

Northeast Research & Extension Center

2009 Ignite / Burndown Efficacy / Roundup Ready Soybean Demo at Universities

Trial ID: 09 SRR-3 Ignite Burndown	Protocol ID: 09 SRR-3 Ignite Burndown
Location: Concord, NE	Study Director:
Project ID: HP09NARMRA	Investigator: Stevan Knezevic
	Sponsor Contact:

General Trial Information

Investigator: Stevan Knezevic

Trial Status: F one-year/final

Trial Location

City: Concord  
 State/Prov.: NE  
 Postal Code: 68728  
 Country: USA

Personnel

Investigator: Stevan Knezevic

Crop Description

Crop 1:	GLXMA	Glycine max	Soybean
	Variety:	Kruger 310	Description: Row 1,2,3 on odd plots (left)
	BBCH Scale:	BSOY	Planting Date: 05-28-09
	Planting Method:	SEEDED seeded	Rate, Unit: 156816 s/a
	Depth, Unit:	1.5 in	
	Row Spacing, Unit:	30 in	
	Seed Bed:	MEDTRA medium/trashy	
	Soil Moisture:	SLIDRY slightly dry	Emergence Date: 06-04-09
	Harvest Date:	11-07-09	Harvest Equipment: Almaco SP40
	Harvested Width, Unit:	5 ft	Harvested Length, Unit: 27.5 ft
	% Standard Moisture:	13.0	Moisture Meter: almaco
	Weighing Equipment:	almaco	

Crop 2:	GLXMA	Glycine max	Soybean
	Variety:	Pioneer 93M11	Description: Row 4,5,6 on odd plots (right)
	BBCH Scale:	BSOY	Planting Date: 05-28-09
	Planting Method:	SEEDED seeded	Rate, Unit: 156816 s/a
	Depth, Unit:	1.5 in	
	Row Spacing, Unit:	30 in	
	Seed Bed:	MEDTRA medium/trashy	
	Soil Moisture:	SLIDRY slightly dry	Emergence Date: 06-04-09
	Harvest Date:	11-07-09	Harvest Equipment: Almaco AP40
	Harvested Width, Unit:	5 ft	Harvested Length, Unit: 27.5 ft
	% Standard Moisture:	13.0	Moisture Meter: almaco
	Weighing Equipment:	almaco	

Pest Description

Pest 1 Type: W Code: DESPI *Descurainia pinnata*  
 Common Name: Pinnate tansymustard

Pest 2 Type: W Code: TAROF *Taraxacum officinale*  
 Common Name: Common dandelion

Pest 3 Type: W Code: ERICA *Conyza canadensis*  
 Common Name: Canada horseweed

Pest 4 Type: W Code: SETVI *Setaria viridis*  
 Common Name: Green foxtail

Pest 5 Type: W Code: ABUTH *Abutilon theophrasti*  
 Common Name: Velvetleaf

Site and Design

Plot Width, Unit: 10 FT      Site Type: FIELD field

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Plot Length, Unit: 30 FT

Plot Area, Unit: 300 FT2 Tillage Type: NOTILL no-till

Replications: 3 Study Design: RACOB L Randomized Complete Block (RCB)

	Previous Crops	Previous Pesticides	Year
1.	soybean	glyphosate	2008

Soil Description

% Sand: 14 % OM: 2.3 Texture: SICL silty clay loam

% Silt: 56 pH: 5.5

% Clay: 30 CEC: 16.8 Fert. Level: F fair

Analyzed By:

Midwest Labs

buffer pH = 6.5

Application Description

	A	B
Application Date:	05-14-09	07-01-09
Time of Day:	10:00 am	11:00 am
Application Method:	spray	spray
Application Timing:	Burndown	MPOST
Application Placement:	foliar	foliar
Applied By:	rrjs	js
Air Temperature, Unit:	53 F	81 F
% Relative Humidity:	59	38
Wind Velocity, Unit:	5 mph	3 mph
Wind Direction:	N	S
Dew Presence (Y/N):	N no	N no
Soil Temperature, Unit:	49 F	74 F
Soil Moisture:	adequate	adequate
% Cloud Cover:	20	20

Crop Stage At Each Application

	A	B
Crop 1 Code, BBCH Scale:	GLXMA BSOY	GLXMA BSOY
Stage Scale Used:		DESC
Stage Majority, Percent:		3T 100
Height, Unit:		8 in
Crop 2 Code, BBCH Scale:	GLXMA BSOY	GLXMA BSOY
Stage Scale Used:		DESC
Stage Majority, Percent:		3T 100
Height, Unit:		8 in

Pest Stage At Each Application

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	A		B	
Pest 1 Code, Type, Scale:	DESPI	W	DESPI	W
Height, Unit:	4	in	8	in
Height Minimum, Maximum:	3	5	4	12
Pest 2 Code, Type, Scale:	TAROF	W	TAROF	W
Height, Unit:	4	in	4	in
Height Minimum, Maximum:			2	8
Pest 3 Code, Type, Scale:	ERICA	W	ERICA	W
Height, Unit:	1.5	in	10	in
Height Minimum, Maximum:	1	2	5	15
Pest 4 Code, Type, Scale:	SETVI	W	SETVI	W
Height, Unit:			10	in
Height Minimum, Maximum:			5	15
Pest 5 Code, Type, Scale:	ABUTH	W	ABUTH	W
Height, Unit:	1.5	in	10	in
Height Minimum, Maximum:	1	2	5	15

## Application Equipment

	A		B	
Appl. Equipment:	BACKPACK		backpack	
Operating Pressure, Unit:	40	PSI	20	psi
Nozzle Type:	TURBO TEE		Turbo Tee	
Nozzle Size:	11002		11003	
Nozzle Spacing, Unit:	20	IN	20	IN
Boom Length, Unit:	10	FT	10	FT
Boom Height, Unit:	12	IN	12	IN
Ground Speed, Unit:	2.7 MPH		2.7 MPH	
Carrier:	WATER		WATER	
Spray Volume, Unit:	20	GPA	20	GPA
Mix Size, Unit:	1.8	Liters	1.8	Liters
Propellant:	co2		co2	

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2009 Ignite / Burndown Efficacy / Roundup Ready Soybean Demo at Universities

Trial ID: 09 SRR-3 Ignite Burndown      Protocol ID: 09 SRR-3 Ignite Burndown  
 Location: Concord, NE      Study Director:  
 Project ID: HP09NARMRA      Investigator: Stevan Knezevic  
 Sponsor Contact:

Description					Kruger SB	Kruger SB	Pioneer SB	Pioneer SB	Tansy Mustard	Tansy Mustard	
Rating Date					11-07-09	11-07-09	11-07-09	11-07-09	05-25-09	07-30-09	
Rating Type					Yield@13.0%	Moisture	Yield@13.0%	Moisture	Control	Control	
Rating Unit					bu/A	%	bu/A	%	Percent	Percent	
Days After First/Last Applic.					129	129	129	129	11 11	77 29	
Trt-Eval Interval											
Trt No.	Treatment Name	Rate	Unit	Growth Stage	Appl Code	1	2	3	4	5	6
1	Nontreated					33.267 a	11.057 a	34.323 a	11.533 a	0.0 b	0.0 b
	Roundup PowerMAX	22 oz/a		MPOST	B						
	AMS	8.5 lb/100 gal		MPOST	B						
2	Ignite	22 oz/a		Burndown	A	41.133 a	10.940 a	41.493 a	11.430 a	91.3 a	99.0 a
	AMS	8.5 lb/100 gal		Burndown	A						
	Roundup PowerMAX	22 oz/a		MPOST	B						
	AMS	8.5 lb/100 gal		MPOST	B						
3	Ignite	29 oz/a		Burndown	A	39.557 a	11.007 a	44.730 a	11.647 a	91.7 a	99.0 a
	AMS	8.5 lb/100 gal		Burndown	A						
	Roundup PowerMAX	22 oz/a		MPOST	B						
	AMS	8.5 lb/100 gal		MPOST	B						
4	Ignite	29 oz/a		Burndown	A	45.033 a	10.970 a	48.027 a	11.343 a	96.0 a	99.0 a
	2,4-D LV4 Ester	1 pt/a		Burndown	A						
	AMS	8.5 lb/100 gal		Burndown	A						
	Roundup PowerMAX	22 oz/a		MPOST	B						
	AMS	8.5 lb/100 gal		MPOST	B						
5	Ignite	29 oz/a		Burndown	A	41.967 a	10.970 a	47.173 a	11.407 a	99.0 a	99.0 a
	Valor	2 oz/a		Burndown	A						
	AMS	8.5 lb/100 gal		Burndown	A						
	Roundup PowerMAX	22 oz/a		MPOST	B						
	AMS	8.5 lb/100 gal		MPOST	B						
6	Ignite	29 oz/a		Burndown	A	41.370 a	11.090 a	44.563 a	11.357 a	97.7 a	99.0 a
	Gangster V (Valor)	2 oz/a		Burndown	A						
	Gangster F (Firstrate)	0.4 oz/a		Burndown	A						
	AMS	8.5 lb/100 gal		Burndown	A						
	Roundup PowerMAX	22 oz/a		MPOST	B						
	AMS	8.5 lb/100 gal		MPOST	B						
7	Ignite	29 oz/a		Burndown	A	40.487 a	11.087 a	43.713 a	11.380 a	99.0 a	99.0 a
	Roundup PowerMAX	22 oz/a		Burndown	A						
	AMS	8.5 lb/100 gal		Burndown	A						
	Roundup PowerMAX	22 oz/a		MPOST	B						
	AMS	8.5 lb/100 gal		MPOST	B						
8	Roundup PowerMAX	22 oz/a		Burndown	A	45.733 a	10.963 a	40.400 a	11.130 a	96.0 a	99.0 a
	AMS	8.5 lb/100 gal		Burndown	A						
	Roundup PowerMAX	22 oz/a		MPOST	B						
	AMS	8.5 lb/100 gal		MPOST	B						
9	Roundup PowerMAX	22 oz/a		Burndown	A	39.347 a	10.920 a	42.907 a	11.530 a	99.0 a	99.0 a
	AMS	8.5 lb/100 gal		Burndown	A						
	Valor	2 oz/a		Burndown	A						
	AMS	8.5 lb/100 gal		Burndown	A						
	Roundup PowerMAX	22 oz/a		MPOST	B						
	AMS	8.5 lb/100 gal		MPOST	B						

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Description					Kruger SB	Kruger SB	Pioneer SB	Pioneer SB	Tansy Mustard	Tansy Mustard	
Rating Date					11-07-09	11-07-09	11-07-09	11-07-09	05-25-09	07-30-09	
Rating Type					Yield@13.0%	Moisture	Yield@13.0%	Moisture	Control	Control	
Rating Unit					bu/A	%	bu/A	%	Percent	Percent	
Days After First/Last Applic.					129	129	129	129	11 11	77 29	
Trt-Eval Interval											
Trt No.	Treatment Name	Rate	Unit	Growth Stage	Appl Code	1	2	3	4	5	6
10	Roundup PowerMAX	22	oz/a	Burndown	A	38.790 a	10.883 a	37.320 a	11.477 a	92.7 a	99.0 a
	AMS	8.5	lb/100 gal	Burndown	A						
	Gangster V (Valor)	2	oz/a	Burndown	A						
	Gangster F (Firstrate)	0.4	oz/a	Burndown	A						
	AMS	8.5	lb/100 gal	Burndown	A						
	Roundup PowerMAX	22	oz/a	MPOST	B						
	AMS	8.5	lb/100 gal	MPOST	B						
LSD (P=.05)					7.5393	0.2506	8.0912	0.6141	9.39	0.00	
Standard Deviation					4.3949	0.1461	4.6965	0.3580	5.48	0.00	
CV					10.81	1.33	11.06	3.13	6.35	0.0	
Grand Mean					40.67	10.99	42.47	11.42	86.23	89.1	
Bartlett's X2					12.505	6.765	4.954	15.271	6.288	0.0	
P(Bartlett's X2)					0.186	0.662	0.838	0.084	0.279	.	
Replicate F					6.598	0.216	5.925	0.576	0.615	0.000	
Replicate Prob(F)					0.0071	0.8078	0.0112	0.5723	0.5518	1.0000	
Treatment F					1.871	0.700	2.453	0.456	92.741	0.000	
Treatment Prob(F)					0.1233	0.7016	0.0531	0.8850	0.0001	1.0000	

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

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



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Description					Tansy Mustard	Dandelion	Dandelion	Dandelion	Dandelion	Marestail	Marestail	Marestail	
Rating Date					07-30-09	05-25-09	06-30-09	07-30-09	07-30-09	05-25-09	06-30-09	07-30-09	
Rating Type					Density	Control	Control	Control	Density	Control	Control	Control	
Rating Unit					m2 RunCH	Percent	Percent	Percent	m2 RunCH	Percent	Percent	Percent	
Days After First/Last Applic.					77 29	11 11	47 47	77 29	77 29	11 11	47 47	77 29	
Trt-Eval Interval													
Trt No.	Treatment Name	Rate	Unit	Growth Stage	Appl Code	7	8	9	10	11	12	13	14
10	Roundup PowerMAX	22	oz/a	Burndown	A	4.0 a	78.0 b	81.0 a-e	98.7 a	10.0 a	99.0 a	99.0 a	99.0 a
	AMS	8.5	lb/100 gal	Burndown	A								
	Gangster V (Valor)	2	oz/a	Burndown	A								
	Gangster F (Firstrate)	0.4	oz/a	Burndown	A								
	AMS	8.5	lb/100 gal	Burndown	A								
	Roundup PowerMAX	22	oz/a	MPOST	B								
	AMS	8.5	lb/100 gal	MPOST	B								
LSD (P=.05)					2.78	17.67	16.85	0.42	5.30	4.10	2.45	0.00	
Standard Deviation					1.58	10.21	9.82	0.24	3.05	2.39	1.43	0.00	
CV					71.48	13.2	13.27	0.27	44.81	2.7	1.61	0.0	
Grand Mean					2.22	77.33	74.03	89.03	6.8	88.5	88.67	89.1	
Bartlett's X2					9.569	8.668	7.947	0.0	8.904	0.0	0.0	0.0	
P(Bartlett's X2)					0.297	0.193	0.337	.	0.26	.	.	.	
Replicate F					0.999	1.856	3.994	2.250	1.368	0.474	1.000	0.000	
Replicate Prob(F)					0.3930	0.1883	0.0367	0.1342	0.2846	0.6302	0.3874	1.0000	
Treatment F					1.955	30.211	24.129	49544.317	3.161	509.737	1434.754	0.000	
Treatment Prob(F)					0.1259	0.0001	0.0001	0.0001	0.0238	0.0001	0.0001	1.0000	

Description					Marestail	Green foxtail	Green foxtail	Green foxtail	Velvetleaf	Velvetleaf	Velvetleaf	
Rating Date					07-30-09	06-30-09	07-30-09	07-30-09	05-25-09	06-30-09	07-30-09	
Rating Type					Density	Control	Control	Density	Control	Control	Control	
Rating Unit					m2 RunCH	Percent	Percent	m2 RunCH	Percent	Percent	Percent	
Days After First/Last Applic.					77 29	47 47	77 29	77 29	11 11	47 47	77 29	
Trt-Eval Interval												
Trt No.	Treatment Name	Rate	Unit	Growth Stage	Appl Code	15	16	17	18	19	20	21
1	Nontreated					0.0 d	0.0 c	0.0 b	0.0 c	0.0 c	0.0 d	0.0 c
	Roundup PowerMAX	22	oz/a	MPOST	B							
	AMS	8.5	lb/100 gal	MPOST	B							
2	Ignite	22	oz/a	Burndown	A	4.7 ab	0.0 c	99.0 a	16.7 a	88.3 b	0.0 d	99.0 a
	AMS	8.5	lb/100 gal	Burndown	A							
	Roundup PowerMAX	22	oz/a	MPOST	B							
	AMS	8.5	lb/100 gal	MPOST	B							
3	Ignite	29	oz/a	Burndown	A	1.3 cd	0.0 c	99.0 a	16.7 a	89.7 b	0.0 d	99.0 a
	AMS	8.5	lb/100 gal	Burndown	A							
	Roundup PowerMAX	22	oz/a	MPOST	B							
	AMS	8.5	lb/100 gal	MPOST	B							
4	Ignite	29	oz/a	Burndown	A	3.7 abc	0.0 c	99.0 a	10.3 ab	98.3 a	0.0 d	99.0 a
	2,4-D LV4 Ester	1	pt/a	Burndown	A							
	AMS	8.5	lb/100 gal	Burndown	A							
	Roundup PowerMAX	22	oz/a	MPOST	B							
	AMS	8.5	lb/100 gal	MPOST	B							
5	Ignite	29	oz/a	Burndown	A	2.3 bcd	90.0 b	99.0 a	8.3 b	99.0 a	86.7 bc	69.0 b
	Valor	2	oz/a	Burndown	A							
	AMS	8.5	lb/100 gal	Burndown	A							
	Roundup PowerMAX	22	oz/a	MPOST	B							
	AMS	8.5	lb/100 gal	MPOST	B							
6	Ignite	29	oz/a	Burndown	A	3.0 abc	98.3 a	99.0 a	12.7 ab	99.0 a	97.7 ab	99.0 a
	Gangster V (Valor)	2	oz/a	Burndown	A							
	Gangster F (Firstrate)	0.4	oz/a	Burndown	A							
	AMS	8.5	lb/100 gal	Burndown	A							
	Roundup PowerMAX	22	oz/a	MPOST	B							
	AMS	8.5	lb/100 gal	MPOST	B							
7	Ignite	29	oz/a	Burndown	A	3.0 abc	0.0 c	99.0 a	9.3 ab	99.0 a	0.0 d	99.0 a
	Roundup PowerMAX	22	oz/a	Burndown	A							
	AMS	8.5	lb/100 gal	Burndown	A							
	Roundup PowerMAX	22	oz/a	MPOST	B							
	AMS	8.5	lb/100 gal	MPOST	B							
8	Roundup PowerMAX	22	oz/a	Burndown	A	4.0 abc	0.0 c	99.0 a	11.5 ab	96.0 a	0.0 d	99.0 a
	AMS	8.5	lb/100 gal	Burndown	A							
	Roundup PowerMAX	22	oz/a	MPOST	B							
	AMS	8.5	lb/100 gal	MPOST	B							
9	Roundup PowerMAX	22	oz/a	Burndown	A	2.5 bcd	93.0 b	99.0 a	10.0 ab	99.0 a	82.7 c	99.0 a
	AMS	8.5	lb/100 gal	Burndown	A							
	Valor	2	oz/a	Burndown	A							
	AMS	8.5	lb/100 gal	Burndown	A							
	Roundup PowerMAX	22	oz/a	MPOST	B							
	AMS	8.5	lb/100 gal	MPOST	B							



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Description					Marestail	Green foxtail	Green foxtail	Green foxtail	Velvetleaf	Velvetleaf	Velvetleaf	
Rating Date					07-30-09	06-30-09	07-30-09	07-30-09	05-25-09	06-30-09	07-30-09	
Rating Type					Density	Control	Control	Density	Control	Control	Control	
Rating Unit					m2 RunCH	Percent	Percent	m2 RunCH	Percent	Percent	Percent	
Days After First/Last Applic.					77 29	47 47	77 29	77 29	11 11	47 47	77 29	
Trt-Eval Interval												
Trt No.	Treatment Name	Rate	Unit	Growth Stage	Appl Code	15	16	17	18	19	20	21
10	Roundup PowerMAX	22	oz/a	Burndown	A	5.5 a	99.0 a	99.0 a	10.0 ab	99.0 a	99.0 a	99.0 a
	AMS	8.5	lb/100 gal	Burndown	A							
	Gangster V (Valor)	2	oz/a	Burndown	A							
	Gangster F (Firstrate)	0.4	oz/a	Burndown	A							
	AMS	8.5	lb/100 gal	Burndown	A							
	Roundup PowerMAX	22	oz/a	MPOST	B							
	AMS	8.5	lb/100 gal	MPOST	B							
LSD (P=.05)					2.89	4.01	0.00	8.07	5.98	11.53	28.19	
Standard Deviation					1.66	2.34	0.00	4.64	3.48	6.69	16.43	
CV					55.42	6.15	0.0	43.99	4.02	18.29	19.08	
Grand Mean					3.0	38.03	89.1	10.55	86.73	36.6	86.1	
Bartlett's X2					8.968	4.542	0.0	6.284	6.822	7.256	0.0	
P(Bartlett's X2)					0.345	0.033*	.	0.507	0.078	0.027*	.	
Replicate F					1.121	0.756	0.000	0.637	1.461	1.321	1.000	
Replicate Prob(F)					0.3517	0.4838	1.0000	0.5425	0.2583	0.2928	0.3874	
Treatment F					2.767	1326.470	0.000	3.073	233.556	150.960	11.157	
Treatment Prob(F)					0.0394	0.0001	1.0000	0.0266	0.0001	0.0001	0.0001	

Description						Velvetleaf
Rating Date						07-30-09
Rating Type						Density
Rating Unit						m2 RunCH
Days After First/Last Applic.						77 29
Trt-Eval Interval						
Trt No.	Treatment Name	Rate	Unit	Growth Stage	Appl Code	
1	Nontreated					0.0 a
	Roundup PowerMAX	22	oz/a	MPOST	B	
	AMS	8.5	lb/100 gal	MPOST	B	
2	Ignite	22	oz/a	Burndown	A	5.3 a
	AMS	8.5	lb/100 gal	Burndown	A	
	Roundup PowerMAX	22	oz/a	MPOST	B	
	AMS	8.5	lb/100 gal	MPOST	B	
3	Ignite	29	oz/a	Burndown	A	5.0 a
	AMS	8.5	lb/100 gal	Burndown	A	
	Roundup PowerMAX	22	oz/a	MPOST	B	
	AMS	8.5	lb/100 gal	MPOST	B	
4	Ignite	29	oz/a	Burndown	A	3.3 a
	2,4-D LV4 Ester	1	pt/a	Burndown	A	
	AMS	8.5	lb/100 gal	Burndown	A	
	Roundup PowerMAX	22	oz/a	MPOST	B	
	AMS	8.5	lb/100 gal	MPOST	B	
5	Ignite	29	oz/a	Burndown	A	4.0 a
	Valor	2	oz/a	Burndown	A	
	AMS	8.5	lb/100 gal	Burndown	A	
	Roundup PowerMAX	22	oz/a	MPOST	B	
	AMS	8.5	lb/100 gal	MPOST	B	
6	Ignite	29	oz/a	Burndown	A	4.7 a
	Gangster V (Valor)	2	oz/a	Burndown	A	
	Gangster F (Firstrate)	0.4	oz/a	Burndown	A	
	AMS	8.5	lb/100 gal	Burndown	A	
	Roundup PowerMAX	22	oz/a	MPOST	B	
	AMS	8.5	lb/100 gal	MPOST	B	
7	Ignite	29	oz/a	Burndown	A	4.3 a
	Roundup PowerMAX	22	oz/a	Burndown	A	
	AMS	8.5	lb/100 gal	Burndown	A	
	Roundup PowerMAX	22	oz/a	MPOST	B	
	AMS	8.5	lb/100 gal	MPOST	B	
8	Roundup PowerMAX	22	oz/a	Burndown	A	7.0 a
	AMS	8.5	lb/100 gal	Burndown	A	
	Roundup PowerMAX	22	oz/a	MPOST	B	
	AMS	8.5	lb/100 gal	MPOST	B	
9	Roundup PowerMAX	22	oz/a	Burndown	A	2.5 a
	AMS	8.5	lb/100 gal	Burndown	A	
	Valor	2	oz/a	Burndown	A	
	AMS	8.5	lb/100 gal	Burndown	A	
	Roundup PowerMAX	22	oz/a	MPOST	B	
	AMS	8.5	lb/100 gal	MPOST	B	

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Description					Velvetleaf
Rating Date					07-30-09
Rating Type					Density
Rating Unit					m2 RunCH
Days After First/Last Applic.					77 29
Trt-Eval Interval					
Trt No.	Treatment Name	Rate	Unit	Growth Stage	Appl Code
					22
10	Roundup PowerMAX	22	oz/a	Burndown	A
	AMS	8.5	lb/100 gal	Burndown	A
	Gangster V (Valor)	2	oz/a	Burndown	A
	Gangster F (Firstrate)	0.4	oz/a	Burndown	A
	AMS	8.5	lb/100 gal	Burndown	A
	Roundup PowerMAX	22	oz/a	MPOST	B
	AMS	8.5	lb/100 gal	MPOST	B
LSD (P=.05)					3.55
Standard Deviation					2.04
CV					51.42
Grand Mean					3.97
Bartlett's X2					14.152
P(Bartlett's X2)					0.078
Replicate F					1.354
Replicate Prob(F)					0.2880
Treatment F					2.505
Treatment Prob(F)					0.0559

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2009 Ignite / Burndown Efficacy / Roundup Ready Soybean Demo at Universities

Trial ID: 09 SRR-3 Ignite Burndown      Protocol ID: 09 SRR-3 Ignite Burndown  
Location: Concord, NE                      Study Director:  
Project ID: HP09NARMRA                    Investigator: Stevan Knezevic  
Sponsor Contact:

Rating Unit

% = percent

Percent = percent

Northeast Research & Extension Center

2009 Ignite / Burndown Efficacy / Roundup Ready Soybean Demo at Universities

Trial ID: 09 SRR-3 Ignite Burndown Protocol ID: 09 SRR-3 Ignite Burndown  
 Location: Concord, NE Study Director:  
 Project ID: HP09NARMRA Investigator: Stevan Knezevic  
 Sponsor Contact:

Description						Kruger SB	Kruger SB	Pioneer SB	Pioneer SB	Tansy Mustard	Tansy Mustard	
Rating Date						11-07-09	11-07-09	11-07-09	11-07-09	05-25-09	07-30-09	
Rating Type						Yield@13.0%	Moisture	Yield@13.0%	Moisture	Control	Control	
Rating Unit						bu/A	%	bu/A	%	Percent	Percent	
Days After First/Last Applic.						129	129	129	129	11 11	77 29	
Trt-Eval Interval												
Trt No.	Treatment Name	Rate	Unit	Growth Stage	Appl Code	Plot	1	2	3	4	5	6
1	Nontreated					111	39.260	11.130	36.770	11.820	0.0	0.0
	Roundup PowerMAX	22 oz/a		MPOST	B	213	26.690	10.990	31.410	11.520	0.0	0.0
	AMS	8.5 lb/100 gal		MPOST	B	317	33.850	11.050	34.790	11.260	0.0	0.0
						Mean =	33.267	11.057	34.323	11.533	0.0	0.0
2	Ignite	22 oz/a		Burndown	A	112	36.160	10.950	40.670	11.710	80.0	99.0
	AMS	8.5 lb/100 gal		Burndown	A	214	44.710	10.810	44.720	11.550	95.0	99.0
	Roundup PowerMAX	22 oz/a		MPOST	B	319	42.530	11.060	39.090	11.030	99.0	99.0
	AMS	8.5 lb/100 gal		MPOST	B							
						Mean =	41.133	10.940	41.493	11.430	91.3	99.0
3	Ignite	29 oz/a		Burndown	A	113	45.520	10.810	49.220	11.550	90.0	99.0
	AMS	8.5 lb/100 gal		Burndown	A	218	36.130	11.140	40.240	11.120	95.0	99.0
	Roundup PowerMAX	22 oz/a		MPOST	B	320	37.020	11.070		12.270	90.0	99.0
	AMS	8.5 lb/100 gal		MPOST	B							
						Mean =	39.557	11.007	44.730	11.647	91.7	99.0
4	Ignite	29 oz/a		Burndown	A	114	50.660	10.820	53.720	11.570	90.0	99.0
	2,4-D LV4 Ester	1 pt/a		Burndown	A	219	45.460	11.040	49.430	11.080	99.0	99.0
	AMS	8.5 lb/100 gal		Burndown	A	315	38.980	11.050	40.930	11.380	99.0	99.0
	Roundup PowerMAX	22 oz/a		MPOST	B							
	AMS	8.5 lb/100 gal		MPOST	B							
						Mean =	45.033	10.970	48.027	11.343	96.0	99.0
5	Ignite	29 oz/a		Burndown	A	115	46.570	10.990	52.240	11.350	99.0	99.0
	Valor	2 oz/a		Burndown	A	216	38.110	11.050	42.870	11.370	99.0	99.0
	AMS	8.5 lb/100 gal		Burndown	A	313	41.220	10.870	46.410	11.500	99.0	99.0
	Roundup PowerMAX	22 oz/a		MPOST	B							
	AMS	8.5 lb/100 gal		MPOST	B							
						Mean =	41.967	10.970	47.173	11.407	99.0	99.0
6	Ignite	29 oz/a		Burndown	A	116	48.270	11.040	51.960	11.370	99.0	99.0
	Gangster V (Valor)	2 oz/a		Burndown	A	217	36.400	11.140	41.270	11.350	99.0	99.0
	Gangster F (Firstrate)	0.4 oz/a		Burndown	A	316	39.440	11.090	40.460	11.350	95.0	99.0
	AMS	8.5 lb/100 gal		Burndown	A							
	Roundup PowerMAX	22 oz/a		MPOST	B							
	AMS	8.5 lb/100 gal		MPOST	B							
						Mean =	41.370	11.090	44.563	11.357	97.7	99.0
7	Ignite	29 oz/a		Burndown	A	117	43.310	11.120	47.380	11.180	99.0	99.0
	Roundup PowerMAX	22 oz/a		Burndown	A	211	41.150	11.010	40.960	11.780	99.0	99.0
	AMS	8.5 lb/100 gal		Burndown	A	318	37.000	11.130	42.800	11.180	99.0	99.0
	Roundup PowerMAX	22 oz/a		MPOST	B							
	AMS	8.5 lb/100 gal		MPOST	B							
						Mean =	40.487	11.087	43.713	11.380	99.0	99.0

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Description						Kruger SB	Kruger SB	Pioneer SB	Pioneer SB	Tansy Mustard	Tansy Mustard	
Rating Date						11-07-09	11-07-09	11-07-09	11-07-09	05-25-09	07-30-09	
Rating Type						Yield@13.0%	Moisture	Yield@13.0%	Moisture	Control	Control	
Rating Unit						bu/A	%	bu/A	%	Percent	Percent	
Days After First/Last Applic.						129	129	129	129	11 11	77 29	
Trt-Eval Interval												
Trt No.	Treatment Name	Rate	Unit	Growth Stage	Appl Code	Plot	1	2	3	4	5	6
8	Roundup PowerMAX	22 oz/a		Burndown	A	118	45.690	11.120	48.130	11.090	99.0	99.0
	AMS	8.5 lb/100 gal		Burndown	A	220	45.600	11.080	31.040	10.750	90.0	99.0
	Roundup PowerMAX	22 oz/a		MPOST	B	314	45.910	10.690	42.030	11.550	99.0	99.0
	AMS	8.5 lb/100 gal		MPOST	B							
Mean =							45.733	10.963	40.400	11.130	96.0	99.0
9	Roundup PowerMAX	22 oz/a		Burndown	A	119	47.610	11.050	52.140	11.070	99.0	99.0
	AMS	8.5 lb/100 gal		Burndown	A	212	31.800	10.740	35.400	11.750	99.0	99.0
	Valor	2 oz/a		Burndown	A	311	38.630	10.970	41.180	11.770	99.0	99.0
	AMS	8.5 lb/100 gal		Burndown	A							
	Roundup PowerMAX	22 oz/a		MPOST	B							
	AMS	8.5 lb/100 gal		MPOST	B							
Mean =							39.347	10.920	42.907	11.530	99.0	99.0
10	Roundup PowerMAX	22 oz/a		Burndown	A	120	44.850	10.970	33.830	11.100	99.0	99.0
	AMS	8.5 lb/100 gal		Burndown	A	215	40.620	11.000	42.050	11.400	80.0	99.0
	Gangster V (Valor)	2 oz/a		Burndown	A	312	30.900	10.680	36.080	11.930	99.0	99.0
	Gangster F (Firstrate)	0.4 oz/a		Burndown	A							
	AMS	8.5 lb/100 gal		Burndown	A							
	Roundup PowerMAX	22 oz/a		MPOST	B							
	AMS	8.5 lb/100 gal		MPOST	B							
Mean =							38.790	10.883	37.320	11.477	92.7	99.0

Description							Tansy Mustard	Dandelion	Dandelion	Dandelion	Dandelion	Marestail	Marestail	Marestail
Rating Date							07-30-09	05-25-09	06-30-09	07-30-09	07-30-09	05-25-09	06-30-09	07-30-09
Rating Type							Density	Control	Control	Control	Density	Control	Control	Control
Rating Unit							m2 RunCH	Percent	Percent	Percent	m2 RunCH	Percent	Percent	Percent
Days After First/Last Applic.							77 29	11 11	47 47	77 29	77 29	11 11	47 47	77 29
Trt-Eval Interval														
Trt No.	Treatment Name	Rate	Unit	Growth Stage	Appl Code	Plot	7	8	9	10	11	12	13	14
1	Nontreated					111	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Roundup PowerMAX	22 oz/a		MPOST	B	213	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	AMS	8.5 lb/100 gal		MPOST	B	317	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
						Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Ignite	22 oz/a		Burndown	A	112	3.0	90.0	60.0	99.0	8.0	99.0	90.0	99.0
	AMS	8.5 lb/100 gal		Burndown	A	214	2.0	90.0	60.0	99.0	10.0	90.0	95.0	99.0
	Roundup PowerMAX	22 oz/a		MPOST	B	319	3.0	97.0	80.0	99.0	5.0	99.0	99.0	99.0
	AMS	8.5 lb/100 gal		MPOST	B									
						Mean =	2.7	92.3	66.7	99.0	7.7	96.0	94.7	99.0
3	Ignite	29 oz/a		Burndown	A	113	2.0	99.0	90.0	99.0	5.0	99.0	99.0	99.0
	AMS	8.5 lb/100 gal		Burndown	A	218	1.0	95.0	65.0	99.0	6.0	99.0	99.0	99.0
	Roundup PowerMAX	22 oz/a		MPOST	B	320	4.0	80.0	80.0	99.0	1.0	90.0	99.0	99.0
	AMS	8.5 lb/100 gal		MPOST	B									
						Mean =	2.3	91.3	78.3	99.0	4.0	96.0	99.0	99.0
4	Ignite	29 oz/a		Burndown	A	114	2.0	99.0	95.0	99.0	6.0	99.0	99.0	99.0
	2,4-D LV4 Ester	1 pt/a		Burndown	A	219	1.0	90.0	95.0	99.0	5.0	99.0	99.0	99.0
	AMS	8.5 lb/100 gal		Burndown	A	315	3.0	95.0	95.0	99.0	10.0	99.0	99.0	99.0
	Roundup PowerMAX	22 oz/a		MPOST	B									
	AMS	8.5 lb/100 gal		MPOST	B									
						Mean =	2.0	94.7	95.0	99.0	7.0	99.0	99.0	99.0
5	Ignite	29 oz/a		Burndown	A	115	1.0	99.0	95.0	99.0	7.0	99.0	99.0	99.0
	Valor	2 oz/a		Burndown	A	216		99.0	90.0	99.0	5.0	99.0	99.0	99.0
	AMS	8.5 lb/100 gal		Burndown	A	313	2.0	99.0	85.0	99.0	10.0	99.0	99.0	99.0
	Roundup PowerMAX	22 oz/a		MPOST	B									
	AMS	8.5 lb/100 gal		MPOST	B									
						Mean =	1.5	99.0	90.0	99.0	7.3	99.0	99.0	99.0
6	Ignite	29 oz/a		Burndown	A	116	1.0		99.0	99.0	4.0	99.0	99.0	99.0
	Gangster V (Valor)	2 oz/a		Burndown	A	217	1.0	99.0	99.0	99.0	4.0	99.0	99.0	99.0
	Gangster F (Firstrate)	0.4 oz/a		Burndown	A	316	2.0	99.0	95.0	99.0	8.0	99.0	99.0	99.0
	AMS	8.5 lb/100 gal		Burndown	A									
	Roundup PowerMAX	22 oz/a		MPOST	B									
	AMS	8.5 lb/100 gal		MPOST	B									
						Mean =	1.3	99.0	97.7	99.0	5.3	99.0	99.0	99.0
7	Ignite	29 oz/a		Burndown	A	117	1.0		95.0	99.0	6.0	99.0	99.0	99.0
	Roundup PowerMAX	22 oz/a		Burndown	A	211	8.0	99.0	80.0	99.0	7.0	99.0	99.0	99.0
	AMS	8.5 lb/100 gal		Burndown	A	318	4.0	95.0	80.0	99.0	7.0	99.0	99.0	99.0
	Roundup PowerMAX	22 oz/a		MPOST	B									
	AMS	8.5 lb/100 gal		MPOST	B									
						Mean =	4.3	97.0	85.0	99.0	6.7	99.0	99.0	99.0

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Description						Tansy Mustard	Dandelion	Dandelion	Dandelion	Dandelion	Marestail	Marestail	Marestail	
Rating Date						07-30-09	05-25-09	06-30-09	07-30-09	07-30-09	05-25-09	06-30-09	07-30-09	
Rating Type						Density	Control	Control	Control	Density	Control	Control	Control	
Rating Unit						m2 RunCH	Percent	Percent	Percent	m2 RunCH	Percent	Percent	Percent	
Days After First/Last Applic.						77 29	11 11	47 47	77 29	77 29	11 11	47 47	77 29	
Trt-Eval Interval														
Trt No.	Treatment Name	Rate	Unit	Growth Stage	Appl Code	Plot	7	8	9	10	11	12	13	14
8	Roundup PowerMAX	22 oz/a		Burndown	A	118								
	AMS	8.5 lb/100 gal		Burndown	A	220	1.0	30.0	85.0	99.0	5.0	99.0	99.0	99.0
	Roundup PowerMAX	22 oz/a		MPOST	B	314								
	AMS	8.5 lb/100 gal		MPOST	B		4.0	40.0	70.0	98.0	15.0	99.0	99.0	99.0
							Mean =	2.5	40.0	71.7	98.7	10.0	99.0	99.0
9	Roundup PowerMAX	22 oz/a		Burndown	A	119								
	AMS	8.5 lb/100 gal		Burndown	A	212	2.0	87.0	70.0	99.0	5.0	99.0	99.0	99.0
	Valor	2 oz/a		Burndown	A	311	1.0	60.0	60.0	99.0	15.0	99.0	99.0	99.0
	AMS	8.5 lb/100 gal		Burndown	A									
	Roundup PowerMAX	22 oz/a		MPOST	B									
	AMS	8.5 lb/100 gal		MPOST	B									
						Mean =	1.5	82.0	75.0	99.0	10.0	99.0	99.0	99.0
10	Roundup PowerMAX	22 oz/a		Burndown	A	120								
	AMS	8.5 lb/100 gal		Burndown	A	215	5.0	75.0	85.0	99.0	10.0	99.0	99.0	99.0
	Gangster V (Valor)	2 oz/a		Burndown	A	312	3.0	60.0	60.0	98.0	10.0	99.0	99.0	99.0
	Gangster F (Firstrate)	0.4 oz/a		Burndown	A									
	AMS	8.5 lb/100 gal		Burndown	A									
	Roundup PowerMAX	22 oz/a		MPOST	B									
	AMS	8.5 lb/100 gal		MPOST	B									
						Mean =	4.0	78.0	81.0	98.7	10.0	99.0	99.0	99.0



Description							Marestail	Green foxtail	Green foxtail	Green foxtail	Velvetleaf	Velvetleaf	Velvetleaf
Rating Date							07-30-09	06-30-09	07-30-09	07-30-09	05-25-09	06-30-09	07-30-09
Rating Type							Density	Control	Control	Density	Control	Control	Control
Rating Unit							m2 RunCH	Percent	Percent	m2 RunCH	Percent	Percent	Percent
Days After First/Last Applic.							77 29	47 47	77 29	77 29	11 11	47 47	77 29
Trt-Eval Interval													
Trt No.	Treatment Name	Rate	Unit	Growth Stage	Appl Code	Plot	15	16	17	18	19	20	21
1	Nontreated					111	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Roundup PowerMAX	22 oz/a		MPOST	B	213	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	AMS	8.5 lb/100 gal		MPOST	B	317	0.0	0.0	0.0	0.0	0.0	0.0	0.0
						Mean =	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Ignite	22 oz/a		Burndown	A	112	1.0	0.0	99.0	10.0	90.0	0.0	99.0
	AMS	8.5 lb/100 gal		Burndown	A	214	8.0	0.0	99.0	15.0	85.0	0.0	99.0
	Roundup PowerMAX	22 oz/a		MPOST	B	319	5.0	0.0	99.0	25.0	90.0	0.0	99.0
	AMS	8.5 lb/100 gal		MPOST	B								
						Mean =	4.7	0.0	99.0	16.7	88.3	0.0	99.0
3	Ignite	29 oz/a		Burndown	A	113	2.0	0.0	99.0	15.0	99.0	0.0	99.0
	AMS	8.5 lb/100 gal		Burndown	A	218	1.0	0.0	99.0	20.0	80.0	0.0	99.0
	Roundup PowerMAX	22 oz/a		MPOST	B	320	1.0	0.0	99.0	15.0	90.0	0.0	99.0
	AMS	8.5 lb/100 gal		MPOST	B								
						Mean =	1.3	0.0	99.0	16.7	89.7	0.0	99.0
4	Ignite	29 oz/a		Burndown	A	114	4.0	0.0	99.0	15.0	99.0	0.0	99.0
	2,4-D LV4 Ester	1 pt/a		Burndown	A	219	2.0	0.0	99.0	10.0	97.0		99.0
	AMS	8.5 lb/100 gal		Burndown	A	315	5.0	0.0	99.0	6.0	99.0	0.0	99.0
	Roundup PowerMAX	22 oz/a		MPOST	B								
	AMS	8.5 lb/100 gal		MPOST	B								
						Mean =	3.7	0.0	99.0	10.3	98.3	0.0	99.0
5	Ignite	29 oz/a		Burndown	A	115	3.0	90.0	99.0	10.0	99.0	90.0	99.0
	Valor	2 oz/a		Burndown	A	216	2.0	90.0	99.0	10.0	99.0	90.0	99.0
	AMS	8.5 lb/100 gal		Burndown	A	313	2.0	90.0	99.0	5.0	99.0	80.0	9.0
	Roundup PowerMAX	22 oz/a		MPOST	B								
	AMS	8.5 lb/100 gal		MPOST	B								
						Mean =	2.3	90.0	99.0	8.3	99.0	86.7	69.0
6	Ignite	29 oz/a		Burndown	A	116	1.0	99.0	99.0	20.0	99.0	99.0	99.0
	Gangster V (Valor)	2 oz/a		Burndown	A	217	5.0	99.0	99.0	10.0	99.0	95.0	99.0
	Gangster F (Firstrate)	0.4 oz/a		Burndown	A	316	3.0	97.0	99.0	8.0	99.0	99.0	99.0
	AMS	8.5 lb/100 gal		Burndown	A								
	Roundup PowerMAX	22 oz/a		MPOST	B								
	AMS	8.5 lb/100 gal		MPOST	B								
						Mean =	3.0	98.3	99.0	12.7	99.0	97.7	99.0
7	Ignite	29 oz/a		Burndown	A	117	2.0	0.0	99.0	8.0	99.0	0.0	99.0
	Roundup PowerMAX	22 oz/a		Burndown	A	211	5.0	0.0	99.0	10.0	99.0	0.0	99.0
	AMS	8.5 lb/100 gal		Burndown	A	318	2.0	0.0	99.0	10.0	99.0	0.0	99.0
	Roundup PowerMAX	22 oz/a		MPOST	B								
	AMS	8.5 lb/100 gal		MPOST	B								
						Mean =	3.0	0.0	99.0	9.3	99.0	0.0	99.0

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Description							Marestail	Green foxtail	Green foxtail	Green foxtail	Velvetleaf	Velvetleaf	Velvetleaf
Rating Date							07-30-09	06-30-09	07-30-09	07-30-09	05-25-09	06-30-09	07-30-09
Rating Type							Density	Control	Control	Density	Control	Control	Control
Rating Unit							m2 RunCH	Percent	Percent	m2 RunCH	Percent	Percent	Percent
Days After First/Last Applic.							77 29	47 47	77 29	77 29	11 11	47 47	77 29
Trt-Eval Interval													
Trt No.	Treatment Name	Rate	Unit	Growth Stage	Appl Code	Plot	15	16	17	18	19	20	21
8	Roundup PowerMAX	22 oz/a		Burndown	A	118	3.0	0.0	99.0	15.0	99.0	0.0	99.0
	AMS	8.5 lb/100 gal		Burndown	A	220		0.0	99.0		99.0	0.0	99.0
	Roundup PowerMAX	22 oz/a		MPOST	B	314	5.0	0.0	99.0	8.0	90.0	0.0	99.0
	AMS	8.5 lb/100 gal		MPOST	B								
	Mean =						4.0	0.0	99.0	11.5	96.0	0.0	99.0
9	Roundup PowerMAX	22 oz/a		Burndown	A	119		95.0	99.0		99.0	90.0	99.0
	AMS	8.5 lb/100 gal		Burndown	A	212	3.0	85.0	99.0	15.0	99.0	98.0	99.0
	Valor	2 oz/a		Burndown	A	311	2.0	99.0	99.0	5.0	99.0	60.0	99.0
	AMS	8.5 lb/100 gal		Burndown	A								
	Roundup PowerMAX	22 oz/a		MPOST	B								
	AMS	8.5 lb/100 gal		MPOST	B								
Mean =						2.5	93.0	99.0	10.0	99.0	82.7	99.0	
10	Roundup PowerMAX	22 oz/a		Burndown	A	120		99.0	99.0		99.0	99.0	99.0
	AMS	8.5 lb/100 gal		Burndown	A	215	5.0	99.0	99.0	10.0	99.0	99.0	99.0
	Gangster V (Valor)	2 oz/a		Burndown	A	312	6.0	99.0	99.0	10.0	99.0	99.0	99.0
	Gangster F (Firstrate)	0.4 oz/a		Burndown	A								
	AMS	8.5 lb/100 gal		Burndown	A								
	Roundup PowerMAX	22 oz/a		MPOST	B								
	AMS	8.5 lb/100 gal		MPOST	B								
Mean =						5.5	99.0	99.0	10.0	99.0	99.0	99.0	

Description							Velvetleaf
Rating Date							07-30-09
Rating Type							Density
Rating Unit							m2 RunCH
Days After First/Last Applic.							77 29
Trt-Eval Interval							
Trt No.	Treatment Name	Rate	Unit	Growth Stage	Appl Code	Plot	22
1	Nontreated					111	0.0
	Roundup PowerMAX	22	oz/a	MPOST	B	213	0.0
	AMS	8.5	lb/100 gal	MPOST	B	317	0.0
Mean =							0.0
2	Ignite	22	oz/a	Burndown	A	112	5.0
	AMS	8.5	lb/100 gal	Burndown	A	214	5.0
	Roundup PowerMAX	22	oz/a	MPOST	B	319	6.0
	AMS	8.5	lb/100 gal	MPOST	B		
Mean =							5.3
3	Ignite	29	oz/a	Burndown	A	113	10.0
	AMS	8.5	lb/100 gal	Burndown	A	218	3.0
	Roundup PowerMAX	22	oz/a	MPOST	B	320	2.0
	AMS	8.5	lb/100 gal	MPOST	B		
Mean =							5.0
4	Ignite	29	oz/a	Burndown	A	114	3.0
	2,4-D LV4 Ester	1	pt/a	Burndown	A	219	4.0
	AMS	8.5	lb/100 gal	Burndown	A	315	3.0
	Roundup PowerMAX	22	oz/a	MPOST	B		
	AMS	8.5	lb/100 gal	MPOST	B		
Mean =							3.3
5	Ignite	29	oz/a	Burndown	A	115	4.0
	Valor	2	oz/a	Burndown	A	216	5.0
	AMS	8.5	lb/100 gal	Burndown	A	313	3.0
	Roundup PowerMAX	22	oz/a	MPOST	B		
	AMS	8.5	lb/100 gal	MPOST	B		
Mean =							4.0
6	Ignite	29	oz/a	Burndown	A	116	6.0
	Gangster V (Valor)	2	oz/a	Burndown	A	217	6.0
	Gangster F (Firstrate)	0.4	oz/a	Burndown	A	316	2.0
	AMS	8.5	lb/100 gal	Burndown	A		
	Roundup PowerMAX	22	oz/a	MPOST	B		
	AMS	8.5	lb/100 gal	MPOST	B		
Mean =							4.7
7	Ignite	29	oz/a	Burndown	A	117	3.0
	Roundup PowerMAX	22	oz/a	Burndown	A	211	5.0
	AMS	8.5	lb/100 gal	Burndown	A	318	5.0
	Roundup PowerMAX	22	oz/a	MPOST	B		
	AMS	8.5	lb/100 gal	MPOST	B		
Mean =							4.3

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Description							Velvetleaf
Rating Date							07-30-09
Rating Type							Density
Rating Unit							m2 RunCH
Days After First/Last Applic.							77 29
Trt-Eval Interval							
Trt No.	Treatment Name	Rate	Unit	Growth Stage	Appl Code	Plot	22
8	Roundup PowerMAX	22	oz/a	Burndown	A	118	10.0
	AMS	8.5	lb/100 gal	Burndown	A	220	
	Roundup PowerMAX	22	oz/a	MPOST	B	314	4.0
	AMS	8.5	lb/100 gal	MPOST	B		
Mean =							7.0
9	Roundup PowerMAX	22	oz/a	Burndown	A	119	
	AMS	8.5	lb/100 gal	Burndown	A	212	2.0
	Valor	2	oz/a	Burndown	A	311	3.0
	AMS	8.5	lb/100 gal	Burndown	A		
	Roundup PowerMAX	22	oz/a	MPOST	B		
	AMS	8.5	lb/100 gal	MPOST	B		
Mean =							2.5
10	Roundup PowerMAX	22	oz/a	Burndown	A	120	
	AMS	8.5	lb/100 gal	Burndown	A	215	3.0
	Gangster V (Valor)	2	oz/a	Burndown	A	312	4.0
	Gangster F (Firstrate)	0.4	oz/a	Burndown	A		
	AMS	8.5	lb/100 gal	Burndown	A		
	Roundup PowerMAX	22	oz/a	MPOST	B		
	AMS	8.5	lb/100 gal	MPOST	B		
Mean =							3.5

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2009 Ignite / Burndown Efficacy / Roundup Ready Soybean Demo at Universities

Trial ID: 09 SRR-3 Ignite Burndown      Protocol ID: 09 SRR-3 Ignite Burndown  
Location: Concord, NE                      Study Director:  
Project ID: HP09NARMRA                      Investigator: Stevan Knezevic  
Sponsor Contact:

Rating Unit

% = percent

Percent = percent