

SOIL INFORMATION**TRIAL INFORMATION**

TEXTURE: SIL
 PH: 6.6
 %OM: 4.7
 PREV.CROP: ZEAMD - CORN, DENT
 %RESIDUE: 0
 PLOT WIDTH: 7.5 X 30 FEET
 PLOT AREA: 225 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQMIX	
APPLICATION DATE	07/07/09	AME
AIR TEMPERATURE	84	F
% REL.HUMIDITY	43	
WIND DIRECTION	NORTH	
WIND SPEED	2.0	M/H
CLOUD COVER	PARTCLDY	
DEW	NO	
SOIL MOISTURE	DRY/MOIST	
SOIL CONDITION	---	
METHOD	SPRAY	
EQUIPMENT	SPRBAC	
PROPELLANT	COMCO2	
PLACEMENT	BRFOSO	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SCREEN SIZE		
SCREEN SZ DESC	NA	
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
SPRAY VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
INC. DATE		AME
INC. START		24H
INC. END		24H
INC. DEPTH		IN
INC. EQUIPMENT	---	
	DN/SG/MMZ	
*** CROP ***		
SOYBEAN	---/17	
05/30/2009	14.0/14.0	IN
*** PEST ***		
WATERHEMP, COMMO	---/19	
	6.00/12.0	IN
MORNINGGLORY, TA	---/19	
	4.00/10.0	IN
FOXTAIL, GIANT	---/19	
	6.00/15.0	IN
COCKLEBUR, COMMO	---/19	
	6.00/16.0	IN

*** TIMING CODES**

12 = ----- / POST

*** STAGE CODE**

17 = 7TH LEAF (5TH TRIFOLIATE LEAF) UNFOLDED, 6 NODES
 19 = 9 OR MORE LEAVES UNFOLDED
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Glyphosate and AMS Replacements for Weed Control in RR Soybean. AS-100
CREATED: 05/01/2009 **REVISED:** 09/22/2009 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Urbana **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG
PLOT AREA: 225.00 SFT

REPS: 03

TRT	TREATMENT	DOSAGE		GLXMA	SETFA	AMATA	XANST	PHBPU	GLXMA
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				07/18/09	07/18/09	07/18/09	07/18/09	07/18/09	07/28/09
1A»	RNDUP POWERMAX	0.38	LAA 12	0	84	78	92	47	0
2A»	RNDUP POWERMAX	0.38	LAA 12	0	91	88	96	57	0
B»	N-PAK AMS	2.50	PMV 12						
3A»	RNDUP POWERMAX	0.38	LAA 12	0	91	90	97	60	0
B»	ALLIANCE	1.25	PMV 12						
4A»	RNDUP POWERMAX	0.38	LAA 12	0	90	87	94	55	0
B»	AG 08014	1.00	PMV 12						
5A»	RNDUP POWERMAX	0.38	LAA 12	0	91	89	95	58	0
B»	AG 08015	1.00	PMV 12						
6A»	RNDUP POWERMAX	0.38	LAA 12	0	94	90	96	55	0
B»	AG 08031	1.00	PMV 12						
7A»	RNDUP POWERMAX	0.38	LAA 12	0	96	93	99	67	0
B»	AG 08034	1.00	PMV 12						
8A»	RNDUP POWERMAX	0.38	LAA 12	0	85	80	92	50	0
B»	AG 07090	1.25	PMV 12						
9A»	RNDUP POWERMAX	0.38	LAA 12	0	92	85	96	62	0
B»	AG 03019	0.50	PMV 12						
10A»	RNDUP POWERMAX	0.38	LAA 12	0	90	87	96	62	0
B»	AG 07043	1.00	PMV 12						
11A»	RNDUP POWERMAX	0.77	LAA 12	0	98	96	99	73	0
B»	N-PAK AMS	2.50	PMV 12						
12A»	RNDUP POWERMAX	0.77	LAA 12	0	98	96	99	73	0
B»	ALLIANCE	1.25	PMV 12						
LSD (0.05)				0.00	3.36	4.88	2.06	5.79	0.00
STANDARD DEVIATION				0.00	1.62	2.35	1.00	2.79	0.00

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PLOT AREA: 225.00 SFT

REPS: 03

TRT	TREATMENT	DOSAGE		SETFA	AMATA	XANST	PHBPU	GLXMA	SETFA
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %	CON %
					07/28/09	07/28/09	07/28/09	07/28/09	08/21/09
	1A»RNDUP POWERMAX	0.38	LAA	12	97	89	97	57	0
	2A»RNDUP POWERMAX	0.38	LAA	12	98	93	98	77	0
	B»N-PAK AMS	2.50	PMV	12					98
	3A»RNDUP POWERMAX	0.38	LAA	12	98	94	99	79	0
	B»ALLIANCE	1.25	PMV	12					99
	4A»RNDUP POWERMAX	0.38	LAA	12	97	92	99	72	0
	B»AG 08014	1.00	PMV	12					96
	5A»RNDUP POWERMAX	0.38	LAA	12	97	92	99	72	0
	B»AG 08015	1.00	PMV	12					97
	6A»RNDUP POWERMAX	0.38	LAA	12	99	94	99	80	0
	B»AG 08031	1.00	PMV	12					96
	7A»RNDUP POWERMAX	0.38	LAA	12	99	94	99	78	0
	B»AG 08034	1.00	PMV	12					99
	8A»RNDUP POWERMAX	0.38	LAA	12	96	86	96	65	0
	B»AG 07090	1.25	PMV	12					95
	9A»RNDUP POWERMAX	0.38	LAA	12	99	94	99	82	0
	B»AG 03019	0.50	PMV	12					99
	10A»RNDUP POWERMAX	0.38	LAA	12	97	88	98	67	0
	B»AG 07043	1.00	PMV	12					96
	11A»RNDUP POWERMAX	0.77	LAA	12	99	97	99	88	0
	B»N-PAK AMS	2.50	PMV	12					99
	12A»RNDUP POWERMAX	0.77	LAA	12	99	96	99	90	0
	B»ALLIANCE	1.25	PMV	12					99
		LSD (0.05)			1.62	5.46	1.90	11.18	0.00
		STANDARD DEVIATION			0.782	2.63	0.918	5.39	0.00
									2.25
									1.08

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 PLOT AREA: 225.00 SFT

REPS: 03

TRT TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	TM	AMATA CON % 08/21/09	XANST CON % 08/21/09	PHBPU CON % 08/21/09
1A»RNDUP POWERMAX	0.38	LAA	12	88	97	52
2A»RNDUP POWERMAX	0.38	LAA	12	92	98	73
B»N-PAK AMS	2.50	PMV	12			
3A»RNDUP POWERMAX	0.38	LAA	12	93	99	75
B»ALLIANCE	1.25	PMV	12			
4A»RNDUP POWERMAX	0.38	LAA	12	89	99	67
B»AG 08014	1.00	PMV	12			
5A»RNDUP POWERMAX	0.38	LAA	12	91	99	65
B»AG 08015	1.00	PMV	12			
6A»RNDUP POWERMAX	0.38	LAA	12	89	99	67
B»AG 08031	1.00	PMV	12			
7A»RNDUP POWERMAX	0.38	LAA	12	92	99	70
B»AG 08034	1.00	PMV	12			
8A»RNDUP POWERMAX	0.38	LAA	12	81	94	55
B»AG 07090	1.25	PMV	12			
9A»RNDUP POWERMAX	0.38	LAA	12	93	99	75
B»AG 03019	0.50	PMV	12			
10A»RNDUP POWERMAX	0.38	LAA	12	85	98	58
B»AG 07043	1.00	PMV	12			
11A»RNDUP POWERMAX	0.77	LAA	12	95	99	82
B»N-PAK AMS	2.50	PMV	12			
12A»RNDUP POWERMAX	0.77	LAA	12	96	99	86
B»ALLIANCE	1.25	PMV	12			
LSD (0.05)				7.00	2.68	11.72
STANDARD DEVIATION				3.37	1.29	5.65

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

12 = ----- / POST 07/07/2009(1)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	GLXMA	CON %	07/18/2009	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	07/18/2009	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMATA	CON %	07/18/2009	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	XANST	CON %	07/18/2009	04	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	PHBPU	CON %	07/18/2009	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	GLXMA	CON %	07/28/2009	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	07/28/2009	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMATA	CON %	07/28/2009	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	XANST	CON %	07/28/2009	04	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	PHBPU	CON %	07/28/2009	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	GLXMA	CON %	08/21/2009	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	SETFA	CON %	08/21/2009	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	AMATA	CON %	08/21/2009	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	XANST	CON %	08/21/2009	04	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	PHBPU	CON %	08/21/2009	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N