

2011 PRE design of Anthem alone and overlapping residuals vesus Authority standards and others in soybeans

Trial ID: 11 FMC SB 04A5 Anthem 16 Protocol ID: 11 FMC SB 04A5 Anthem 16
Location: Concord, NE
Project ID: QNA792-2011-GLMXA-04A5 Investigator: Stevan Knezevic

General Trial Information

Investigator: Stevan Knezevic

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: LG Seeds C2699 RR
BBCH Scale: BSOY Planting Date: 06-16-2011
Planting Method: SEEDED seeded Rate, Unit: 149000 s/a
Depth, Unit: 1.25 in
Row Spacing, Unit: 30 in

Pest Description

Pest 1 Type: W Code: SETVI Setaria viridis
Common Name: Green foxtail

Pest 2 Type: W Code: ABUTH Abutilon theophrasti
Common Name: Velvetleaf

Pest 3 Type: W Code: AMATU Amaranthus tuberculatus
Common Name: Tall waterhemp

Site and Design

Plot Width, Unit: 6.667 FT Site Type: FIELD field
Plot Length, Unit: 25 FT
Plot Area, Unit: 166.6667 FT2 Tillage Type: NOTILL no-till
Replications: 4 Study Design: RACOB L Randomized Complete Block (RCB)

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Unit	Form Type	Rate	Rate Unit	Tank Mix
1.	06-05-2011	Roundup PowerMAX	5.5	lb.gal	SL	29	oz/A	yes
2.	06-05-2011	Cadet	0.5	oz/A	EC	0.5	oz/A	yes
3.	06-05-2011	AMS	21.5	%	SG	2.5	lb/A	yes

Soil Description

% Sand: 10 % OM: 2.4 Texture: SICL silty clay loam
% Silt: 58 pH: 5.6
% Clay: 32 CEC: 18.6 Fert. Level: F fair

Application Description		
	A	B
Application Date:	06-17-2011	07-30-2011
Time of Day:	3:30 pm	1:00 pm
Application Method:	spray	spray
Application Timing:	PRE	POST
Application Placement:	surface	foliar
Applied By:	js	js
Air Temperature, Unit:	85 F	85 F
% Relative Humidity:	55	70
Wind Velocity, Unit:	3 mph	5 mph
Wind Direction:	NW	S
Dew Presence (Y/N):	N no	N no
Soil Temperature, Unit:	74 F	82 F
Soil Moisture:	wet	DRY
% Cloud Cover:	40	30

Crop Stage At Each Application		
	A	B
Crop 1 Code, BBCH Scale:	GLXMA BSOY	GLXMA BSOY
Stage Scale Used:		BBCH
Stage Majority, Percent:		8T/R1
Height, Unit:		18 in
Height Minimum, Maximum:		16 20

Pest Stage At Each Application				
	A		B	
Pest 1 Code, Type, Scale:	SETVI	W	SETVI	W
Height, Unit:			8	in
Height Minimum, Maximum:			4	12
Density, Unit:			0.5	m2
Pest 2 Code, Type, Scale:	ABUTH	W	ABUTH	W
Height, Unit:			8	in
Height Minimum, Maximum:			4	12
Density, Unit:			0.5	m2
Pest 3 Code, Type, Scale:	AMATU	W	AMATU	W
Height, Unit:			8	in
Height Minimum, Maximum:			4	12
Density, Unit:			0.5	m2

Application Equipment		
	A	B
Appl. Equipment:	4 nozzle PRE	Backpack
Operating Pressure, Unit:	20 PSI	30 PSI
Nozzle Type:	Turbo Tee	AIXR
Nozzle Size:	11002	110015
Nozzle Spacing, Unit:	20 in	20 in
Boom Length, Unit:	6.67 ft	6.67 ft
Boom Height, Unit:	15 in	15 in
Ground Speed, Unit:	2.7 mph	2.7 mph
Carrier:	WATER	WATER
Spray Volume, Unit:	15 gal/ac	15 gal/ac
Mix Size, Unit:	.9 liters	.9 liters
Propellant:	COMCO2	COMCO2

Trt No	Treatment Application Comment
6	106 and 108 switched at application. so 1st rep not in treatment order.

Northeast Research & Extension Center

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 Location: Concord, NE
 Project ID: QNA792-2011-GLMXA-04A5 Investigator: Stevan Knezevic

Description		Soybean	Soybean	Green foxtail	Green foxtail	Velvetleaf								
Rating Date		07-26-2011	08-20-2011	07-26-2011	08-20-2011	07-26-2011								
Rating Type		Injury	Injury	Control	Percent	Control								
Rating Unit		Percent	Percent	Percent	Percent	Percent								
Days After First/Last Applic.		39 39	64 21	39 39	64 21	39 39								
Trt-Eval Interval		39 DA-A	21 DA-B	39 DA-A	21 DA-B	39 DA-A								
Plant-Eval Interval		40 DP-1	65 DP-1	40 DP-1	65 DP-1	40 DP-1								
Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
1	Anthem	2.15 lb/gal	SE	5 oz/a	94 g ai/ha			PRE	A	0.0 a	0.0 a	66.3 c	99.0 a	50.0 c
	Roundup PowerMAX	5.5 lb/gal	SL	22 oz/a				POST	B					
	AMS	21.5 %	SG	17 lb/100 gal				POST	B					
2	Anthem	2.15 lb/gal	SE	6 oz/a	113 g ai/ha			PRE	A	0.0 a	0.0 a	88.3 abc	99.0 a	73.3 b
	Roundup PowerMAX	5.5 lb/gal	SL	22 oz/a				POST	B					
	AMS	21.5 %	SG	17 lb/100 gal				POST	B					
3	Anthem	2.15 lb/gal	SE	7 oz/a	132 g ai/ha			PRE	A	0.0 a	0.0 a	90.8 ab	99.0 a	81.3 ab
	Roundup PowerMAX	5.5 lb/gal	SL	22 oz/a				POST	B					
	AMS	21.5 %	SG	17 lb/100 gal				POST	B					
4	F6180	85 %	WG	1.9 oz/a	113 g ai/ha			PRE	A	0.0 a	0.0 a	82.0 abc	99.0 a	74.5 b
	Roundup PowerMAX	5.5 lb/gal	SL	22 oz/a				POST	B					
	AMS	21.5 %	SG	17 lb/100 gal				POST	B					
5	Authority First DF	70 %	WG	3.2 oz/a	157 g ai/ha			PRE	A	0.0 a	0.0 a	82.5 abc	99.0 a	85.0 ab
	Roundup PowerMAX	5.5 lb/gal	SL	22 oz/a				POST	B					
	AMS	21.5 %	SG	17 lb/100 gal				POST	B					
6	Authority XL	70 %	WG	4 oz/a	196 g ai/ha			PRE	A	0.0 a	0.0 a	89.5 ab	99.0 a	99.0 a
	Roundup PowerMAX	5.5 lb/gal	SL	22 oz/a				POST	B					
	AMS	21.5 %	SG	17 lb/100 gal				POST	B					
7	Authority Assist	4 lb/gal	SC	5 oz/a	175 g ai/ha			PRE	A	0.0 a	0.0 a	92.0 a	99.0 a	99.0 a
	Roundup PowerMAX	5.5 lb/gal	SL	22 oz/a				POST	B					
	AMS	21.5 %	SG	17 lb/100 gal				POST	B					
8	Authority XL	70 %	WG	3.2 oz/a	157 g ai/ha			PRE	A	0.0 a	0.0 a	77.3 abc	99.0 a	89.5 ab
	Anthem	2.15 lb/gal	SE	6 oz/a	113 g ai/ha			POST	B					
	Roundup PowerMAX	5.5 lb/gal	SL	22 oz/a				POST	B					
	AMS	21.5 %	SG	17 lb/100 gal				POST	B					
9	Authority XL	70 %	WG	4 oz/a	196 g ai/ha			PRE	A	0.0 a	0.0 a	87.0 abc	99.0 a	92.5 ab
	Anthem	2.15 lb/gal	SE	5 oz/a	94 g ai/ha			POST	B					
	Roundup PowerMAX	5.5 lb/gal	SL	22 oz/a				POST	B					
	AMS	21.5 %	SG	17 lb/100 gal				POST	B					
10	PREFIX	5.29 lb/gal	EC	2 pt/a	1480 g ai/ha			PRE	A	0.0 a	0.0 a	90.0 ab	99.0 a	50.0 c
	Roundup PowerMAX	5.5 lb/gal	SL	22 oz/a				POST	B					
	AMS	21.5 %	SG	17 lb/100 gal				POST	B					
11	SPARTAN	4 lb/gal	SC	4 oz/a	140 g ai/ha			PRE	A	0.0 a	0.0 a	87.0 abc	99.0 a	99.0 a
	CLASSIC	25 %	WG	0.75 oz/a	13.1 g ai/ha			PRE	A					
	Anthem	2.15 lb/gal	SE	6 oz/a	113 g ai/ha			POST	B					
	Roundup PowerMAX	5.5 lb/gal	SL	22 oz/a				POST	B					
	AMS	21.5 %	SG	17 lb/100 gal				POST	B					

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

Description	Soybean		Soybean		Green foxtail		Green foxtail		Velvetleaf						
Rating Date	07-26-2011		08-20-2011		07-26-2011		08-20-2011		07-26-2011						
Rating Type	Injury		Injury		Control		Percent		Control						
Rating Unit	Percent		Percent		Percent		Percent		Percent						
Days After First/Last Applic.	39 39		64 21		39 39		64 21		39 39						
Trt-Eval Interval	39 DA-A		21 DA-B		39 DA-A		21 DA-B		39 DA-A						
Plant-Eval Interval	40 DP-1		65 DP-1		40 DP-1		65 DP-1		40 DP-1						
Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
12	SPARTAN	4 lb/gal	SC		4 oz/a		140 g ai/ha		PRE	A	0.0 a	0.0 a	68.3 bc	99.0 a	96.8 a
	CLASSIC	25 %	WG		0.5 oz/a		8.8 g ai/ha		PRE	A					
	Roundup PowerMAX	5.5 lb/gal	SL		22 oz/a				POST	B					
	AMS	21.5 %	SG		17 lb/100 gal				POST	B					
13	Authority XL	70 %	WG		3.2 oz/a		157 g ai/ha		PRE	A	0.0 a	0.0 a	81.0 abc	99.0 a	99.0 a
	Anthem	2.15 lb/gal	SE		6 oz/a		113 g ai/ha		PRE	A					
	Roundup PowerMAX	5.5 lb/gal	SL		22 oz/a				POST	B					
	AMS	21.5 %	SG		17 lb/100 gal				POST	B					
14	Authority XL	70 %	WG		4 oz/a		196 g ai/ha		PRE	A	0.0 a	0.0 a	90.8 ab	99.0 a	95.5 a
	Anthem	2.15 lb/gal	SE		5 oz/a		94 g ai/ha		PRE	A					
	Roundup PowerMAX	5.5 lb/gal	SL		22 oz/a				POST	B					
	AMS	21.5 %	SG		17 lb/100 gal				POST	B					
15	Authority First DF	70 %	WG		3.2 oz/a		157 g ai/ha		PRE	A	0.0 a	0.0 a	89.5 ab	99.0 a	99.0 a
	Anthem	2.15 lb/gal	SE		5 oz/a		94 g ai/ha		PRE	A					
	Roundup PowerMAX	5.5 lb/gal	SL		22 oz/a				POST	B					
	AMS	21.5 %	SG		17 lb/100 gal				POST	B					
16	Roundup PowerMAX	5.5 lb/gal	SL		22 oz/a				POST	B	0.0 a	0.0 a	0.0 d	99.0 a	0.0 d
	AMS	21.5 %	SG		17 lb/100 gal				POST	B					
LSD (P=.05)											0.00	0.00	19.62	0.00	17.89
Standard Deviation											0.00	0.00	13.73	0.00	12.28
CV											0.0	0.0	17.4	0.0	15.31
Grand Mean											0.0	0.0	78.89	99.0	80.21
Replicate F											0.000	0.000	3.113	0.000	0.397
Replicate Prob(F)											1.0000	1.0000	0.0362	1.0000	0.7560
Treatment F											0.000	0.000	10.674	0.000	19.231
Treatment Prob(F)											1.0000	1.0000	0.0001	1.0000	0.0001

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Description		Velvetleaf	Waterhemp	Waterhemp	Venice mallow	Venice mallow								
Rating Date		08-20-2011	07-26-2011	08-20-2011	07-26-2011	08-20-2011								
Rating Type		Percent	Control	Percent	Control	Percent								
Rating Unit		Percent	Percent	Percent	Percent	Percent								
Days After First/Last Applic.		64 21	39 39	64 21	39 39	64 21								
Trt-Eval Interval		21 DA-B	39 DA-A	21 DA-B	39 DA-A	21 DA-B								
Plant-Eval Interval		65 DP-1	40 DP-1	65 DP-1	40 DP-1	65 DP-1								
Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate Rate	Other Rate	Other Unit	Growth Stage	Appl Code					
1	Anthem	2.15 lb/gal	SE	5 oz/a	94 g ai/ha			PRE	A	99.0 a	84.8 a	99.0 a	45.0 e	99.0 a
	Roundup PowerMAX	5.5 lb/gal	SL	22 oz/a				POST	B					
	AMS	21.5 %	SG	17 lb/100 gal				POST	B					
2	Anthem	2.15 lb/gal	SE	6 oz/a	113 g ai/ha			PRE	A	99.0 a	91.0 a	99.0 a	70.0 cd	99.0 a
	Roundup PowerMAX	5.5 lb/gal	SL	22 oz/a				POST	B					
	AMS	21.5 %	SG	17 lb/100 gal				POST	B					
3	Anthem	2.15 lb/gal	SE	7 oz/a	132 g ai/ha			PRE	A	99.0 a	93.0 a	99.0 a	85.0 a-d	99.0 a
	Roundup PowerMAX	5.5 lb/gal	SL	22 oz/a				POST	B					
	AMS	21.5 %	SG	17 lb/100 gal				POST	B					
4	F6180	85 %	WG	1.9 oz/a	113 g ai/ha			PRE	A	99.0 a	84.3 a	99.0 a	63.3 de	99.0 a
	Roundup PowerMAX	5.5 lb/gal	SL	22 oz/a				POST	B					
	AMS	21.5 %	SG	17 lb/100 gal				POST	B					
5	Authority First DF	70 %	WG	3.2 oz/a	157 g ai/ha			PRE	A	99.0 a	99.0 a	99.0 a	99.0 a	99.0 a
	Roundup PowerMAX	5.5 lb/gal	SL	22 oz/a				POST	B					
	AMS	21.5 %	SG	17 lb/100 gal				POST	B					
6	Authority XL	70 %	WG	4 oz/a	196 g ai/ha			PRE	A	99.0 a	95.5 a	99.0 a	99.0 a	99.0 a
	Roundup PowerMAX	5.5 lb/gal	SL	22 oz/a				POST	B					
	AMS	21.5 %	SG	17 lb/100 gal				POST	B					
7	Authority Assist	4 lb/gal	SC	5 oz/a	175 g ai/ha			PRE	A	99.0 a	97.7 a	99.0 a	99.0 a	99.0 a
	Roundup PowerMAX	5.5 lb/gal	SL	22 oz/a				POST	B					
	AMS	21.5 %	SG	17 lb/100 gal				POST	B					
8	Authority XL	70 %	WG	3.2 oz/a	157 g ai/ha			PRE	A	99.0 a	97.7 a	99.0 a	97.0 ab	99.0 a
	Anthem	2.15 lb/gal	SE	6 oz/a	113 g ai/ha			POST	B					
	Roundup PowerMAX	5.5 lb/gal	SL	22 oz/a				POST	B					
	AMS	21.5 %	SG	17 lb/100 gal				POST	B					
9	Authority XL	70 %	WG	4 oz/a	196 g ai/ha			PRE	A	99.0 a	99.0 a	99.0 a	76.7 a-d	99.0 a
	Anthem	2.15 lb/gal	SE	5 oz/a	94 g ai/ha			POST	B					
	Roundup PowerMAX	5.5 lb/gal	SL	22 oz/a				POST	B					
	AMS	21.5 %	SG	17 lb/100 gal				POST	B					
10	PREFIX	5.29 lb/gal	EC	2 pt/a	1480 g ai/ha			PRE	A	99.0 a	95.8 a	99.0 a	65.0 de	99.0 a
	Roundup PowerMAX	5.5 lb/gal	SL	22 oz/a				POST	B					
	AMS	21.5 %	SG	17 lb/100 gal				POST	B					
11	SPARTAN	4 lb/gal	SC	4 oz/a	140 g ai/ha			PRE	A	99.0 a	97.7 a	99.0 a	91.0 abc	99.0 a
	CLASSIC	25 %	WG	0.75 oz/a	13.1 g ai/ha			PRE	A					
	Anthem	2.15 lb/gal	SE	6 oz/a	113 g ai/ha			POST	B					
	Roundup PowerMAX	5.5 lb/gal	SL	22 oz/a				POST	B					
	AMS	21.5 %	SG	17 lb/100 gal				POST	B					

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Description								Velvetleaf	Waterhemp	Waterhemp	Venice mallow	Venice mallow		
Rating Date								08-20-2011	07-26-2011	08-20-2011	07-26-2011	08-20-2011		
Rating Type								Percent	Control	Percent	Control	Percent		
Rating Unit								64 21	39 39	64 21	39 39	64 21		
Days After First/Last Applic.								21 DA-B	39 DA-A	21 DA-B	39 DA-A	21 DA-B		
Trt-Eval Interval								65 DP-1	40 DP-1	65 DP-1	40 DP-1	65 DP-1		
Plant-Eval Interval														
Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
12	SPARTAN	4 lb/gal		SC	4 oz/a	140 g ai/ha		PRE	A	99.0 a	99.0 a	99.0 a	74.5 bcd	99.0 a
	CLASSIC	25 %		WG	0.5 oz/a	8.8 g ai/ha		PRE	A					
	Roundup PowerMAX	5.5 lb/gal		SL	22 oz/a			POST	B					
	AMS	21.5 %		SG	17 lb/100 gal			POST	B					
13	Authority XL	70 %		WG	3.2 oz/a	157 g ai/ha		PRE	A	99.0 a	99.0 a	99.0 a	89.5 abc	99.0 a
	Anthem	2.15 lb/gal		SE	6 oz/a	113 g ai/ha		PRE	A					
	Roundup PowerMAX	5.5 lb/gal		SL	22 oz/a			POST	B					
	AMS	21.5 %		SG	17 lb/100 gal			POST	B					
14	Authority XL	70 %		WG	4 oz/a	196 g ai/ha		PRE	A	99.0 a	99.0 a	99.0 a	80.0 a-d	99.0 a
	Anthem	2.15 lb/gal		SE	5 oz/a	94 g ai/ha		PRE	A					
	Roundup PowerMAX	5.5 lb/gal		SL	22 oz/a			POST	B					
	AMS	21.5 %		SG	17 lb/100 gal			POST	B					
15	Authority First DF	70 %		WG	3.2 oz/a	157 g ai/ha		PRE	A	99.0 a	99.0 a	99.0 a		99.0 a
	Anthem	2.15 lb/gal		SE	5 oz/a	94 g ai/ha		PRE	A					
	Roundup PowerMAX	5.5 lb/gal		SL	22 oz/a			POST	B					
	AMS	21.5 %		SG	17 lb/100 gal			POST	B					
16	Roundup PowerMAX	5.5 lb/gal		SL	22 oz/a			POST	B	99.0 a	0.0 b	99.0 a	0.0 f	99.0 a
	AMS	21.5 %		SG	17 lb/100 gal			POST	B					
LSD (P=.05)								0.00	13.69	0.00	20.84	0.00		
Standard Deviation								0.00	9.58	0.00	13.83	0.00		
CV								0.0	10.71	0.0	18.29	0.0		
Grand Mean								99.0	89.45	99.0	75.6	99.0		
Replicate F								0.000	1.172	0.000	0.415	0.000		
Replicate Prob(F)								1.0000	0.3326	1.0000	0.7447	1.0000		
Treatment F								0.000	25.828	0.000	14.325	0.000		
Treatment Prob(F)								1.0000	0.0001	1.0000	0.0001	1.0000		

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Description		Soybean		Soybean							
Rating Date		10-05-2011		10-05-2011							
Rating Type		Moisture		Yield@13.0%							
Rating Unit		%		bu/A							
Days After First/Last Applic.		110 67		110 67							
Trt-Eval Interval		111 DP-1		111 DP-1							
Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate Rate Unit	Other Rate	Other Unit	Growth Stage	Appl Code		
1	Anthem	2.15 lb/gal	SE		5 oz/a	94 g ai/ha		PRE	A	8.907 a	33.1025000 a
	Roundup PowerMAX	5.5 lb/gal	SL		22 oz/a			POST	B		
	AMS	21.5 %	SG		17 lb/100 gal			POST	B		
2	Anthem	2.15 lb/gal	SE		6 oz/a	113 g ai/ha		PRE	A	8.833 a	32.3625000 a
	Roundup PowerMAX	5.5 lb/gal	SL		22 oz/a			POST	B		
	AMS	21.5 %	SG		17 lb/100 gal			POST	B		
3	Anthem	2.15 lb/gal	SE		7 oz/a	132 g ai/ha		PRE	A	9.015 a	32.7825000 a
	Roundup PowerMAX	5.5 lb/gal	SL		22 oz/a			POST	B		
	AMS	21.5 %	SG		17 lb/100 gal			POST	B		
4	F6180	85 %	WG		1.9 oz/a	113 g ai/ha		PRE	A	9.110 a	33.4200000 a
	Roundup PowerMAX	5.5 lb/gal	SL		22 oz/a			POST	B		
	AMS	21.5 %	SG		17 lb/100 gal			POST	B		
5	Authority First DF	70 %	WG		3.2 oz/a	157 g ai/ha		PRE	A	9.330 a	34.8650000 a
	Roundup PowerMAX	5.5 lb/gal	SL		22 oz/a			POST	B		
	AMS	21.5 %	SG		17 lb/100 gal			POST	B		
6	Authority XL	70 %	WG		4 oz/a	196 g ai/ha		PRE	A	8.950 a	33.1550000 a
	Roundup PowerMAX	5.5 lb/gal	SL		22 oz/a			POST	B		
	AMS	21.5 %	SG		17 lb/100 gal			POST	B		
7	Authority Assist	4 lb/gal	SC		5 oz/a	175 g ai/ha		PRE	A	9.003 a	34.1725000 a
	Roundup PowerMAX	5.5 lb/gal	SL		22 oz/a			POST	B		
	AMS	21.5 %	SG		17 lb/100 gal			POST	B		
8	Authority XL	70 %	WG		3.2 oz/a	157 g ai/ha		PRE	A	8.478 a	31.7150000 a
	Anthem	2.15 lb/gal	SE		6 oz/a	113 g ai/ha		POST	B		
	Roundup PowerMAX	5.5 lb/gal	SL		22 oz/a			POST	B		
	AMS	21.5 %	SG		17 lb/100 gal			POST	B		
9	Authority XL	70 %	WG		4 oz/a	196 g ai/ha		PRE	A	8.583 a	31.0366700 a
	Anthem	2.15 lb/gal	SE		5 oz/a	94 g ai/ha		POST	B		
	Roundup PowerMAX	5.5 lb/gal	SL		22 oz/a			POST	B		
	AMS	21.5 %	SG		17 lb/100 gal			POST	B		
10	PREFIX	5.29 lb/gal	EC		2 pt/a	1480 g ai/ha		PRE	A	8.808 a	33.1925000 a
	Roundup PowerMAX	5.5 lb/gal	SL		22 oz/a			POST	B		
	AMS	21.5 %	SG		17 lb/100 gal			POST	B		
11	SPARTAN	4 lb/gal	SC		4 oz/a	140 g ai/ha		PRE	A	8.683 a	32.3650000 a
	CLASSIC	25 %	WG		0.75 oz/a	13.1 g ai/ha		PRE	A		
	Anthem	2.15 lb/gal	SE		6 oz/a	113 g ai/ha		POST	B		
	Roundup PowerMAX	5.5 lb/gal	SL		22 oz/a			POST	B		
	AMS	21.5 %	SG		17 lb/100 gal			POST	B		

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

Description		Soybean		Soybean									
Rating Date		10-05-2011		10-05-2011									
Rating Type		Moisture		Yield@13.0%									
Rating Unit		%		bu/A									
Days After First/Last Applic.		110 67		110 67									
Trt-Eval Interval		111 DP-1		111 DP-1									
Plant-Eval Interval													
Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate Rate	Unit	Other Rate	Other Unit	Growth Stage	Appl Code			
12	SPARTAN	4 lb/gal	SC		4 oz/a		140 g ai/ha		PRE	A	8.778 a	32.9225000 a	
	CLASSIC	25 %	WG		0.5 oz/a		8.8 g ai/ha		PRE	A			
	Roundup PowerMAX	5.5 lb/gal	SL		22 oz/a				POST	B			
	AMS	21.5 %	SG		17 lb/100 gal				POST	B			
13	Authority XL	70 %	WG		3.2 oz/a		157 g ai/ha		PRE	A	8.953 a	32.9875000 a	
	Anthem	2.15 lb/gal	SE		6 oz/a		113 g ai/ha		PRE	A			
	Roundup PowerMAX	5.5 lb/gal	SL		22 oz/a				POST	B			
	AMS	21.5 %	SG		17 lb/100 gal				POST	B			
14	Authority XL	70 %	WG		4 oz/a		196 g ai/ha		PRE	A	8.713 a	32.7925000 a	
	Anthem	2.15 lb/gal	SE		5 oz/a		94 g ai/ha		PRE	A			
	Roundup PowerMAX	5.5 lb/gal	SL		22 oz/a				POST	B			
	AMS	21.5 %	SG		17 lb/100 gal				POST	B			
15	Authority First DF	70 %	WG		3.2 oz/a		157 g ai/ha		PRE	A	9.178 a	32.8700000 a	
	Anthem	2.15 lb/gal	SE		5 oz/a		94 g ai/ha		PRE	A			
	Roundup PowerMAX	5.5 lb/gal	SL		22 oz/a				POST	B			
	AMS	21.5 %	SG		17 lb/100 gal				POST	B			
16	Roundup PowerMAX	5.5 lb/gal	SL		22 oz/a				POST	B	8.838 a	31.9375000 a	
	AMS	21.5 %	SG		17 lb/100 gal				POST	B			
LSD (P=.05)						0.7081				2.70932700			
Standard Deviation						0.4955				1.89587700			
CV						5.58				5.77			
Grand Mean						8.88				32.85			
Replicate F						11.411				4.516			
Replicate Prob(F)						0.0001				0.0077			
Treatment F						0.787				0.915			
Treatment Prob(F)						0.6843				0.5550			

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