

2011 Zidua Soybean Two Pass No Till Midwest

Trial ID: 11 BAS SB Zidua-05 Protocol ID: 11 BAS SB Zidua-05  
Location: Concord, NE  
Project ID: 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: 06-07-2011  
Planting Method: SEEDED seeded Rate, Unit: 156816 s/a  
Depth, Unit: 1.5 in  
Row Spacing, Unit: 30 in Harvest Date: 10-04-2011 Harvest Equipment: Almaco SP40  
Harvested Width, Unit: 5 ft Harvested Length, Unit: 27.5 ft  
% Standard Moisture: 13.0

Pest Description

- Pest 1 Type: W Code: ERICA Conyza canadensis  
Common Name: Canada horseweed
- Pest 2 Type: W Code: LACSE Lactuca serriola  
Common Name: Prickly lettuce
- Pest 3 Type: W Code: TAROF Taraxacum officinale  
Common Name: Common dandelion
- Pest 4 Type: W Code: SETVI Setaria viridis  
Common Name: Green foxtail
- Pest 5 Type: W Code: CCHSS Cenchrus sp.  
Common Name: Sandbur
- Pest 6 Type: W Code: AMBEL Ambrosia artemisiifolia  
Common Name: Common ragweed
- Pest 7 Type: W Code: AMATU Amaranthus tuberculatus  
Common Name: Tall waterhemp

Site and Design

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

Soil Description

% Sand: 12 % OM: 2.5 Texture: SICL silty clay loam  
% Silt: 58 pH: 5.6  
% Clay: 30 CEC: 17.7 Fert. Level: F fair  
Analyzed By:  
Midwest Labs

Application Description

	A	B	C
Application Date:	06-01-2011	07-25-2011	
Time of Day:	11:30 am	1:30 pm	
Application Method:	spray	spray	
Application Timing:	BURNDOWN	POST	
Application Placement:	foliar	foliar	
Applied By:	js	js	
Air Temperature, Unit:	72 F	88 F	
% Relative Humidity:	48	58	
Wind Velocity, Unit:	5 mph	2 mph	
Wind Direction:	SE	SE	
Dew Presence (Y/N):	N no	N no	
Soil Temperature, Unit:	64 F		
Soil Moisture:	wet		
% Cloud Cover:	70	5	

Crop Stage At Each Application

	A	B	C
Crop 1 Code, BBCH Scale:	GLXMA BSOY	GLXMA BSOY	GLXMA BSOY
Stage Scale Used:		BBCH	
Stage Majority, Percent:		8T/R1 100	
Height, Unit:		12 in	
Height Minimum, Maximum:		10 16	

Pest Stage At Each Application

	A	B	C
Pest 1 Code, Type, Scale:	ERICA W	ERICA W	ERICA W
Height, Unit:	4.5 in	2 in	
Height Minimum, Maximum:	3 6		
Density, Unit:	10 m2	0.1 m2	
Pest 2 Code, Type, Scale:	LACSE W	LACSE W	LACSE W
Height, Unit:	3 in		
Height Minimum, Maximum:	2 4		
Density, Unit:	0.1 m2		
Pest 3 Code, Type, Scale:	TAROF W	TAROF W	TAROF W
Height, Unit:	3 in	2 in	
Height Minimum, Maximum:	2 4	1 3	
Density, Unit:	0.1 m2	0.1 m2	
Pest 4 Code, Type, Scale:	SETVI W	SETVI W	SETVI W
Height, Unit:		8 in	
Height Minimum, Maximum:		6 10	
Density, Unit:		1 m2	
Pest 5 Code, Type, Scale:	CCHSS W	CCHSS W	CCHSS W
Height, Unit:		8 in	
Height Minimum, Maximum:		6 10	
Density, Unit:		0.1 m2	
Pest 6 Code, Type, Scale:	AMBEL W	AMBEL W	AMBEL W
Height, Unit:		8 in	
Height Minimum, Maximum:		6 10	
Density, Unit:		1 m2	
Pest 7 Code, Type, Scale:	AMATU W	AMATU W	AMATU W
Height, Unit:		8 in	
Height Minimum, Maximum:		6 10	
Density, Unit:		0.1 m2	

Application Equipment			
	A	B	C
Appl. Equipment:	Backpack	Tractor	
Operating Pressure, Unit:	20 PSI	40 PSI	
Nozzle Type:	Turbo Tee	AIXR	
Nozzle Size:	11003	110015	
Nozzle Spacing, Unit:	20 in	20 in	
Boom Length, Unit:	10 ft	10 ft	
Boom Height, Unit:	15 in	15 in	
Ground Speed, Unit:	2.7 mph	4 mph	
Carrier:	WATER	WATER	
Spray Volume, Unit:	20 gal/ac	15 gal/ac	
Mix Size, Unit:	1.8 liters		
Propellant:	COMCO2	COMCO2	

No. Date	By	Deviations
1.10-04-2011		Application C on treatment 8 was not applied.

2011 Zidua Soybean Two Pass No Till Midwest												
Trial ID: 11 BAS SB Zidua-05 Protocol ID: 11 BAS SB Zidua-05												
Location: Concord, NE												
Project ID: Investigator: Stevan Knezevic												
Description	Marestail		Marestail		Prickly Lettuce		Prickly Lettuce		Dandelion		Dandelion	
Rating Date	06-07-2011		07-19-2011		06-07-2011		07-19-2011		06-07-2011		07-19-2011	
Rating Type	Control		Control		Control		Control		Control		Control	
Rating Unit	Percent		Percent		Percent		Percent		Percent		Percent	
Days After First/Last Applic.	6 6		48 48		6 6		48 48		6 6		48 48	
Trt-Eval Interval	0 DP-1		42 DP-1		0 DP-1		42 DP-1		0 DP-1		42 DP-1	
Plant-Eval Interval	0 DP-1		42 DP-1		0 DP-1		42 DP-1		0 DP-1		42 DP-1	
Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate Rate	Rate Unit	Growth Stage	Appl Code				
1	Roundup PowerMAX AMS	5.5 lb/gal	SL	SL	22 oz/a	gal	Burndown	A	90.0 c	80.0 a	99.0 a	99.0 a
	Roundup PowerMAX AMS	21 %	SG	SG	17 lb/100 gal	gal	Burndown	A				71.7 b
	Roundup PowerMAX AMS	5.5 lb/gal	SL	SL	22 oz/a	gal	POST	B				
	Roundup PowerMAX AMS	21 %	SG	SG	17 lb/100 gal	gal	POST	B				
2	Zidua	85 %	WG	WG	2 oz/a		Burndown	A	99.0 a	92.7 a	99.0 a	99.0 a
	Sharpen	2.85 lb/gal	SC	SC	1 oz/a		Burndown	A				96.3 a
	Roundup PowerMAX	5.5 lb/gal	SL	SL	22 oz/a		Burndown	A				
	MSO	100 %	L	L	1 % v/v		Burndown	A				
	AMS	21 %	SG	SG	17 lb/100 gal	gal	Burndown	A				
	Roundup PowerMAX	5.5 lb/gal	SL	SL	22 oz/a		POST	B				
	AMS	21 %	SG	SG	17 lb/100 gal	gal	POST	B				
3	Zidua	85 %	WG	WG	2.5 oz/a		Burndown	A	99.0 a	96.0 a	99.0 a	99.0 a
	Sharpen	2.85 lb/gal	SC	SC	1 oz/a		Burndown	A				94.7 a
	Roundup PowerMAX	5.5 lb/gal	SL	SL	22 oz/a		Burndown	A				
	MSO	100 %	L	L	1 % v/v		Burndown	A				
	AMS	21 %	SG	SG	17 lb/100 gal	gal	Burndown	A				
	Roundup PowerMAX	5.5 lb/gal	SL	SL	22 oz/a		POST	B				
	AMS	21 %	SG	SG	17 lb/100 gal	gal	POST	B				
4	Zidua	85 %	WG	WG	1.5 oz/a		Burndown	A	95.7 b	92.7 a	99.0 a	99.0 a
	Valor	51 %	WG	WG	2 oz/a		Burndown	A				94.7 a
	Roundup PowerMAX	5.5 lb/gal	SL	SL	22 oz/a		Burndown	A				
	2,4-D LV ester	4 lb/gal	EC	EC	8 oz/a		Burndown	A				
	AMS	21 %	SG	SG	17 lb/100 gal	gal	Burndown	A				
	Roundup PowerMAX	5.5 lb/gal	SL	SL	22 oz/a		POST	B				
	AMS	21 %	SG	SG	17 lb/100 gal	gal	POST	B				
5	Zidua	85 %	WG	WG	2 oz/a		Burndown	A	99.0 a	99.0 a	99.0 a	99.0 a
	Verdict	5.57 lb/gal	EC	EC	5 oz/a		Burndown	A				99.0 a
	Roundup PowerMAX	5.5 lb/gal	SL	SL	22 oz/a		Burndown	A				
	MSO	100 %	L	L	1 % v/v		Burndown	A				
	AMS	21 %	SG	SG	17 lb/100 gal	gal	Burndown	A				
	Roundup PowerMAX	5.5 lb/gal	SL	SL	22 oz/a		POST	B				
	AMS	21 %	SG	SG	17 lb/100 gal	gal	POST	B				
6	Valor	51 %	WG	WG	2 oz/a		Burndown	A	95.0 b	93.0 a	99.0 a	99.0 a
	Roundup PowerMAX	5.5 lb/gal	SL	SL	22 oz/a		Burndown	A				95.0 b
	2,4-D LV ester	4 lb/gal	EC	EC	8 oz/a		Burndown	A				96.3 a
	AMS	21 %	SG	SG	17 lb/100 gal	gal	Burndown	A				
	Roundup PowerMAX	5.5 lb/gal	SL	SL	22 oz/a		POST	B				
	AMS	21 %	SG	SG	17 lb/100 gal	gal	POST	B				
7	Authority Assist	4 lb/gal	L	L	5 oz/a		Burndown	A	95.0 b	92.7 a	99.0 a	99.0 a
	Roundup PowerMAX	5.5 lb/gal	SL	SL	22 oz/a		Burndown	A				95.0 b
	2,4-D LV ester	4 lb/gal	EC	EC	8 oz/a		Burndown	A				88.3 a
	AMS	21 %	SG	SG	17 lb/100 gal	gal	Burndown	A				
	Roundup PowerMAX	5.5 lb/gal	SL	SL	22 oz/a		POST	B				
	AMS	21 %	SG	SG	17 lb/100 gal	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							Marestail	Marestail	Prickly Lettuce	Prickly Lettuce	Dandelion	Dandelion
Rating Date							06-07-2011	07-19-2011	06-07-2011	07-19-2011	06-07-2011	07-19-2011
Rating Type							Control	Control	Control	Control	Control	Control
Rating Unit							Percent	Percent	Percent	Percent	Percent	Percent
Days After First/Last Applic.							6 6	48 48	6 6	48 48	6 6	48 48
Trt-Eval Interval							0 DP-1	42 DP-1	0 DP-1	42 DP-1	0 DP-1	42 DP-1
Plant-Eval Interval												
Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate Rate Unit	Growth Stage	Appl Code					
8	Zidua	85 %	WG		2.5 oz/a	Burndown A		99.0 a	99.0 a	99.0 a	99.0 a	91.3 a
	Sharpen	2.85 lb/gal	SC		1 oz/a	Burndown A						
	Roundup PowerMAX	5.5 lb/gal	SL		22 oz/a	Burndown A						
	MSO	100 %	L		1 % v/v	Burndown A						
	AMS	21 %	SG		17 lb/100 gal	Burndown A						
	Roundup PowerMAX	5.5 lb/gal	SL		22 oz/a	POST B						
	AMS	21 %	SG		17 lb/100 gal	POST B						
	Priaxor	4.17 lb/gal	SC		4 oz/a	R3 C						
	NIS	100 %	L		0.25 % v/v	R3 C						
9	Zidua	85 %	WG		1.5 oz/a	Burndown A		99.0 a	92.7 a	99.0 a	99.0 a	98.3 a
	Verdict	5.57 lb/gal	EC		5 oz/a	Burndown A						
	Roundup PowerMAX	5.5 lb/gal	SL		22 oz/a	Burndown A						
	MSO	100 %	L		1 % v/v	Burndown A						
	AMS	21 %	SG		17 lb/100 gal	Burndown A						
	Roundup PowerMAX	5.5 lb/gal	SL		22 oz/a	POST B						
	AMS	21 %	SG		17 lb/100 gal	POST B						
	LSD (P=.05)							0.67	13.25	0.00	0.00	0.67
	Standard Deviation							0.38	7.66	0.00	0.00	0.38
	CV							0.4	8.23	0.0	0.0	0.4
	Grand Mean							96.74	93.07	99.0	99.0	96.74
	Replicate F							1.000	1.559	0.000	0.000	1.000
	Replicate Prob(F)							0.3897	0.2407	1.0000	1.0000	0.3897
	Treatment F							197.875	1.602	0.000	0.000	197.875
	Treatment Prob(F)							0.0001	0.2009	1.0000	1.0000	0.0001

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)  
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Description							Green foxtail	Green foxtail	Sandbur	Sandbur	Common ragweed	
Rating Date							07-19-2011	08-20-2011	07-19-2011	08-20-2011	07-19-2011	
Rating Type							Control	Control	Control	Control	Control	
Rating Unit							Percent	Percent	Percent	Percent	Percent	
Days After First/Last Applic.							48 48	80 26	48 48	80 26	48 48	
Trt-Eval Interval												
Plant-Eval Interval							42 DP-1	74 DP-1	42 DP-1	74 DP-1	42 DP-1	
Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate	Growth Stage	Appl Code					
1	Roundup PowerMAX AMS	5.5 lb/gal	SL	SL	22 oz/a	Burndown A	A	0.0 b	99.0 a	0.0 b	99.0 a	85.0 a
	Roundup PowerMAX AMS	21 %	SG	SG	17 lb/100 gal	Burndown A	A					
	Roundup PowerMAX AMS	5.5 lb/gal	SL	SL	22 oz/a	POST	B					
	Roundup PowerMAX AMS	21 %	SG	SG	17 lb/100 gal	POST	B					
2	Zidua	85 %	WG	WG	2 oz/a	Burndown A	A	99.0 a	99.0 a	80.0 a	99.0 a	87.5 a
	Sharpen	2.85 lb/gal	SC	SC	1 oz/a	Burndown A	A					
	Roundup PowerMAX	5.5 lb/gal	SL	SL	22 oz/a	Burndown A	A					
	MSO	100 %	L	L	1 % v/v	Burndown A	A					
	AMS	21 %	SG	SG	17 lb/100 gal	Burndown A	A					
	Roundup PowerMAX	5.5 lb/gal	SL	SL	22 oz/a	POST	B					
	AMS	21 %	SG	SG	17 lb/100 gal	POST	B					
3	Zidua	85 %	WG	WG	2.5 oz/a	Burndown A	A	99.0 a	99.0 a	99.0 a	99.0 a	97.5 a
	Sharpen	2.85 lb/gal	SC	SC	1 oz/a	Burndown A	A					
	Roundup PowerMAX	5.5 lb/gal	SL	SL	22 oz/a	Burndown A	A					
	MSO	100 %	L	L	1 % v/v	Burndown A	A					
	AMS	21 %	SG	SG	17 lb/100 gal	Burndown A	A					
	Roundup PowerMAX	5.5 lb/gal	SL	SL	22 oz/a	POST	B					
	AMS	21 %	SG	SG	17 lb/100 gal	POST	B					
4	Zidua	85 %	WG	WG	1.5 oz/a	Burndown A	A	99.0 a	99.0 a	75.0 a	99.0 a	93.0 a
	Valor	51 %	WG	WG	2 oz/a	Burndown A	A					
	Roundup PowerMAX	5.5 lb/gal	SL	SL	22 oz/a	Burndown A	A					
	2,4-D LV ester	4 lb/gal	EC	EC	8 oz/a	Burndown A	A					
	AMS	21 %	SG	SG	17 lb/100 gal	Burndown A	A					
	Roundup PowerMAX	5.5 lb/gal	SL	SL	22 oz/a	POST	B					
	AMS	21 %	SG	SG	17 lb/100 gal	POST	B					
5	Zidua	85 %	WG	WG	2 oz/a	Burndown A	A	94.5 a	99.0 a	99.0 a	99.0 a	99.0 a
	Verdict	5.57 lb/gal	EC	EC	5 oz/a	Burndown A	A					
	Roundup PowerMAX	5.5 lb/gal	SL	SL	22 oz/a	Burndown A	A					
	MSO	100 %	L	L	1 % v/v	Burndown A	A					
	AMS	21 %	SG	SG	17 lb/100 gal	Burndown A	A					
	Roundup PowerMAX	5.5 lb/gal	SL	SL	22 oz/a	POST	B					
	AMS	21 %	SG	SG	17 lb/100 gal	POST	B					
6	Valor	51 %	WG	WG	2 oz/a	Burndown A	A	97.7 a	99.0 a	75.0 a	99.0 a	89.0 a
	Roundup PowerMAX	5.5 lb/gal	SL	SL	22 oz/a	Burndown A	A					
	2,4-D LV ester	4 lb/gal	EC	EC	8 oz/a	Burndown A	A					
	AMS	21 %	SG	SG	17 lb/100 gal	Burndown A	A					
	Roundup PowerMAX	5.5 lb/gal	SL	SL	22 oz/a	POST	B					
	AMS	21 %	SG	SG	17 lb/100 gal	POST	B					
7	Authority Assist	4 lb/gal	L	L	5 oz/a	Burndown A	A	99.0 a	99.0 a	89.3 a	99.0 a	81.0 a
	Roundup PowerMAX	5.5 lb/gal	SL	SL	22 oz/a	Burndown A	A					
	2,4-D LV ester	4 lb/gal	EC	EC	8 oz/a	Burndown A	A					
	AMS	21 %	SG	SG	17 lb/100 gal	Burndown A	A					
	Roundup PowerMAX	5.5 lb/gal	SL	SL	22 oz/a	POST	B					
	AMS	21 %	SG	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							Green foxtail	Green foxtail	Sandbur	Sandbur	Common ragweed	
Rating Date							07-19-2011	08-20-2011	07-19-2011	08-20-2011	07-19-2011	
Rating Type							Control	Control	Control	Control	Control	
Rating Unit							Percent	Percent	Percent	Percent	Percent	
Days After First/Last Applic.							48 48	80 26	48 48	80 26	48 48	
Trt-Eval Interval												
Plant-Eval Interval							42 DP-1	74 DP-1	42 DP-1	74 DP-1	42 DP-1	
Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate Rate Unit	Growth Stage	Appl Code					
8	Zidua	85 %		WG	2.5 oz/a	Burndown A		92.7 a	99.0 a	85.0 a	99.0 a	90.0 a
	Sharpen	2.85 lb/gal		SC	1 oz/a	Burndown A						
	Roundup PowerMAX	5.5 lb/gal		SL	22 oz/a	Burndown A						
	MSO	100 %		L	1 % v/v	Burndown A						
	AMS	21 %		SG	17 lb/100 gal	Burndown A						
	Roundup PowerMAX	5.5 lb/gal		SL	22 oz/a	POST B						
	AMS	21 %		SG	17 lb/100 gal	POST B						
	Priaxor	4.17 lb/gal		SC	4 oz/a	R3 C						
	NIS	100 %		L	0.25 % v/v	R3 C						
9	Zidua	85 %		WG	1.5 oz/a	Burndown A		97.7 a	99.0 a	88.0 a	99.0 a	84.7 a
	Verdict	5.57 lb/gal		EC	5 oz/a	Burndown A						
	Roundup PowerMAX	5.5 lb/gal		SL	22 oz/a	Burndown A						
	MSO	100 %		L	1 % v/v	Burndown A						
	AMS	21 %		SG	17 lb/100 gal	Burndown A						
	Roundup PowerMAX	5.5 lb/gal		SL	22 oz/a	POST B						
	AMS	21 %		SG	17 lb/100 gal	POST B						
LSD (P=.05)							9.21	0.00	24.32	0.00	17.15	
Standard Deviation							5.12	0.00	13.53	0.00	9.43	
CV							5.92	0.0	17.64	0.0	10.52	
Grand Mean							86.5	99.0	76.7	99.0	89.63	
Replicate F							0.261	0.000	0.248	0.000	0.375	
Replicate Prob(F)							0.7747	1.0000	0.7847	1.0000	0.6965	
Treatment F							120.827	0.000	14.850	0.000	1.209	
Treatment Prob(F)							0.0001	1.0000	0.0001	1.0000	0.3815	

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)  
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Description							Common ragweed	waterhemp	waterhemp	Soybean	Soybean	
Rating Date							08-20-2011	07-19-2011	08-20-2011	10-04-2011	10-04-2011	
Rating Type							Control	Control	Control	Moisture	Yield@13.0%	
Rating Unit							Percent	Percent	Percent	%	bu/A	
Days After First/Last Applic.							80 26	48 48	80 26	125 71	125 71	
Trt-Eval Interval												
Plant-Eval Interval							74 DP-1	42 DP-1	74 DP-1	119 DP-1	119 DP-1	
Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate Rate	Growth Stage	Appl Code					
1	Roundup PowerMAX AMS	5.5 lb/gal	SL	SL	22 oz/a	Burndown A	A	99.0 a	0.0 b	99.0 a	9.977 a	36.683 a
	Roundup PowerMAX AMS	21 %	SG	SG	17 lb/100 gal	Burndown A	A					
	Roundup PowerMAX AMS	5.5 lb/gal	SL	SL	22 oz/a	POST	B					
	Roundup PowerMAX AMS	21 %	SG	SG	17 lb/100 gal	POST	B					
2	Zidua	85 %	WG	WG	2 oz/a	Burndown A	A	99.0 a	97.0 a	99.0 a	10.197 a	35.317 a
	Sharpen	2.85 lb/gal	SC	SC	1 oz/a	Burndown A	A					
	Roundup PowerMAX	5.5 lb/gal	SL	SL	22 oz/a	Burndown A	A					
	MSO	100 %	L	L	1 % v/v	Burndown A	A					
	AMS	21 %	SG	SG	17 lb/100 gal	Burndown A	A					
	Roundup PowerMAX	5.5 lb/gal	SL	SL	22 oz/a	POST	B					
	AMS	21 %	SG	SG	17 lb/100 gal	POST	B					
3	Zidua	85 %	WG	WG	2.5 oz/a	Burndown A	A	99.0 a	99.0 a	99.0 a	9.973 a	36.320 a
	Sharpen	2.85 lb/gal	SC	SC	1 oz/a	Burndown A	A					
	Roundup PowerMAX	5.5 lb/gal	SL	SL	22 oz/a	Burndown A	A					
	MSO	100 %	L	L	1 % v/v	Burndown A	A					
	AMS	21 %	SG	SG	17 lb/100 gal	Burndown A	A					
	Roundup PowerMAX	5.5 lb/gal	SL	SL	22 oz/a	POST	B					
	AMS	21 %	SG	SG	17 lb/100 gal	POST	B					
4	Zidua	85 %	WG	WG	1.5 oz/a	Burndown A	A	99.0 a	99.0 a	99.0 a	9.560 a	37.030 a
	Valor	51 %	WG	WG	2 oz/a	Burndown A	A					
	Roundup PowerMAX	5.5 lb/gal	SL	SL	22 oz/a	Burndown A	A					
	2,4-D LV ester	4 lb/gal	EC	EC	8 oz/a	Burndown A	A					
	AMS	21 %	SG	SG	17 lb/100 gal	Burndown A	A					
	Roundup PowerMAX	5.5 lb/gal	SL	SL	22 oz/a	POST	B					
	AMS	21 %	SG	SG	17 lb/100 gal	POST	B					
5	Zidua	85 %	WG	WG	2 oz/a	Burndown A	A	99.0 a	99.0 a	99.0 a	9.597 a	38.830 a
	Verdict	5.57 lb/gal	EC	EC	5 oz/a	Burndown A	A					
	Roundup PowerMAX	5.5 lb/gal	SL	SL	22 oz/a	Burndown A	A					
	MSO	100 %	L	L	1 % v/v	Burndown A	A					
	AMS	21 %	SG	SG	17 lb/100 gal	Burndown A	A					
	Roundup PowerMAX	5.5 lb/gal	SL	SL	22 oz/a	POST	B					
	AMS	21 %	SG	SG	17 lb/100 gal	POST	B					
6	Valor	51 %	WG	WG	2 oz/a	Burndown A	A	99.0 a	98.7 a	99.0 a	9.613 a	37.057 a
	Roundup PowerMAX	5.5 lb/gal	SL	SL	22 oz/a	Burndown A	A					
	2,4-D LV ester	4 lb/gal	EC	EC	8 oz/a	Burndown A	A					
	AMS	21 %	SG	SG	17 lb/100 gal	Burndown A	A					
	Roundup PowerMAX	5.5 lb/gal	SL	SL	22 oz/a	POST	B					
	AMS	21 %	SG	SG	17 lb/100 gal	POST	B					
7	Authority Assist	4 lb/gal	L	L	5 oz/a	Burndown A	A	99.0 a	96.7 a	99.0 a	9.740 a	35.803 a
	Roundup PowerMAX	5.5 lb/gal	SL	SL	22 oz/a	Burndown A	A					
	2,4-D LV ester	4 lb/gal	EC	EC	8 oz/a	Burndown A	A					
	AMS	21 %	SG	SG	17 lb/100 gal	Burndown A	A					
	Roundup PowerMAX	5.5 lb/gal	SL	SL	22 oz/a	POST	B					
	AMS	21 %	SG	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							Common ragweed	waterhemp	waterhemp	Soybean	Soybean	
Rating Date							08-20-2011	07-19-2011	08-20-2011	10-04-2011	10-04-2011	
Rating Type							Control	Control	Control	Moisture	Yield@13.0%	
Rating Unit							Percent	Percent	Percent	%	bu/A	
Days After First/Last Applic.							80 26	48 48	80 26	125 71	125 71	
Trt-Eval Interval												
Plant-Eval Interval							74 DP-1	42 DP-1	74 DP-1	119 DP-1	119 DP-1	
Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate Rate Unit	Growth Stage	Appl Code					
8	Zidua	85 %	WG		2.5 oz/a	Burndown A		99.0 a	99.0 a	99.0 a	9.640 a	37.653 a
	Sharpen	2.85 lb/gal	SC		1 oz/a	Burndown A						
	Roundup PowerMAX	5.5 lb/gal	SL		22 oz/a	Burndown A						
	MSO	100 %	L		1 % v/v	Burndown A						
	AMS	21 %	SG		17 lb/100 gal	Burndown A						
	Roundup PowerMAX	5.5 lb/gal	SL		22 oz/a	POST B						
	AMS	21 %	SG		17 lb/100 gal	POST B						
	Priaxor	4.17 lb/gal	SC		4 oz/a	R3 C						
	NIS	100 %	L		0.25 % v/v	R3 C						
9	Zidua	85 %	WG		1.5 oz/a	Burndown A		99.0 a	99.0 a	99.0 a	9.500 a	37.167 a
	Verdict	5.57 lb/gal	EC		5 oz/a	Burndown A						
	Roundup PowerMAX	5.5 lb/gal	SL		22 oz/a	Burndown A						
	MSO	100 %	L		1 % v/v	Burndown A						
	AMS	21 %	SG		17 lb/100 gal	Burndown A						
	Roundup PowerMAX	5.5 lb/gal	SL		22 oz/a	POST B						
	AMS	21 %	SG		17 lb/100 gal	POST B						
LSD (P=.05)							0.00	2.91	0.00	1.1671	4.5639	
Standard Deviation							0.00	1.64	0.00	0.6742	2.6366	
CV							0.0	1.87	0.0	6.91	7.15	
Grand Mean							99.0	87.48	99.0	9.76	36.87	
Replicate F							0.000	1.714	0.000	0.809	0.409	
Replicate Prob(F)							1.0000	0.2214	1.0000	0.4629	0.6710	
Treatment F							0.000	1206.107	0.000	0.374	0.458	
Treatment Prob(F)							1.0000	0.0001	1.0000	0.9193	0.8678	

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.