

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	06/14/13	AME
AIR TEMPERATURE	70	F
% REL.HUMIDITY	43	
WIND DIRECTION	NORTH	
WIND SPEED	5.0	M/H
CLOUD COVER	CLEAR	
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	15.0/15.0	IN
(PLANTED) 05/15/2013	30 DAP	
PEST *		
P, VELVETLEAF	---/14 2.00/4.00	IN
P, WATERHEMP, COMMO	---/19 2.00/8.00	IN
P, LAMBSQUARTERS, C	---/19 2.00/4.00	IN
P, MORNINGGLORY, TA	---/16 2.00/4.00	IN
P, FOXTAIL, GIANT	---/16 2.00/10.0	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
16 = 6 LEAVES UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Glyphosate, Sterling Blue, 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 NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	CHEAL	AMATA	ABUTH	PHBPU	
		RATE	UNIT		CON % 06/24/13	CON % 06/24/13	CON % 06/24/13	CON % 06/24/13	CON % 06/24/13	CON % 06/24/13	
1A	TOUCHDOWN HT	0.38	LAA	12	0	88	65	73	73	73	
	B»STERLING BLUE	0.19	LAA	12							
2A	TOUCHDOWN HT	0.38	LAA	12	0	91	77	77	78	83	
	B»STERLING BLUE	0.19	LAA	12							
	C»N-PAK AMS	2.50	PMV	12							
3A	TOUCHDOWN HT	0.38	LAA	12	0	99	96	94	92	91	
	B»STERLING BLUE	0.19	LAA	12							
	C»CLASS ACT NG	2.50	PMV	12							
4A	TOUCHDOWN HT	0.38	LAA	12	0	99	95	91	90	86	
	B»STERLING BLUE	0.19	LAA	12							
	C»CLASS ACT NG	1.25	PMV	12							
5A	TOUCHDOWN HT	0.38	LAA	12	0	99	97	94	92	91	
	B»STERLING BLUE	0.19	LAA	12							
	C»AG 08034	2.00	PMV	12							
6A	TOUCHDOWN HT	0.38	LAA	12	0	99	95	91	90	88	
	B»STERLING BLUE	0.19	LAA	12							
	C»AG 08034	1.00	PMV	12							
7A	TOUCHDOWN HT	0.38	LAA	12	0	98	96	94	92	92	
	B»STERLING BLUE	0.19	LAA	12							
	C»AG 07043	1.00	PMV	12							
8A	TOUCHDOWN HT	0.38	LAA	12	0	99	97	95	94	94	
	B»STERLING BLUE	0.19	LAA	12							
	C»AG 11011	1.00	PMV	12							
9A	TOUCHDOWN HT	0.38	LAA	12	0	99	96	96	93	92	
	B»STERLING BLUE	0.19	LAA	12							
	C»AG 11011	1.25	PMV	12							
10A	TOUCHDOWN HT	0.38	LAA	12	0	99	97	96	95	94	
	B»STERLING BLUE	0.19	LAA	12							
	C»AG 13061	2.00	PMV	12							
11A	TOUCHDOWN HT	0.38	LAA	12	0	99	97	96	94	93	
	B»STERLING BLUE	0.19	LAA	12							
	C»AG 13063	2.00	PMV	12							
12A	TOUCHDOWN HT	0.38	LAA	12	0	99	78	81	76	62	
	B»N-PAK AMS	2.50	PMV	12							
					LSD (0.05)	0.00	2.10	5.10	6.35	6.00	5.30
					STANDARD DEVIATION	0.00	1.00	2.46	3.06	2.88	2.56

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REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	XANST	ZEAMD	SETFA	CHEAL	AMATA	ABUTH
		RATE	UNIT		CON % 06/24/13	CON % 07/13/13	CON % 07/13/13	CON % 07/13/13	CON % 07/13/13	CON % 07/13/13
1A	TOUCHDOWN HT	0.38	LAA	12	90	0	89	72	78	90
	B»STERLING BLUE	0.19	LAA	12						
2A	TOUCHDOWN HT	0.38	LAA	12	95	0	92	80	88	93
	B»STERLING BLUE	0.19	LAA	12						
	C»N-PAK AMS	2.50	PMV	12						
3A	TOUCHDOWN HT	0.38	LAA	12	98	0	95	97	93	98
	B»STERLING BLUE	0.19	LAA	12						
	C»CLASS ACT NG	2.50	PMV	12						
4A	TOUCHDOWN HT	0.38	LAA	12	96	0	95	98	98	99
	B»STERLING BLUE	0.19	LAA	12						
	C»CLASS ACT NG	1.25	PMV	12						
5A	TOUCHDOWN HT	0.38	LAA	12	98	0	95	98	98	99
	B»STERLING BLUE	0.19	LAA	12						
	C»AG 08034	2.00	PMV	12						
6A	TOUCHDOWN HT	0.38	LAA	12	97	0	93	99	97	99
	B»STERLING BLUE	0.19	LAA	12						
	C»AG 08034	1.00	PMV	12						
7A	TOUCHDOWN HT	0.38	LAA	12	98	0	93	99	97	99
	B»STERLING BLUE	0.19	LAA	12						
	C»AG 07043	1.00	PMV	12						
8A	TOUCHDOWN HT	0.38	LAA	12	99	0	93	99	96	99
	B»STERLING BLUE	0.19	LAA	12						
	C»AG 11011	1.00	PMV	12						
9A	TOUCHDOWN HT	0.38	LAA	12	99	0	93	99	98	99
	B»STERLING BLUE	0.19	LAA	12						
	C»AG 11011	1.25	PMV	12						
10A	TOUCHDOWN HT	0.38	LAA	12	99	0	94	99	98	99
	B»STERLING BLUE	0.19	LAA	12						
	C»AG 13061	2.00	PMV	12						
11A	TOUCHDOWN HT	0.38	LAA	12	99	0	95	99	97	99
	B»STERLING BLUE	0.19	LAA	12						
	C»AG 13063	2.00	PMV	12						
12A	TOUCHDOWN HT	0.38	LAA	12	93	0	93	62	65	78
	B»N-PAK AMS	2.50	PMV	12						
					LSD (0.05)					
					STANDARD DEVIATION					

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PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG

PLOT AREA: 225.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	PHBPU CON % 07/13/13	XANST CON % 07/13/13
		RATE	UNIT			
1A	TOUCHDOWN HT	0.38	LAA 12		82	93
	B»STERLING BLUE	0.19	LAA 12			
2A	TOUCHDOWN HT	0.38	LAA 12		87	95
	B»STERLING BLUE	0.19	LAA 12			
	C»N-PAK AMS	2.50	PMV 12			
3A	TOUCHDOWN HT	0.38	LAA 12		91	97
	B»STERLING BLUE	0.19	LAA 12			
	C»CLASS ACT NG	2.50	PMV 12			
4A	TOUCHDOWN HT	0.38	LAA 12		90	99
	B»STERLING BLUE	0.19	LAA 12			
	C»CLASS ACT NG	1.25	PMV 12			
5A	TOUCHDOWN HT	0.38	LAA 12		93	99
	B»STERLING BLUE	0.19	LAA 12			
	C»AG 08034	2.00	PMV 12			
6A	TOUCHDOWN HT	0.38	LAA 12		90	97
	B»STERLING BLUE	0.19	LAA 12			
	C»AG 08034	1.00	PMV 12			
7A	TOUCHDOWN HT	0.38	LAA 12		93	98
	B»STERLING BLUE	0.19	LAA 12			
	C»AG 07043	1.00	PMV 12			
8A	TOUCHDOWN HT	0.38	LAA 12		94	98
	B»STERLING BLUE	0.19	LAA 12			
	C»AG 11011	1.00	PMV 12			
9A	TOUCHDOWN HT	0.38	LAA 12		92	98
	B»STERLING BLUE	0.19	LAA 12			
	C»AG 11011	1.25	PMV 12			
10A	TOUCHDOWN HT	0.38	LAA 12		95	99
	B»STERLING BLUE	0.19	LAA 12			
	C»AG 13061	2.00	PMV 12			
11A	TOUCHDOWN HT	0.38	LAA 12		94	99
	B»STERLING BLUE	0.19	LAA 12			
	C»AG 13063	2.00	PMV 12			
12A	TOUCHDOWN HT	0.38	LAA 12		57	85
	B»N-PAK AMS	2.50	PMV 12			
		LSD (0.05)			6.27	3.10
		STANDARD DEVIATION			3.00	1.49

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

12 = ----- / POST 06/14/2013(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 %	06/24/2013	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/24/2013	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	06/24/2013	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	06/24/2013	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	06/24/2013	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	06/24/2013	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	XANST	CON %	06/24/2013	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR1	SS	NOTE
008	ZEAMD	CON %	07/13/2013	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	SETFA	CON %	07/13/2013	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	07/13/2013	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	AMATA	CON %	07/13/2013	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	ABUTH	CON %	07/13/2013	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	PHEPU	CON %	07/13/2013	06	P	PHEPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	XANST	CON %	07/13/2013	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