

SOIL INFORMATION

TEXTURE: SIL
 PH: 6.6
 %OM: 4.7
 PREV.CROP: GLXMA - SOYBEAN
 %RESIDUE: 0
 PLOT WIDTH: 7.5 X 30 FEET
 PLOT AREA: 225 FEET

TRIAL INFORMATION

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQMIX	
APPLICATION DATE	06/12/13	AME
AIR TEMPERATURE	86	F
% REL.HUMIDITY	51	
WIND DIRECTION	WEST	
WIND SPEED	6.0	M/H
CLOUD COVER	PARTCLDY	
DEW	NO	
SOIL MOISTURE	DRY/MOIST	
SOIL CONDITION	---	
METHOD	SPRAY	
EQUIPMENT	BACKPACK/	
PROPELLANT	COMPRESSE	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE DESCRIPTION		
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	---	
FOLIAGE HEIGHT		FT
FOLIAGE WIDTH		FT
ROW WIDTH		FT
SPRAY VOL LWA/TRV		
S VOL LWA/TRV UNIT		
LEAF WALL AREA		M2H
TREE ROW VOLUME		M3H
SPECIE AND STAGE	DEN / STG MIN / MAX	
CROP *		
P, CORN, DENT	---/15	
NK-74R RR/LL	12.0/12.0	IN
(PLANTED) 05/15/2013	28 DAP	
PEST *		
P, VELVETLEAF	---/14 2.00/4.00	IN
P, WATERHEMP, COMMO	---/19 1.00/5.00	IN
P, LAMBSQUARTERS, C	---/19 1.00/5.00	IN
P, MORNINGGLORY, TA	---/15 1.00/4.00	IN
P, FOXTAIL, GIANT	---/15 1.00/7.00	IN
P, COCKLEBUR, COMMO	---/16 2.00/10.0	IN

*** TIMING CODES**

12 = ----- / POST

*** STAGE CODE**

14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5 LEAVES UNFOLDED
15 = 5 LEAVES UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Glyphosate and AMS Replacement Adjuvant Comparison in RR/LL Corn. AS-200
CREATED: 04/24/2013 **REVISED:** 08/09/2013 **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		ZEAMD	SETFA	CHEAL	AMATA	ABUTH	PHBPU
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				06/22/13	06/22/13	06/22/13	06/22/13	06/22/13	06/22/13
1A	TOUCHDOWN HT	0.56	LAA 12	0	95	53	80	72	68
2A	TOUCHDOWN HT	0.56	LAA 12	0	98	68	88	78	78
	B»N-PAK AMS	2.50	PMV 12						
3A	TOUCHDOWN HT	0.56	LAA 12	0	99	98	98	93	86
	B»CLASS ACT NG	2.50	PMV 12						
4A	TOUCHDOWN HT	0.56	LAA 12	0	99	99	99	96	93
	B»CLASS ACT NG	1.25	PMV 12						
5A	TOUCHDOWN HT	0.56	LAA 12	0	99	99	98	96	90
	B»AG 08034	2.00	PMV 12						
6A	TOUCHDOWN HT	0.56	LAA 12	0	99	98	99	94	86
	B»AG 08034	1.00	PMV 12						
7A	TOUCHDOWN HT	0.56	LAA 12	0	98	97	97	91	85
	B»AG 07043	1.00	PMV 12						
8A	TOUCHDOWN HT	0.56	LAA 12	0	99	95	96	93	86
	B»AG 11011	1.00	PMV 12						
9A	TOUCHDOWN HT	0.56	LAA 12	0	99	99	99	95	89
	B»AG 11011	1.25	PMV 12						
10A	TOUCHDOWN HT	0.56	LAA 12	0	99	99	99	95	90
	B»AG 13061	2.00	PMV 12						
11A	TOUCHDOWN HT	0.56	LAA 12	0	99	99	99	93	84
	B»AG 13063	2.00	PMV 12						
12A	TOUCHDOWN TTL	0.56	LAA 12	0	99	95	98	90	82
	B»N-PAK AMS	2.50	PMV 12						
LSD (0.05)				0.00	1.24	7.68	6.56	3.70	7.30
STANDARD DEVIATION				0.00	0.597	3.70	3.16	1.79	3.52

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REPS: 03

TRT	TREATMENT	DOSAGE		XANST	ZEAMD	SETFA	CHEAL	AMATA	ABUTH
NUM	COMPONENT	RATE	UNIT TM	CON % 06/22/13	CON % 07/12/13	CON % 07/12/13	CON % 07/12/13	CON % 07/12/13	CON % 07/12/13
1A	TOUCHDOWN HT	0.56	LAA 12	94	0	88	47	70	70
2A	TOUCHDOWN HT	0.56	LAA 12	96	0	90	57	78	75
	B»N-PAK AMS	2.50	PMV 12						
3A	TOUCHDOWN HT	0.56	LAA 12	98	0	94	89	93	95
	B»CLASS ACT NG	2.50	PMV 12						
4A	TOUCHDOWN HT	0.56	LAA 12	99	0	94	88	94	96
	B»CLASS ACT NG	1.25	PMV 12						
5A	TOUCHDOWN HT	0.56	LAA 12	99	0	94	92	93	94
	B»AG 08034	2.00	PMV 12						
6A	TOUCHDOWN HT	0.56	LAA 12	98	0	92	88	94	97
	B»AG 08034	1.00	PMV 12						
7A	TOUCHDOWN HT	0.56	LAA 12	98	0	93	83	91	93
	B»AG 07043	1.00	PMV 12						
8A	TOUCHDOWN HT	0.56	LAA 12	97	0	97	93	96	99
	B»AG 11011	1.00	PMV 12						
9A	TOUCHDOWN HT	0.56	LAA 12	98	0	92	89	94	95
	B»AG 11011	1.25	PMV 12						
10A	TOUCHDOWN HT	0.56	LAA 12	99	0	94	88	95	97
	B»AG 13061	2.00	PMV 12						
11A	TOUCHDOWN HT	0.56	LAA 12	97	0	95	88	95	98
	B»AG 13063	2.00	PMV 12						
12A	TOUCHDOWN TTL	0.56	LAA 12	97	0	95	75	89	89
	B»N-PAK AMS	2.50	PMV 12						
LSD (0.05)				1.41	0.00	4.27	6.79	4.54	6.63
STANDARD DEVIATION				0.68	0.00	2.06	3.27	2.19	3.20

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REPS: 03

TRT	TREATMENT	DOSAGE	PHBPU	XANST
NUM	COMPONENT	RATE	CON %	CON %
		UNIT	TM	07/12/13
1A	TOUCHDOWN HT	0.56	LAA 12	37
2A	TOUCHDOWN HT	0.56	LAA 12	52
	B»N-PAK AMS	2.50	PMV 12	82
3A	TOUCHDOWN HT	0.56	LAA 12	60
	B»CLASS ACT NG	2.50	PMV 12	89
4A	TOUCHDOWN HT	0.56	LAA 12	70
	B»CLASS ACT NG	1.25	PMV 12	87
5A	TOUCHDOWN HT	0.56	LAA 12	72
	B»AG 08034	2.00	PMV 12	88
6A	TOUCHDOWN HT	0.56	LAA 12	70
	B»AG 08034	1.00	PMV 12	90
7A	TOUCHDOWN HT	0.56	LAA 12	62
	B»AG 07043	1.00	PMV 12	84
8A	TOUCHDOWN HT	0.56	LAA 12	73
	B»AG 11011	1.00	PMV 12	96
9A	TOUCHDOWN HT	0.56	LAA 12	63
	B»AG 11011	1.25	PMV 12	90
10A	TOUCHDOWN HT	0.56	LAA 12	70
	B»AG 13061	2.00	PMV 12	92
11A	TOUCHDOWN HT	0.56	LAA 12	65
	B»AG 13063	2.00	PMV 12	91
12A	TOUCHDOWN TTL	0.56	LAA 12	60
	B»N-PAK AMS	2.50	PMV 12	88
LSD (0.05)			13.40	7.00
STANDARD DEVIATION			6.46	3.37

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

12 = ----- / POST 06/12/2013(1)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	ZEAMD	CON %	06/22/2013	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/22/2013	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	06/22/2013	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	06/22/2013	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	06/22/2013	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	06/22/2013	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	XANST	CON %	06/22/2013	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ZEAMD	CON %	07/12/2013	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	SETFA	CON %	07/12/2013	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	07/12/2013	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	AMATA	CON %	07/12/2013	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	ABUTH	CON %	07/12/2013	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	PHBPU	CON %	07/12/2013	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	XANST	CON %	07/12/2013	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - VARIETY/SPECIE INFO (IF APPLICABLE)

01 = NK-74R RR/LL