4 Trif	D	12 ab	3270 a	0 a	85 a-d	65 abc	93 a
		2	% W/W	2.5	LB/A	3-4 Trif	D						
5	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D	12 bc	3409 a	0 a	75 a-d	68 abc	97 a
		2	% W/W	2.5	LB/A	3-4 Trif	D						
6	Balan EC	1.13	LB A/A	3	QT/A	PPI	A	11 bcd	3564 a	0 a	93 ab	73 abc	93 a
	Butyrac 200	1	LB A/A	2	QT/A	2 Trifol	B						
7	Butyrac 200	1	LB A/A	2	QT/A	2 Trifol	B	12 abc	3425 a	0 a	69 cd	40 c	85 a
	Poast	0.382	LB A/A	1	QT/A	2 Trifol	B						
	COC	1.67	% V/V	1	QT/A	2 Trifol	B						
8	Pursuit DG	0.063	LB A/A	1.44	OZ/A	2 Trifol	B	11 cd	3527 a	0 a	95 ab	100 a	90 a
	NIS	0.25	% V/V	0.25	% V/V	2 Trifol	B						
	AMS	2	% W/W	2.5	LB/A	2 Trifol	B						
9	Pursuit DG	0.063	LB A/A	1.44	OZ/A	3-4 Trif	D	11 cd	3446 a	0 a	98 a	97 ab	100 a
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D						
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D						
	AMS	2	% W/W	2.5	LB/A	3-4 Trif	D						
10	Raptor	0.039	LB A/A	5	FL OZ/A	3-4 Trif	D	11 bcd	3484 a	0 a	64 d	74 abc	97 a
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D						
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D						
	AMS	2	% W/W	2.5	LB/A	3-4 Trif	D						
11	Spring Seeded Oats					COVER	A	10 d	2639 b	0 a	71 bcd	63 bc	51 b
LSD (P=.05)								1.5	373.0	0.0	23.8	36.6	20.0
Standard Deviation								1.1	258.3	0.0	16.5	25.3	13.8
CV								9.3	7.75	0.0	21.95	39.01	16.9
Grand Mean								11.43	3331.89	0.0	74.95	64.91	81.89
Bartlett's X2								5.401	8.666	0.0	33.328	29.41	41.93
P(Bartlett's X2)								0.863	0.564	.	0.001*	0.001*	0.001*
Replicate F								0.825	0.688	0.000	7.852	3.508	0.903
Replicate Prob(F)								0.4905	0.5665	1.0000	0.0005	0.0272	0.4514
Treatment F								3.257	3.847	0.000	11.091	4.555	19.311
Treatment Prob(F)								0.0059	0.0020	1.0000	0.0001	0.0006	0.0001

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

Purdue University

Weed Code							MEDSA	MEDSA	T Weeds	T Weeds	MEDSA	MEDSA	
Crop Code							FORAGE C	FORAGE C			FORAGE C	FORAGE C	
Part Rated							WEIFRE	WEIDRY	WEIFRE	WEIDRY	COUSTEM	COUSTEM	
Rating Data Type							G	G	G	G	NUMBER	NUMBER	
Rating Unit							16/Aug/2006	16/Aug/2006	16/Aug/2006	16/Aug/2006	16/Aug/2006	16/Aug/2006	
Rating Date							Harvest2	Harvest2	Harvest2	Harvest2	Harvest2	Harvest2	
Crop Stage													
Crop Stage Scale													
Weed Stage													
Weed Density, Unit													
Footnote Number							1	1	1	1	1	2	
Assessed By													
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	47	48	49	50	51	52
1	Untreated Check							433 cd	88 c	136 ab	21 ab	172 ab	43 ab
2	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	2 Trifol	B	636 a	134 a	41 abc	7 abc	198 a	50 a
	Roundup WeatherMAX AMS	2	% W/W	2.5	LB/A	2 Trifol	B						
	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	21 DAB	C						
	Roundup WeatherMAX AMS	2	% W/W	2.5	LB/A	21 DAB	C						
3	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	2 Trifol	B	535 a-d	113 abc	97 abc	18 abc	156 b	39 b
	Roundup WeatherMAX AMS	2	% W/W	2.5	LB/A	2 Trifol	B						
	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	21 DAB	C						
	Roundup WeatherMAX AMS	2	% W/W	2.5	LB/A	21 DAB	C						
4	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	3-4 Trif	D	562 ab	120 ab	59 abc	13 abc	181 ab	45 ab
	Roundup WeatherMAX AMS	2	% W/W	2.5	LB/A	3-4 Trif	D						
5	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D	606 a	130 ab	35 bc	6 abc	192 ab	48 ab
	Roundup WeatherMAX AMS	2	% W/W	2.5	LB/A	3-4 Trif	D						
6	Balan EC	1.13	LB A/A	3	QT/A	PPI	A	573 ab	129 ab	71 abc	12 abc	187 ab	47 ab
	Butyrac 200	1	LB A/A	2	QT/A	2 Trifol	B						
7	Butyrac 200	1	LB A/A	2	QT/A	2 Trifol	B	474 bcd	102 bc	149 a	24 a	173 ab	43 ab
	Poast	0.382	LB A/A	1	QT/A	2 Trifol	B						
	COC	1.67	% V/V	1	QT/A	2 Trifol	B						
8	Pursuit DG	0.063	LB A/A	1.44	OZ/A	2 Trifol	B	560 abc	116 abc	23 c	5 abc	166 ab	41 ab
	NIS	0.25	% V/V	0.25	% V/V	2 Trifol	B						
	AMS	2	% W/W	2.5	LB/A	2 Trifol	B						
9	Pursuit DG	0.063	LB A/A	1.44	OZ/A	3-4 Trif	D	544 a-d	119 abc	1 c	1 c	183 ab	46 ab
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D						
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D						
	AMS	2	% W/W	2.5	LB/A	3-4 Trif	D						
10	Raptor	0.039	LB A/A	5	FL OZ/A	3-4 Trif	D	546 a-d	122 ab	27 c	4 bc	175 ab	44 ab
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D						
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D						
	AMS	2	% W/W	2.5	LB/A	3-4 Trif	D						
11	Spring Seeded Oats					COVER	A	429 d	88 c	81 abc	14 abc	176 ab	44 ab
LSD (P=.05)								127.6	30.6	107.9	19.8	37.6	9.4
Standard Deviation								88.3	21.2	74.7	13.7	26.0	6.5
CV								16.48	18.49	114.17	122.44	14.63	14.63
Grand Mean								535.91	114.59	65.43	11.23	177.95	44.49
Bartlett's X2								4.091	5.49	51.063	43.359	9.506	9.506
P(Bartlett's X2)								0.943	0.856	0.001*	0.001*	0.485	0.485
Replicate F								3.022	1.338	1.528	1.355	1.183	1.183
Replicate Prob(F)								0.0450	0.2805	0.2275	0.2753	0.3326	0.3326
Treatment F								2.229	2.211	1.594	1.244	0.840	0.840
Treatment Prob(F)								0.0439	0.0455	0.1563	0.3047	0.5952	0.5952

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

Column 47 Footnote: er 4 square foot

Column 48 Footnote: er 4 square foot

Column 49 Footnote: er 4 square foot

Column 50 Footnote: er 4 square foot

Purdue University

Weed Code	MEDSA	MEDSA	T Weeds	T Weeds	MEDSA	MEDSA
Crop Code	FORAGE C	FORAGE C			FORAGE C	FORAGE C
Part Rated	WEIFRE	WEIDRY	WEIFRE	WEIDRY	COUSTEM	COUSTEM
Rating Data Type					NUMBER	NUMBER
Rating Unit	G	G	G	G		
Rating Date	16/Aug/2006	16/Aug/2006	16/Aug/2006	16/Aug/2006	16/Aug/2006	16/Aug/2006
Crop Stage	Harvest2	Harvest2	Harvest2	Harvest2	Harvest2	Harvest2
Crop Stage Scale						
Weed Stage						
Weed Density, Unit						
Footnote Number	1	1	1	1	1	2
Assessed By						

Column 51 Footnote: er 4 square foot

Column 52 Footnote: per square foot

Purdue University

Weed Code	T Weed +	MEDSA	MEDSA	MEDSA	MEDSA	MEDSA	MEDSA
Crop Code	FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C
Part Rated	WEIDRY	DRYCOM	WEIDRY	WEIPLT	WEIPLT	WEIFRE	
Rating Data Type	G	%	%	KG	TARE	G	
Rating Unit	16/Aug/2006	16/Aug/2006	16/Aug/2006	16/Aug/2006	16/Aug/2006	16/Aug/2006	
Rating Date	Harvest2	Harvest2	Harvest2	Harvest2	Harvest2	Harvest2	
Crop Stage							
Crop Stage Scale							
Weed Stage							
Weed Density, Unit							
Footnote Number	1			3	3		
Assessed By							
Tri	Treatment	Rate	Product	Product	Grow	Appl	
No.	Name	Rate	Unit	Rate	Rate Unit	Stg	Code
1	Untreated Check						
							53
							54
							55
							56
							57
							58
1	Untreated Check						109 bc
2	Roundup WeatherMAX	0.75	LB AE/A	21.3	FL OZ/A	2 Trifol	B
	AMS	2	% W/W	2.5	LB/A	2 Trifol	B
	Roundup WeatherMAX	0.75	LB AE/A	21.3	FL OZ/A	21 DAB	C
	AMS	2	% W/W	2.5	LB/A	21 DAB	C
3	Roundup WeatherMAX	1.5	LB AE/A	42.7	FL OZ/A	2 Trifol	B
	AMS	2	% W/W	2.5	LB/A	2 Trifol	B
	Roundup WeatherMAX	1.5	LB AE/A	42.7	FL OZ/A	21 DAB	C
	AMS	2	% W/W	2.5	LB/A	21 DAB	C
4	Roundup WeatherMAX	0.75	LB AE/A	21.3	FL OZ/A	3-4 Trif	D
	AMS	2	% W/W	2.5	LB/A	3-4 Trif	D
5	Roundup WeatherMAX	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D
	AMS	2	% W/W	2.5	LB/A	3-4 Trif	D
6	Balan EC	1.13	LB A/A	3	QT/A	PPI	A
	Butyrac 200	1	LB A/A	2	QT/A	2 Trifol	B
7	Butyrac 200	1	LB A/A	2	QT/A	2 Trifol	B
	Poast	0.382	LB A/A	1	QT/A	2 Trifol	B
	COC	1.67	% V/V	1	QT/A	2 Trifol	B
8	Pursuit DG	0.063	LB A/A	1.44	OZ/A	2 Trifol	B
	NIS	0.25	% V/V	0.25	% V/V	2 Trifol	B
	AMS	2	% W/W	2.5	LB/A	2 Trifol	B
9	Pursuit DG	0.063	LB A/A	1.44	OZ/A	3-4 Trif	D
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D
	AMS	2	% W/W	2.5	LB/A	3-4 Trif	D
10	Raptor	0.039	LB A/A	5	FL OZ/A	3-4 Trif	D
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D
	AMS	2	% W/W	2.5	LB/A	3-4 Trif	D
11	Spring Seeded Oats					COVER	A
LSD (P=.05)							26.9
Standard Deviation							18.6
CV							14.8
Grand Mean							125.82
Bartlett's X2							9.12
P(Bartlett's X2)							0.521
Replicate F							0.617
Replicate Prob(F)							0.6097
Treatment F							1.741
Treatment Prob(F)							0.1170
							15.1
							10.5
							113.87
							9.19
							42.748
							0.001*
							0.001*
							19.897
							0.0001
							1.671
							0.1345
							0.846
							0.846
							5.624
							5.624
							0.0001
							0.0001
							0.514
							0.8668

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

Column 53 Footnote: er 4 square foot

Column 56 Footnote: Total plot harvest was 0.00113 acre.

Column 57 Footnote: Total plot harvest was 0.00113 acre.

Purdue University

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date Crop Stage Crop Stage Scale Weed Stage Weed Density, Unit Footnote Number Assessed By							MEDSA FORAGE C WEIDRY G 16/Aug/2006 Harvest2	MEDSA FORAGE C DRYMAT % 16/Aug/2006 Harvest2	MEDSA FORAGE C YIELD Ton/ACRE 16/Aug/2006 Harvest2	MEDSA FORAGE C CP 16/Aug/2006 Harvest2	MEDSA FORAGE C ADF 16/Aug/2006 Harvest2	MEDSA FORAGE C NDF 16/Aug/2006 Harvest2		
Tri	Treatment	Rate	Rate	Product	Product	Grow	Appl	59	60	61	62	63	64	
No.	Name	Rate	Unit	Rate	Rate	Unit	Stg	Code						
1	Untreated Check								87 ab	0 abc	1 c	21 ab	40 a	45 a
2	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	2	Trifol	B	80 b	0 bc	1 abc	20 b	40 a	46 a
		2	% W/W	2.5	LB/A	2	Trifol	B						
	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	21	DAB	C						
		2	% W/W	2.5	LB/A	21	DAB	C						
3	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	2	Trifol	B	80 b	0 bc	1 abc	20 b	41 a	47 a
		2	% W/W	2.5	LB/A	2	Trifol	B						
	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	21	DAB	C						
		2	% W/W	2.5	LB/A	21	DAB	C						
4	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	3-4	Trif	D	84 ab	0 bc	1 abc	21 ab	41 a	46 a
		2	% W/W	2.5	LB/A	3-4	Trif	D						
5	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	3-4	Trif	D	90 ab	0 abc	1 a	21 ab	41 a	47 a
		2	% W/W	2.5	LB/A	3-4	Trif	D						
6	Balan EC Butyrac 200	1.13	LB A/A	3	QT/A	PPI	A	A	86 ab	0 abc	1 abc	21 ab	40 a	46 a
		1	LB A/A	2	QT/A	2	Trifol	B						
7	Butyrac 200 Poast COC	1	LB A/A	2	QT/A	2	Trifol	B	81 b	0 c	1 abc	21 b	41 a	46 a
		0.382	LB A/A	1	QT/A	2	Trifol	B						
		1.67	% V/V	1	QT/A	2	Trifol	B						
8	Pursuit DG NIS AMS	0.063	LB A/A	1.44	OZ/A	2	Trifol	B	92 a	0 a	1 a	21 ab	40 a	46 a
		0.25	% V/V	0.25	% V/V	2	Trifol	B						
		2	% W/W	2.5	LB/A	2	Trifol	B						
9	Pursuit DG Roundup Original Max (ae) NIS AMS	0.063	LB A/A	1.44	OZ/A	3-4	Trif	D	88 ab	0 ab	1 bc	21 ab	40 a	46 a
		1.5	LB AE/A	42.7	FL OZ/A	3-4	Trif	D						
		0.25	% V/V	0.25	% V/V	3-4	Trif	D						
		2	% W/W	2.5	LB/A	3-4	Trif	D						
10	Raptor Roundup Original Max (ae) NIS AMS	0.039	LB A/A	5	FL OZ/A	3-4	Trif	D	86 ab	0 ab	1 ab	20 b	41 a	47 a
		1.5	LB AE/A	42.7	FL OZ/A	3-4	Trif	D						
		0.25	% V/V	0.25	% V/V	3-4	Trif	D						
		2	% W/W	2.5	LB/A	3-4	Trif	D						
11	Spring Seeded Oats					COVER	A		80 b	0 c	1 d	22 a	37 b	42 b
LSD (P=.05)								10.3	0.0	0.1	1.4	2.9	2.9	
Standard Deviation								7.1	0.0	0.1	0.9	2.0	2.0	
CV								8.4	5.05	7.45	4.47	4.93	4.41	
Grand Mean								84.8	0.21	1.34	20.97	40.14	46.06	
Bartlett's X2								11.665	21.066	6.667	10.153	14.84	10.42	
P(Bartlett's X2)								0.308	0.021*	0.756	0.427	0.138	0.404	
Replicate F								2.485	4.437	3.961	5.043	3.332	4.415	
Replicate Prob(F)								0.0798	0.0107	0.0172	0.0060	0.0326	0.0110	
Treatment F								1.450	2.238	4.029	1.177	1.553	1.658	
Treatment Prob(F)								0.2070	0.0432	0.0014	0.3436	0.1697	0.1380	

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

Purdue University

Weed Code								MEDSA	MEDSA	MEDSA	MEDSA	MEDSA	MEDSA
Crop Code								FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C
Part Rated								ADL	IVTD	NDFD	TDN	RFV	RFQ
Rating Data Type													
Rating Unit													
Rating Date								16/Aug/2006	16/Aug/2006	16/Aug/2006	16/Aug/2006	16/Aug/2006	16/Aug/2006
Crop Stage								Harvest2	Harvest2	Harvest2	Harvest2	Harvest2	Harvest2
Crop Stage Scale													
Weed Stage													
Weed Density, Unit													
Footnote Number													
Assessed By													
Tri	Treatment	Rate	Rate	Product	Product	Grow	Appl	65	66	67	68	69	70
No.	Name	Unit	Unit	Rate	Rate	Stg	Code						
1	Untreated Check							9 ab	73 ab	43 b	54 b	119 b	113 b
2	Roundup WeatherMAX AMS	0.75 2	LB AE/A % W/W	21.3 2.5	FL OZ/A LB/A	2 Trifol 2 Trifol	B B	9 a	72 b	42 b	53 b	116 b	109 b
	Roundup WeatherMAX AMS	0.75 2	LB AE/A % W/W	21.3 2.5	FL OZ/A LB/A	21 DAB 21 DAB	C C						
3	Roundup WeatherMAX AMS	1.5 2	LB AE/A % W/W	42.7 2.5	FL OZ/A LB/A	2 Trifol 2 Trifol	B B	9 a	71 b	42 b	53 b	114 b	109 b
	Roundup WeatherMAX AMS	1.5 2	LB AE/A % W/W	42.7 2.5	FL OZ/A LB/A	21 DAB 21 DAB	C C						
4	Roundup WeatherMAX AMS	0.75 2	LB AE/A % W/W	21.3 2.5	FL OZ/A LB/A	3-4 Trif 3-4 Trif	D D	10 a	72 b	42 b	53 b	115 b	108 b
5	Roundup WeatherMAX AMS	1.5 2	LB AE/A % W/W	42.7 2.5	FL OZ/A LB/A	3-4 Trif 3-4 Trif	D D	10 a	71 b	41 b	53 b	112 b	105 b
6	Balan EC Butyrac 200	1.13 1	LB A/A LB A/A	3 2	QT/A QT/A	PPI 2 Trifol	A B	9 a	72 b	43 b	54 b	117 b	112 b
7	Butyrac 200 Poast COC	1 0.382 1.67	LB A/A LB A/A % V/V	2 1 1	QT/A QT/A QT/A	2 Trifol 2 Trifol 2 Trifol	B B B	10 a	72 b	42 b	53 b	115 b	108 b
8	Pursuit DG NIS AMS	0.063 0.25 2	LB A/A % V/V % W/W	1.44 0.25 2.5	OZ/A % V/V LB/A	2 Trifol 2 Trifol 2 Trifol	B B B	10 a	71 b	42 b	53 b	116 b	109 b
9	Pursuit DG Roundup Original Max (ae) NIS AMS	0.063 1.5 0.25 2	LB A/A LB AE/A % V/V % W/W	1.44 42.7 0.25 2.5	OZ/A FL OZ/A % V/V LB/A	3-4 Trif 3-4 Trif 3-4 Trif 3-4 Trif	D D D D	10 a	71 b	42 b	54 b	117 b	110 b
10	Raptor Roundup Original Max (ae) NIS AMS	0.039 1.5 0.25 2	LB A/A LB AE/A % V/V % W/W	5 42.7 0.25 2.5	FL OZ/A FL OZ/A % V/V LB/A	3-4 Trif 3-4 Trif 3-4 Trif 3-4 Trif	D D D D	9 a	73 ab	43 b	54 b	113 b	110 b
11	Spring Seeded Oats					COVER	A	9 b	75 a	46 a	57 a	133 a	134 a
LSD (P=.05)								0.8	2.6	2.3	2.8	11.7	15.2
Standard Deviation								0.5	1.8	1.6	2.0	8.1	10.5
CV								5.77	2.54	3.69	3.66	6.96	9.46
Grand Mean								9.4	72.09	42.52	53.71	116.89	111.41
Bartlett's X2								14.197	10.234	11.832	16.787	13.592	16.224
P(Bartlett's X2)								0.164	0.42	0.296	0.079	0.192	0.093
Replicate F								3.317	2.122	4.126	1.930	4.364	2.757
Replicate Prob(F)								0.0331	0.1183	0.0146	0.1460	0.0115	0.0596
Treatment F								1.579	2.003	2.336	1.490	1.992	2.148
Treatment Prob(F)								0.1612	0.0692	0.0355	0.1915	0.0708	0.0517

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

Purdue University

Weed Code							MEDSA	MEDSA	MEDSA	MEDSA	MEDSA	T Weeds	
Crop Code							FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C		
Part Rated							ASH	Milk/T	Crop Injury	WEIFRE	WEIDRY	WEIFRE	
Rating Data Type									%	G	G	G	
Rating Unit							16/Aug/2006	16/Aug/2006	20/Sep/2006	20/Sep/2006	20/Sep/2006	20/Sep/2006	
Rating Date							Harvest2	Harvest2	Harvest3	Harvest3	Harvest3	Harvest3	
Crop Stage													
Crop Stage Scale													
Weed Stage													
Weed Density, Unit													
Footnote Number									4	1	1	1	
Assessed By													
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	71	72	73	74	75	76
1	Untreated Check							13 a	2328 b	0 a	343 ab	69 ab	14 a
2	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	2 Trifol	B	13 a	2259 b	0 a	313 bc	62 bc	2 ab
	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	21 DAB	C						
		2	% W/W	2.5	LB/A	2 Trifol	B						
		2	% W/W	2.5	LB/A	21 DAB	C						
3	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	2 Trifol	B	13 ab	2282 b	0 a	307 bc	62 bc	1 b
	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	21 DAB	C						
		2	% W/W	2.5	LB/A	2 Trifol	B						
		2	% W/W	2.5	LB/A	21 DAB	C						
4	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	3-4 Trif	D	13 ab	2263 b	0 a	261 c	59 bc	8 ab
		2	% W/W	2.5	LB/A	3-4 Trif	D						
5	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D	13 ab	2242 b	0 a	288 bc	63 bc	0 b
		2	% W/W	2.5	LB/A	3-4 Trif	D						
6	Balan EC	1.13	LB A/A	3	QT/A	PPI	A	12 ab	2347 b	0 a	387 a	78 a	0 b
	Butyrac 200	1	LB A/A	2	QT/A	2 Trifol	B						
7	Butyrac 200	1	LB A/A	2	QT/A	2 Trifol	B	13 a	2245 b	0 a	291 bc	60 bc	10 ab
	Poast	0.382	LB A/A	1	QT/A	2 Trifol	B						
	COC	1.67	% V/V	1	QT/A	2 Trifol	B						
8	Pursuit DG	0.063	LB A/A	1.44	OZ/A	2 Trifol	B	13 ab	2272 b	0 a	308 bc	62 bc	0 b
	NIS	0.25	% V/V	0.25	% V/V	2 Trifol	B						
	AMS	2	% W/W	2.5	LB/A	2 Trifol	B						
9	Pursuit DG	0.063	LB A/A	1.44	OZ/A	3-4 Trif	D	12 b	2305 b	0 a	307 bc	64 bc	4 ab
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D						
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D						
	AMS	2	% W/W	2.5	LB/A	3-4 Trif	D						
10	Raptor	0.039	LB A/A	5	FL OZ/A	3-4 Trif	D	13 ab	2310 b	0 a	295 bc	62 bc	1 b
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D						
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D						
	AMS	2	% W/W	2.5	LB/A	3-4 Trif	D						
11	Spring Seeded Oats					COVER	A	13 ab	2580 a	0 a	265 c	55 c	9 ab
LSD (P=.05)								1.0	220.3	0.0	69.1	12.6	12.3
Standard Deviation								0.7	152.6	0.0	47.9	8.7	8.5
CV								5.23	6.6	0.0	15.65	13.79	194.91
Grand Mean								12.84	2312.02	0.0	305.86	63.05	4.37
Bartlett's X2								11.462	17.474	0.0	16.371	4.517	50.482
P(Bartlett's X2)								0.323	0.065	.	0.09	0.921	0.001*
Replicate F								0.215	2.003	0.000	3.225	1.354	1.024
Replicate Prob(F)								0.8852	0.1347	1.0000	0.0364	0.2757	0.3958
Treatment F								1.132	1.552	0.000	2.177	1.828	1.332
Treatment Prob(F)								0.3723	0.1699	1.0000	0.0488	0.0984	0.2587

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

Column 73 Footnote: No injury or weeds thick enough to take notes

Column 74 Footnote: er 4 square foot

Column 75 Footnote: er 4 square foot

Column 76 Footnote: er 4 square foot

Purdue University

Weed Code							T Weeds	MEDSA	MEDSA	T Weed +	MEDSA	MEDSA	
Crop Code							WEIDRY	FORAGE C	FORAGE C	MEDSA	FORAGE C	FORAGE C	
Part Rated							G	COUSTEM	COUSTEM	WEIDRY	DRYCOM	WEIDRY	
Rating Data Type							NUMBER	NUMBER	G	%	%		
Rating Unit							20/Sep/2006	20/Sep/2006	20/Sep/2006	20/Sep/2006	20/Sep/2006	20/Sep/2006	
Rating Date							Harvest3	Harvest3	Harvest3	Harvest3	Harvest3	Harvest3	
Crop Stage													
Crop Stage Scale													
Weed Stage													
Weed Density, Unit													
Footnote Number							1	1	2	1			
Assessed By													
Trt No.	Treatment Name	Rate	Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	77	78	79	80	81	82
1	Untreated Check							1 ab	186 b	46 b	70 ab	98 ab	2 ab
2	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	2 Trifol	B	1 ab	201 b	50 b	63 bc	99 ab	1 ab
		2	% WW	2.5	LB/A	2 Trifol	B						
	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	21 DAB	C						
		2	% WW	2.5	LB/A	21 DAB	C						
3	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	2 Trifol	B	1 ab	189 b	47 b	63 bc	99 ab	1 ab
		2	% WW	2.5	LB/A	2 Trifol	B						
	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	21 DAB	C						
		2	% WW	2.5	LB/A	21 DAB	C						
4	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	3-4 Trif	D	1 ab	192 b	48 b	60 bc	98 ab	2 ab
		2	% WW	2.5	LB/A	3-4 Trif	D						
5	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D	0 b	195 b	49 b	63 bc	100 a	0 b
		2	% WW	2.5	LB/A	3-4 Trif	D						
6	Balan EC	1.13	LB A/A	3	QT/A	PPI	A	0 b	248 a	62 a	78 a	100 a	0 b
	Butyrac 200	1	LB A/A	2	QT/A	2 Trifol	B						
7	Butyrac 200	1	LB A/A	2	QT/A	2 Trifol	B	2 a	199 b	50 b	62 bc	96 b	4 a
	Poast	0.382	LB A/A	1	QT/A	2 Trifol	B						
	COC	1.67	% V/V	1	QT/A	2 Trifol	B						
8	Pursuit DG	0.063	LB A/A	1.44	OZ/A	2 Trifol	B	0 b	207 b	52 b	62 bc	100 a	0 b
	NIS	0.25	% V/V	0.25	% V/V	2 Trifol	B						
	AMS	2	% WW	2.5	LB/A	2 Trifol	B						
9	Pursuit DG	0.063	LB A/A	1.44	OZ/A	3-4 Trif	D	1 ab	197 b	49 b	64 bc	99 ab	1 ab
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D						
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D						
	AMS	2	% WW	2.5	LB/A	3-4 Trif	D						
10	Raptor	0.039	LB A/A	5	FL OZ/A	3-4 Trif	D	1 ab	201 b	50 b	62 bc	99 ab	1 ab
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D						
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D						
	AMS	2	% WW	2.5	LB/A	3-4 Trif	D						
11	Spring Seeded Oats					COVER	A	2 ab	186 b	47 b	57 c	97 ab	3 ab
LSD (P=.05)							1.9	40.3	10.1	12.5	3.2	3.2	
Standard Deviation							1.3	27.9	7.0	8.6	2.2	2.2	
CV							153.8	13.95	13.95	13.53	2.26	160.32	
Grand Mean							0.84	200.09	50.02	63.89	98.61	1.39	
Bartlett's X2							18.525	13.829	13.829	4.582	22.028	22.017	
P(Bartlett's X2)							0.03*	0.181	0.181	0.917	0.009*	0.009*	
Replicate F							1.608	0.154	0.154	1.017	1.637	1.652	
Replicate Prob(F)							0.2083	0.9265	0.9265	0.3991	0.2016	0.1984	
Treatment F							1.054	1.532	1.532	1.698	1.142	1.146	
Treatment Prob(F)							0.4253	0.1768	0.1768	0.1275	0.3658	0.3631	

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

Column 77 Footnote: er 4 square foot

Column 78 Footnote: er 4 square foot

Column 79 Footnote: per square foot

Column 80 Footnote: er 4 square foot

Purdue University

Weed Code								MEDSA	MEDSA	MEDSA	MEDSA	MEDSA	MEDSA
Crop Code								FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C
Part Rated								WEIPLT	WEIPLT	WEIFRE	WEIDRY	DRYMAT	YIELD
Rating Data Type								KG	TARE	G	G	%	Ton/ACRE
Rating Unit								20/Sep/2006	20/Sep/2006	20/Sep/2006	20/Sep/2006	20/Sep/2006	20/Sep/2006
Rating Date								Harvest3	Harvest3	Harvest3	Harvest3	Harvest3	Harvest3
Crop Stage													
Crop Stage Scale													
Weed Stage													
Weed Density, Unit													
Footnote Number								3	3				
Assessed By													
Tri	Treatment	Rate	Unit	Product	Product	Grow	Appl	83	84	85	86	87	88
No.	Name	Rate	Unit	Rate	Rate	Stg	Code						
1	Untreated Check							5 ab	3 ab	407 ab	81 b	0 b	1 ab
2	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	2 Trifol	B	5 a	4 a	438 ab	92 ab	0 ab	1 ab
	Roundup WeatherMAX AMS	2	% WW	2.5	LB/A	2 Trifol	B						
	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	21 DAB	C						
	Roundup WeatherMAX AMS	2	% WW	2.5	LB/A	21 DAB	C						
3	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	2 Trifol	B	5 a	4 a	443 a	92 ab	0 ab	1 ab
	Roundup WeatherMAX AMS	2	% WW	2.5	LB/A	2 Trifol	B						
	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	21 DAB	C						
	Roundup WeatherMAX AMS	2	% WW	2.5	LB/A	21 DAB	C						
4	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	3-4 Trif	D	5 ab	3 ab	426 ab	89 ab	0 ab	1 ab
	Roundup WeatherMAX AMS	2	% WW	2.5	LB/A	3-4 Trif	D						
5	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D	5 abc	3 abc	409 ab	88 ab	0 a	1 abc
	Roundup WeatherMAX AMS	2	% WW	2.5	LB/A	3-4 Trif	D						
6	Balan EC	1.13	LB A/A	3	QT/A	PPI	A	5 ab	3 ab	371 b	79 b	0 a	1 a
	Butyrac 200	1	LB A/A	2	QT/A	2 Trifol	B						
7	Butyrac 200	1	LB A/A	2	QT/A	2 Trifol	B	5 ab	3 ab	436 ab	89 ab	0 ab	1 ab
	Poast	0.382	LB A/A	1	QT/A	2 Trifol	B						
	COC	1.67	% V/V	1	QT/A	2 Trifol	B						
8	Pursuit DG	0.063	LB A/A	1.44	OZ/A	2 Trifol	B	5 ab	3 ab	452 a	94 a	0 ab	1 ab
	NIS	0.25	% V/V	0.25	% V/V	2 Trifol	B						
	AMS	2	% WW	2.5	LB/A	2 Trifol	B						
9	Pursuit DG	0.063	LB A/A	1.44	OZ/A	3-4 Trif	D	5 ab	3 ab	373 b	81 b	0 a	1 a
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D						
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D						
	AMS	2	% WW	2.5	LB/A	3-4 Trif	D						
10	Raptor	0.039	LB A/A	5	FL OZ/A	3-4 Trif	D	5 bc	3 bc	415 ab	88 ab	0 ab	1 bc
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D						
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D						
	AMS	2	% WW	2.5	LB/A	3-4 Trif	D						
11	Spring Seeded Oats					COVER	A	5 c	3 c	443 a	94 a	0 ab	1 c
LSD (P=.05)								0.4	0.4	67.9	13.2	0.0	0.1
Standard Deviation								0.2	0.2	47.0	9.1	0.0	0.0
CV								4.69	7.2	11.21	10.4	4.19	7.19
Grand Mean								5.19	3.38	419.3	87.82	0.21	0.69
Bartlett's X2								12.228	12.227	17.629	14.834	30.383	10.818
P(Bartlett's X2)								0.27	0.27	0.062	0.138	0.001*	0.372
Replicate F								5.034	5.035	0.570	0.971	5.352	1.631
Replicate Prob(F)								0.0061	0.0061	0.6389	0.4194	0.0045	0.2029
Treatment F								2.218	2.218	1.382	1.387	1.152	1.800
Treatment Prob(F)								0.0449	0.0449	0.2355	0.2337	0.3592	0.1039

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

Column 83 Footnote: Total plot harvest was 0.00113 acre.

Column 84 Footnote: Total plot harvest was 0.00113 acre.

Purdue University

Weed Code								MEDSA	MEDSA	MEDSA	MEDSA	MEDSA	MEDSA
Crop Code								FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C
Part Rated								CP	ADF	NDF	ADL	IVTD	NDFD
Rating Data Type													
Rating Unit													
Rating Date								20/Sep/2006	20/Sep/2006	20/Sep/2006	20/Sep/2006	20/Sep/2006	20/Sep/2006
Crop Stage								Harvest3	Harvest3	Harvest3	Harvest3	Harvest3	Harvest3
Crop Stage Scale													
Weed Stage													
Weed Density, Unit													
Footnote Number													
Assessed By													
Tri	Treatment	Rate	Rate	Product	Product	Grow	Appl	89	90	91	92	93	94
No.	Name	Unit	Unit	Rate	Rate	Stg	Code						
1	Untreated Check							25 ab	31 c	35 bc	7 ab	80 a	50 a
2	Roundup WeatherMAX AMS	0.75 2	LB AE/A % W/W	21.3 2.5	FL OZ/A LB/A	2 Trifol 2 Trifol	B B	25 abc	33 a	38 a	8 a	78 b	48 ab
	Roundup WeatherMAX AMS	0.75 2	LB AE/A % W/W	21.3 2.5	FL OZ/A LB/A	21 DAB 21 DAB	C C						
3	Roundup WeatherMAX AMS	1.5 2	LB AE/A % W/W	42.7 2.5	FL OZ/A LB/A	2 Trifol 2 Trifol	B B	25 bc	33 ab	37 ab	8 a	79 ab	49 ab
	Roundup WeatherMAX AMS	1.5 2	LB AE/A % W/W	42.7 2.5	FL OZ/A LB/A	21 DAB 21 DAB	C C						
4	Roundup WeatherMAX AMS	0.75 2	LB AE/A % W/W	21.3 2.5	FL OZ/A LB/A	3-4 Trif 3-4 Trif	D D	25 abc	32 abc	36 abc	8 ab	79 ab	49 ab
5	Roundup WeatherMAX AMS	1.5 2	LB AE/A % W/W	42.7 2.5	FL OZ/A LB/A	3-4 Trif 3-4 Trif	D D	25 abc	32 abc	37 abc	8 ab	79 ab	48 ab
6	Balan EC Butyrac 200	1.13 1	LB A/A LB A/A	3 2	QT/A QT/A	PPI 2 Trifol	A B	25 abc	31 bc	36 abc	7 ab	79 ab	49 a
7	Butyrac 200 Poast COC	1 0.382 1.67	LB A/A LB A/A % V/V	2 1 1	QT/A QT/A QT/A	2 Trifol 2 Trifol 2 Trifol	B B B	25 ab	32 abc	37 abc	7 ab	79 ab	50 a
8	Pursuit DG NIS AMS	0.063 0.25 2	LB A/A % V/V % W/W	1.44 0.25 2.5	OZ/A % V/V LB/A	2 Trifol 2 Trifol 2 Trifol	B B B	24 c	33 abc	37 ab	8 ab	79 ab	48 ab
9	Pursuit DG Roundup Original Max (ae) NIS AMS	0.063 1.5 0.25 2	LB A/A LB AE/A % V/V % W/W	1.44 42.7 0.25 2.5	OZ/A FL OZ/A % V/V LB/A	3-4 Trif 3-4 Trif 3-4 Trif 3-4 Trif	D D D D	25 abc	33 abc	38 a	8 a	78 b	47 b
10	Raptor Roundup Original Max (ae) NIS AMS	0.039 1.5 0.25 2	LB A/A LB AE/A % V/V % W/W	5 42.7 0.25 2.5	FL OZ/A FL OZ/A % V/V LB/A	3-4 Trif 3-4 Trif 3-4 Trif 3-4 Trif	D D D D	25 ab	31 c	35 bc	7 b	80 a	50 a
11	Spring Seeded Oats					COVER	A	26 a	31 bc	35 c	7 ab	80 a	50 a
LSD (P=.05)								1.0	1.8	1.9	0.6	1.7	2.6
Standard Deviation								0.7	1.2	1.3	0.4	1.1	1.8
CV								2.71	3.87	3.65	5.54	1.45	3.63
Grand Mean								24.89	32.07	36.52	7.49	79.03	49.05
Bartlett's X2								6.259	9.099	10.464	4.856	14.955	5.973
P(Bartlett's X2)								0.793	0.523	0.401	0.901	0.134	0.818
Replicate F								4.877	0.291	0.431	0.223	0.476	0.973
Replicate Prob(F)								0.0070	0.8313	0.7324	0.8798	0.7015	0.4185
Treatment F								1.493	1.785	1.863	1.315	1.531	1.595
Treatment Prob(F)								0.1904	0.1072	0.0917	0.2672	0.1770	0.1562

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

Purdue University

Weed Code								MEDSA	MEDSA	MEDSA	MEDSA	MEDSA	MEDSA
Crop Code								FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C	FORAGE C
Part Rated								TDN	RFV	RFQ	ASH	Milk/T	YIELD
Rating Data Type													Ton/ACRE
Rating Unit								20/Sep/2006	20/Sep/2006	20/Sep/2006	20/Sep/2006	20/Sep/2006	
Rating Date								Harvest3	Harvest3	Harvest3	Harvest3	Harvest3	Harv 1-3
Crop Stage													
Crop Stage Scale													
Weed Stage													
Weed Density, Unit													
Footnote Number													5
Assessed By													
Tri	Treatment	Rate	Rate	Product	Product	Grow	Appl	95	96	97	98	99	100
No.	Name		Unit	Rate	Rate	Stg	Code						
1	Untreated Check							61 ab	170 ab	177 a	14 ab	2927 ab	4 a
2	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	2 Trifol	B	59 c	155 c	157 b	14 ab	2748 d	3 ab
	Roundup WeatherMAX AMS	2	% W/W	2.5	LB/A	2 Trifol	B						
	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	21 DAB	C						
	Roundup WeatherMAX AMS	2	% W/W	2.5	LB/A	21 DAB	C						
3	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	2 Trifol	B	60 bc	159 bc	162 ab	14 ab	2790 bcd	3 ab
	Roundup WeatherMAX AMS	2	% W/W	2.5	LB/A	2 Trifol	B						
	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	21 DAB	C						
	Roundup WeatherMAX AMS	2	% W/W	2.5	LB/A	21 DAB	C						
4	Roundup WeatherMAX AMS	0.75	LB AE/A	21.3	FL OZ/A	3-4 Trif	D	60 abc	163 abc	167 ab	14 a	2820 a-d	3 ab
	Roundup WeatherMAX AMS	2	% W/W	2.5	LB/A	3-4 Trif	D						
5	Roundup WeatherMAX AMS	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D	60 abc	163 abc	166 ab	13 ab	2843 a-d	3 ab
	Roundup WeatherMAX AMS	2	% W/W	2.5	LB/A	3-4 Trif	D						
6	Balan EC	1.13	LB A/A	3	QT/A	PPI	A	61 abc	166 abc	171 ab	13 ab	2885 a-d	3 ab
	Butyrac 200	1	LB A/A	2	QT/A	2 Trifol	B						
7	Butyrac 200	1	LB A/A	2	QT/A	2 Trifol	B	60 abc	163 abc	168 ab	14 ab	2849 a-d	3 ab
	Poast	0.382	LB A/A	1	QT/A	2 Trifol	B						
	COC	1.67	% V/V	1	QT/A	2 Trifol	B						
8	Pursuit DG	0.063	LB A/A	1.44	OZ/A	2 Trifol	B	60 abc	159 bc	162 ab	13 ab	2825 a-d	3 ab
	NIS	0.25	% V/V	0.25	% V/V	2 Trifol	B						
	AMS	2	% W/W	2.5	LB/A	2 Trifol	B						
9	Pursuit DG	0.063	LB A/A	1.44	OZ/A	3-4 Trif	D	60 bc	158 c	158 b	13 b	2772 cd	3 b
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D						
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D						
	AMS	2	% W/W	2.5	LB/A	3-4 Trif	D						
10	Raptor	0.039	LB A/A	5	FL OZ/A	3-4 Trif	D	62 a	170 ab	178 a	13 ab	2953 a	3 b
	Roundup Original Max (ae)	1.5	LB AE/A	42.7	FL OZ/A	3-4 Trif	D						
	NIS	0.25	% V/V	0.25	% V/V	3-4 Trif	D						
	AMS	2	% W/W	2.5	LB/A	3-4 Trif	D						
11	Spring Seeded Oats					COVER	A	61 ab	171 a	178 a	14 ab	2917 abc	3 ab
LSD (P=.05)								1.9	12.2	16.6	1.0	152.9	0.3
Standard Deviation								1.3	8.5	11.5	0.7	105.9	0.2
CV								2.18	5.19	6.88	5.02	3.72	6.76
Grand Mean								60.43	163.2	167.32	13.49	2848.02	3.35
Bartlett's X2								4.82	11.285	8.287	14.396	5.174	4.189
P(Bartlett's X2)								0.903	0.336	0.601	0.156	0.879	0.938
Replicate F								0.668	0.397	0.246	0.522	0.690	0.130
Replicate Prob(F)								0.5781	0.7559	0.8636	0.6702	0.5655	0.9416
Treatment F								1.560	1.784	1.750	1.101	1.565	1.454
Treatment Prob(F)								0.1671	0.1074	0.1148	0.3928	0.1657	0.2054

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

Column 100 Footnote: Total Yield Summary over all three harvests