

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX  
 PH: 6.1  
 %OM: 5.5  
 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	11	
TYPE	LIQMIX	
APPLICATION DATE	07/11/14	AME
AIR TEMPERATURE	83	F
% REL.HUMIDITY	48	
WIND DIRECTION	SOUTH	
WIND SPEED	3.0	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	10.00	
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, SOYBEAN	---/16	
A 3231RR	8.00/8.00	IN
(PLANTED) 06/15/2014	26 DAP	
PEST *		
P, WATERHEMP, COMMO	---/18 1.00/3.00	IN
P, MORNINGGLORY, TA	---/12 1.00/3.00	IN
P, FOXTAIL, GIANT	---/15 2.00/6.00	IN
P, COCKLEBUR, COMMO	---/15 2.00/8.00	IN

\* TIMING CODES

11 = ----- / EPOST

\* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

15 = 5 LEAVES UNFOLDED

15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

\* STAGE CODE

16 = 6TH LEAF (4TH TRIFOLIATE LEAF) UNFOLDED, 5 NODES  
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** TTI, TwinJet and XR Nozzle Performance with Glyphosate / Water Conditioners in RR Soybean. AS-400

**CREATED:** 05/11/2014 **REVISED:** 08/27/2014

**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	GLXMA	SETFA	AMATA	PHBPU	XANST	GLXMA
		RATE	UNIT		CON % 07/18/14	CON % 07/18/14	CON % 07/18/14	CON % 07/18/14	CON % 07/18/14	CON % 07/25/14
1A	RNDUP POWERMAX	1.125	LAA	11	0	99	99	80	93	0
B	LIQUID AMS	5.00	PMV	11						
C	FLAT FAN TIP	0.00	NA	11						
D	10 GPA	0.00	NA	11						
2A	RNDUP POWERMAX	1.125	LAA	11	0	99	99	83	95	0
B	MON-10	5.00	PMV	11						
C	FLAT FAN TIP	0.00	NA	11						
D	10 GPA	0.00	NA	11						
3A	RNDUP POWERMAX	1.125	LAA	11	0	99	99	84	94	0
B	LIQUID AMS	5.00	PMV	11						
C	FLAT FAN TIP	0.00	NA	11						
D	15 GPA	0.00	NA	11						
4A	RNDUP POWERMAX	1.125	LAA	11	0	99	99	89	95	0
B	MON-10	5.00	PMV	11						
C	FLAT FAN TIP	0.00	NA	11						
D	15 GPA	0.00	NA	11						
5A	RNDUP POWERMAX	1.125	LAA	11	0	99	99	86	95	0
B	LIQUID AMS	5.00	PMV	11						
C	TWINJET 60 TIP	0.00	NA	11						
D	10 GPA	0.00	NA	11						
6A	RNDUP POWERMAX	1.125	LAA	11	0	99	99	85	96	0
B	MON-10	5.00	PMV	11						
C	TWINJET 60 TIP	0.00	NA	11						
D	10 GPA	0.00	NA	11						
7A	RNDUP POWERMAX	1.125	LAA	11	0	99	99	84	94	0
B	LIQUID AMS	5.00	PMV	11						
C	TWINJET 60 TIP	0.00	NA	11						
D	15 GPA	0.00	NA	11						
8A	RNDUP POWERMAX	1.125	LAA	11	0	99	99	81	93	0
B	MON-10	5.00	PMV	11						
C	TWINJET 60 TIP	0.00	NA	11						
D	15 GPA	0.00	NA	11						
9A	RNDUP POWERMAX	1.125	LAA	11	0	99	99	86	95	0
B	LIQUID AMS	5.00	PMV	11						
C	TTI TIP	0.00	NA	11						
D	10 GPA	0.00	NA	11						
10A	RNDUP POWERMAX	1.125	LAA	11	0	99	99	86	96	0
B	MON-10	5.00	PMV	11						
C	TTI TIP	0.00	NA	11						
D	10 GPA	0.00	NA	11						
11A	RNDUP POWERMAX	1.125	LAA	11	0	99	99	80	95	0
B	LIQUID AMS	5.00	PMV	11						
C	TTI TIP	0.00	NA	11						
D	15 GPA	0.00	NA	11						
12A	RNDUP POWERMAX	1.125	LAA	11	0	99	99	83	95	0
B	MON-10	5.00	PMV	11						
C	TTI TIP	0.00	NA	11						
D	15 GPA	0.00	NA	11						
LSD (0.05)					0.00	0.00	0.00	7.53	3.82	0.00
STANDARD DEVIATION					0.00	0.00	0.00	3.63	1.84	0.00

**TITLE:** TTI, TwinJet and XR Nozzle Performance with Glyphosate / Water Conditioners in RR Soybean. AS-400

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**PLOT AREA:** 225.00 SFT

**REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	SETFA	AMATA	PHBPU	XANST	GLXMA	SETFA
		RATE	UNIT		CON % 07/25/14	CON % 07/25/14	CON % 07/25/14	CON % 07/25/14	CON % 08/06/14	CON % 08/06/14
1A	RNDUP POWERMAX	1.125	LAA	11	99	96	88	99	0	97
B	LIQUID AMS	5.00	PMV	11						
C	FLAT FAN TIP	0.00	NA	11						
D	10 GPA	0.00	NA	11						
2A	RNDUP POWERMAX	1.125	LAA	11	99	98	90	99	0	97
B	MON-10	5.00	PMV	11						
C	FLAT FAN TIP	0.00	NA	11						
D	10 GPA	0.00	NA	11						
3A	RNDUP POWERMAX	1.125	LAA	11	99	99	92	99	0	97
B	LIQUID AMS	5.00	PMV	11						
C	FLAT FAN TIP	0.00	NA	11						
D	15 GPA	0.00	NA	11						
4A	RNDUP POWERMAX	1.125	LAA	11	99	99	94	99	0	96
B	MON-10	5.00	PMV	11						
C	FLAT FAN TIP	0.00	NA	11						
D	15 GPA	0.00	NA	11						
5A	RNDUP POWERMAX	1.125	LAA	11	99	99	95	99	0	98
B	LIQUID AMS	5.00	PMV	11						
C	TWINJET 60 TIP	0.00	NA	11						
D	10 GPA	0.00	NA	11						
6A	RNDUP POWERMAX	1.125	LAA	11	99	98	93	99	0	97
B	MON-10	5.00	PMV	11						
C	TWINJET 60 TIP	0.00	NA	11						
D	10 GPA	0.00	NA	11						
7A	RNDUP POWERMAX	1.125	LAA	11	99	98	94	99	0	98
B	LIQUID AMS	5.00	PMV	11						
C	TWINJET 60 TIP	0.00	NA	11						
D	15 GPA	0.00	NA	11						
8A	RNDUP POWERMAX	1.125	LAA	11	99	99	93	99	0	98
B	MON-10	5.00	PMV	11						
C	TWINJET 60 TIP	0.00	NA	11						
D	15 GPA	0.00	NA	11						
9A	RNDUP POWERMAX	1.125	LAA	11	99	97	90	99	0	96
B	LIQUID AMS	5.00	PMV	11						
C	TTI TIP	0.00	NA	11						
D	10 GPA	0.00	NA	11						
10A	RNDUP POWERMAX	1.125	LAA	11	99	96	90	99	0	96
B	MON-10	5.00	PMV	11						
C	TTI TIP	0.00	NA	11						
D	10 GPA	0.00	NA	11						
11A	RNDUP POWERMAX	1.125	LAA	11	99	96	86	99	0	97
B	LIQUID AMS	5.00	PMV	11						
C	TTI TIP	0.00	NA	11						
D	15 GPA	0.00	NA	11						
12A	RNDUP POWERMAX	1.125	LAA	11	99	98	90	99	0	97
B	MON-10	5.00	PMV	11						
C	TTI TIP	0.00	NA	11						
D	15 GPA	0.00	NA	11						
LSD (0.05)					0.00	2.68	6.63	0.00	0.00	2.63
STANDARD DEVIATION					0.00	1.29	3.20	0.00	0.00	1.27

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**REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	AMATA	PHBPU	XANST
		RATE	UNIT		CON % 08/06/14	CON % 08/06/14	CON % 08/06/14
1A	RNDUP POWERMAX	1.125	LAA 11		97	94	99
B	LIQUID AMS	5.00	PMV 11				
C	FLAT FAN TIP	0.00	NA 11				
D	10 GPA	0.00	NA 11				
2A	RNDUP POWERMAX	1.125	LAA 11		98	94	99
B	MON-10	5.00	PMV 11				
C	FLAT FAN TIP	0.00	NA 11				
D	10 GPA	0.00	NA 11				
3A	RNDUP POWERMAX	1.125	LAA 11		98	95	99
B	LIQUID AMS	5.00	PMV 11				
C	FLAT FAN TIP	0.00	NA 11				
D	15 GPA	0.00	NA 11				
4A	RNDUP POWERMAX	1.125	LAA 11		98	96	99
B	MON-10	5.00	PMV 11				
C	FLAT FAN TIP	0.00	NA 11				
D	15 GPA	0.00	NA 11				
5A	RNDUP POWERMAX	1.125	LAA 11		98	96	99
B	LIQUID AMS	5.00	PMV 11				
C	TWINJET 60 TIP	0.00	NA 11				
D	10 GPA	0.00	NA 11				
6A	RNDUP POWERMAX	1.125	LAA 11		98	96	99
B	MON-10	5.00	PMV 11				
C	TWINJET 60 TIP	0.00	NA 11				
D	10 GPA	0.00	NA 11				
7A	RNDUP POWERMAX	1.125	LAA 11		97	96	99
B	LIQUID AMS	5.00	PMV 11				
C	TWINJET 60 TIP	0.00	NA 11				
D	15 GPA	0.00	NA 11				
8A	RNDUP POWERMAX	1.125	LAA 11		98	96	99
B	MON-10	5.00	PMV 11				
C	TWINJET 60 TIP	0.00	NA 11				
D	15 GPA	0.00	NA 11				
9A	RNDUP POWERMAX	1.125	LAA 11		93	94	99
B	LIQUID AMS	5.00	PMV 11				
C	TTI TIP	0.00	NA 11				
D	10 GPA	0.00	NA 11				
10A	RNDUP POWERMAX	1.125	LAA 11		92	93	99
B	MON-10	5.00	PMV 11				
C	TTI TIP	0.00	NA 11				
D	10 GPA	0.00	NA 11				
11A	RNDUP POWERMAX	1.125	LAA 11		95	90	99
B	LIQUID AMS	5.00	PMV 11				
C	TTI TIP	0.00	NA 11				
D	15 GPA	0.00	NA 11				
12A	RNDUP POWERMAX	1.125	LAA 11		97	94	99
B	MON-10	5.00	PMV 11				
C	TTI TIP	0.00	NA 11				
D	15 GPA	0.00	NA 11				
LSD (0.05)					2.72	6.41	0.00
STANDARD DEVIATION					1.31	3.09	0.00

» = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

\*\*\* CONTINUE ON NEXT PAGE

11 = ----- / EPOST  
 11 = ----- / EPOST 07/11/2014(1)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
001	GLXMA	CON %	07/18/2014	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	07/18/2014	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMATA	CON %	07/18/2014	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	PHBPU	CON %	07/18/2014	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	XANST	CON %	07/18/2014	05	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	GLXMA	CON %	07/25/2014	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	07/25/2014	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMATA	CON %	07/25/2014	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	PHBPU	CON %	07/25/2014	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	XANST	CON %	07/25/2014	05	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	GLXMA	CON %	08/06/2014	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	SETFA	CON %	08/06/2014	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	AMATA	CON %	08/06/2014	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	PHBPU	CON %	08/06/2014	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	XANST	CON %	08/06/2014	05	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = A 3231RR