

SOIL 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

TRIAL INFORMATION

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	UNIT
TIMINGS	11	
TYPE	LIQMIX	
APPLICATION DATE	07/11/14	AME
AIR TEMPERATURE	83	F
% REL.HUMIDITY	47	
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	15.00	
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	---/17 1.00/3.00	IN
P, MORNINGGLORY, TA	---/13 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

13 = 3RD 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
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: TTI, TwinJet and XR Nozzle Performance with Glyphosate Combos 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	TREATMENT	DOSAGE		GLXMA	SETFA	AMATA	PHBPU	XANST	GLXMA
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				07/18/14	07/18/14	07/18/14	07/18/14	07/18/14	07/25/14
1A»	RNDUP POWERMAX	1.125	LAA 11	0	99	96	73	95	0
B»	MON-10	5.00	PMV 11						
C»	TTI TIP	0.00	NA 0						
2A»	RNDUP POWERMAX	1.125	LAA 11	17	99	99	92	99	9
B	COBRA 2EC	0.156	LAA 11						
C»	ACTIVATOR 90	0.25	PMV 11						
D»	MON-10	5.00	PMV 11						
E»	TTI TIP	0.00	NA 0						
3A»	RNDUP POWERMAX	1.125	LAA 11	10	99	99	97	99	2
B	FLEXSTAR 1.88	0.235	LAA 11						
C»	ACTIVATOR 90	0.50	PMV 11						
D»	MON-10	5.00	PMV 11						
E»	TTI TIP	0.00	NA 0						
4A»	RNDUP POWERMAX	1.125	LAA 11	0	99	99	72	97	0
B»	WARRANT 3L	1.125	LAA 11						
C»	MON-10	5.00	PMV 11						
D»	TTI TIP	0.00	NA 0						
5A»	RNDUP POWERMAX	1.125	LAA 11	11	99	99	93	99	4
B»	WARRANT 3L	1.125	LAA 11						
C	COBRA 2EC	0.156	LAA 11						
D»	ACTIVATOR 90	0.25	PMV 11						
E»	MON-10	5.00	PMV 11						
F»	TTI TIP	0.00	NA 0						
6A»	RNDUP POWERMAX	1.125	LAA 11	0	99	99	79	98	0
B	SELECT MAX	0.046	LAA 11						
C»	MON-10	5.00	PMV 11						
D»	TTI TIP	0.00	NA 0						
7A»	RNDUP POWERMAX	1.125	LAA 11	0	99	99	81	98	0
B»	MON-10	5.00	PMV 11						
C»	TWINJET 60 TIP	0.00	NA 0						
8A»	RNDUP POWERMAX	1.125	LAA 11	16	99	99	93	99	9
B	COBRA 2EC	0.156	LAA 11						
C»	ACTIVATOR 90	0.25	PMV 11						
D»	MON-10	5.00	PMV 11						
E»	TWINJET 60 TIP	0.00	NA 0						
9A»	RNDUP POWERMAX	1.125	LAA 11	8	99	99	98	99	4
B	FLEXSTAR 1.88	0.235	LAA 11						
C»	ACTIVATOR 90	0.50	PMV 11						
D»	MON-10	5.00	PMV 11						
E»	TWINJET 60 TIP	0.00	NA 0						
10A»	RNDUP POWERMAX	1.125	LAA 11	0	99	98	79	95	3
B»	WARRANT 3L	1.125	LAA 11						
C»	MON-10	5.00	PMV 11						
D»	TWINJET 60 TIP	0.00	NA 0						
11A»	RNDUP POWERMAX	1.125	LAA 11	18	99	99	89	99	8
B»	WARRANT 3L	1.125	LAA 11						
C	COBRA 2EC	0.156	LAA 11						
D»	ACTIVATOR 90	0.25	PMV 11						
E»	MON-10	5.00	PMV 11						
F»	TWINJET 60 TIP	0.00	NA 0						
12A»	RNDUP POWERMAX	1.125	LAA 11	0	99	98	77	94	0
B	SELECT MAX	0.046	LAA 11						
C»	MON-10	5.00	PMV 11						
D»	TWINJET 60 TIP	0.00	NA 11						
13A	CHECK	0.00	NA 0	0	0	0	0	0	0

TITLE: TTI, TwinJet and XR Nozzle Performance with Glyphosate Combos in RR Soybean. AS-400

TRT	TREATMENT	DOSAGE			GLXMA	SETFA	AMATA	PHBPU	XANST	GLXMA
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %	CON %	CON %
					07/18/14	07/18/14	07/18/14	07/18/14	07/18/14	07/25/14
14A»	RNDUP POWERMAX	1.125	LAA	11	19	99	99	96	99	6
	B COBRA 2EC	0.156	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»MON-10	5.00	PMV	11						
	E»FLAT FAN TIP	0.00	NA	0						
		LSD (0.05)			2.62	0.00	1.27	5.76	2.42	2.82
		STANDARD DEVIATION			1.28	0.00	0.616	2.80	1.18	1.37

TITLE: TTI, TwinJet and XR Nozzle Performance with Glyphosate Combos 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	TREATMENT	DOSAGE	SETFA	AMATA	PHBPU	XANST	GLXMA	SETFA
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %
					07/25/14	07/25/14	07/25/14	08/06/14
1A»	RNDUP POWERMAX	1.125	LAA	11	99	96	86	99
B»	MON-10	5.00	PMV	11				0
C»	TTI TIP	0.00	NA	0				97
2A»	RNDUP POWERMAX	1.125	LAA	11	99	98	94	99
B	COBRA 2EC	0.156	LAA	11				0
C»	ACTIVATOR 90	0.25	PMV	11				94
D»	MON-10	5.00	PMV	11				
E»	TTI TIP	0.00	NA	0				
3A»	RNDUP POWERMAX	1.125	LAA	11	99	99	96	99
B	FLEXSTAR 1.88	0.235	LAA	11				0
C»	ACTIVATOR 90	0.50	PMV	11				95
D»	MON-10	5.00	PMV	11				
E»	TTI TIP	0.00	NA	0				
4A»	RNDUP POWERMAX	1.125	LAA	11	99	99	91	99
B»	WARRANT 3L	1.125	LAA	11				0
C»	MON-10	5.00	PMV	11				98
D»	TTI TIP	0.00	NA	0				
5A»	RNDUP POWERMAX	1.125	LAA	11	99	99	93	99
B»	WARRANT 3L	1.125	LAA	11				0
C	COBRA 2EC	0.156	LAA	11				98
D»	ACTIVATOR 90	0.25	PMV	11				
E»	MON-10	5.00	PMV	11				
F»	TTI TIP	0.00	NA	0				
6A»	RNDUP POWERMAX	1.125	LAA	11	99	98	89	99
B	SELECT MAX	0.046	LAA	11				0
C»	MON-10	5.00	PMV	11				96
D»	TTI TIP	0.00	NA	0				
7A»	RNDUP POWERMAX	1.125	LAA	11	99	97	95	99
B»	MON-10	5.00	PMV	11				0
C»	TWINJET 60 TIP	0.00	NA	0				97
8A»	RNDUP POWERMAX	1.125	LAA	11	99	99	95	99
B	COBRA 2EC	0.156	LAA	11				0
C»	ACTIVATOR 90	0.25	PMV	11				94
D»	MON-10	5.00	PMV	11				
E»	TWINJET 60 TIP	0.00	NA	0				
9A»	RNDUP POWERMAX	1.125	LAA	11	99	99	98	99
B	FLEXSTAR 1.88	0.235	LAA	11				0
C»	ACTIVATOR 90	0.50	PMV	11				97
D»	MON-10	5.00	PMV	11				
E»	TWINJET 60 TIP	0.00	NA	0				
10A»	RNDUP POWERMAX	1.125	LAA	11	99	98	95	99
B»	WARRANT 3L	1.125	LAA	11				0
C»	MON-10	5.00	PMV	11				99
D»	TWINJET 60 TIP	0.00	NA	0				
11A»	RNDUP POWERMAX	1.125	LAA	11	99	99	95	99
B»	WARRANT 3L	1.125	LAA	11				0
C	COBRA 2EC	0.156	LAA	11				98
D»	ACTIVATOR 90	0.25	PMV	11				
E»	MON-10	5.00	PMV	11				
F»	TWINJET 60 TIP	0.00	NA	0				
12A»	RNDUP POWERMAX	1.125	LAA	11	99	98	92	99
B	SELECT MAX	0.046	LAA	11				0
C»	MON-10	5.00	PMV	11				96
D»	TWINJET 60 TIP	0.00	NA	11				
13A	CHECK	0.00	NA	0	0	0	0	0
								0

TITLE: TTI, TwinJet and XR Nozzle Performance with Glyphosate Combos in RR Soybean. AS-400

TRT	TREATMENT	DOSAGE		SETFA	AMATA	PHBPU	XANST	GLXMA	SETFA
NUM	COMPONENT	RATE	UNIT TM	CON % 07/25/14	CON % 07/25/14	CON % 07/25/14	CON % 07/25/14	CON % 08/06/14	CON % 08/06/14
14A»	RNDUP POWERMAX	1.125	LAA 11	99	99	95	99	0	92
B	COBRA 2EC	0.156	LAA 11						
C»	ACTIVATOR 90	0.25	PMV 11						
D»	MON-10	5.00	PMV 11						
E»	FLAT FAN TIP	0.00	NA 0						
		LS D (0.05)		0.449	1.86	2.61	0.00	0.00	3.21
		STANDARD DEVIATION		0.218	0.904	1.27	0.00	0.00	1.56

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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 NUM COMPONENT	DOSAGE RATE	UNIT	TM	AMATA CON % 08/06/14	PHBPU CON % 08/06/14	XANST CON % 08/06/14
1A»RNDUP POWERMAX	1.125	LAA	11	93	90	99
B»MON-10	5.00	PMV	11			
C»TTI TIP	0.00	NA	0			
2A»RNDUP POWERMAX	1.125	LAA	11	98	92	99
B COBRA 2EC	0.156	LAA	11			
C»ACTIVATOR 90	0.25	PMV	11			
D»MON-10	5.00	PMV	11			
E»TTI TIP	0.00	NA	0			
3A»RNDUP POWERMAX	1.125	LAA	11	99	95	99
B FLEXSTAR 1.88	0.235	LAA	11			
C»ACTIVATOR 90	0.50	PMV	11			
D»MON-10	5.00	PMV	11			
E»TTI TIP	0.00	NA	0			
4A»RNDUP POWERMAX	1.125	LAA	11	99	94	99
B»WARRANT 3L	1.125	LAA	11			
C»MON-10	5.00	PMV	11			
D»TTI TIP	0.00	NA	0			
5A»RNDUP POWERMAX	1.125	LAA	11	99	92	99
B»WARRANT 3L	1.125	LAA	11			
C COBRA 2EC	0.156	LAA	11			
D»ACTIVATOR 90	0.25	PMV	11			
E»MON-10	5.00	PMV	11			
F»TTI TIP	0.00	NA	0			
6A»RNDUP POWERMAX	1.125	LAA	11	98	92	99
B SELECT MAX	0.046	LAA	11			
C»MON-10	5.00	PMV	11			
D»TTI TIP	0.00	NA	0			
7A»RNDUP POWERMAX	1.125	LAA	11	98	95	99
B»MON-10	5.00	PMV	11			
C»TWINJET 60 TIP	0.00	NA	0			
8A»RNDUP POWERMAX	1.125	LAA	11	99	93	99
B COBRA 2EC	0.156	LAA	11			
C»ACTIVATOR 90	0.25	PMV	11			
D»MON-10	5.00	PMV	11			
E»TWINJET 60 TIP	0.00	NA	0			
9A»RNDUP POWERMAX	1.125	LAA	11	99	95	99
B FLEXSTAR 1.88	0.235	LAA	11			
C»ACTIVATOR 90	0.50	PMV	11			
D»MON-10	5.00	PMV	11			
E»TWINJET 60 TIP	0.00	NA	0			
10A»RNDUP POWERMAX	1.125	LAA	11	99	96	99
B»WARRANT 3L	1.125	LAA	11			
C»MON-10	5.00	PMV	11			
D»TWINJET 60 TIP	0.00	NA	0			
11A»RNDUP POWERMAX	1.125	LAA	11	99	92	99
B»WARRANT 3L	1.125	LAA	11			
C COBRA 2EC	0.156	LAA	11			
D»ACTIVATOR 90	0.25	PMV	11			
E»MON-10	5.00	PMV	11			
F»TWINJET 60 TIP	0.00	NA	0			
12A»RNDUP POWERMAX	1.125	LAA	11	98	94	99
B SELECT MAX	0.046	LAA	11			
C»MON-10	5.00	PMV	11			
D»TWINJET 60 TIP	0.00	NA	11			
13A CHECK	0.00	NA	0	0	0	0

TITLE: TTI, TwinJet and XR Nozzle Performance with Glyphosate Combos in RR Soybean. AS-400

TRT TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	TM	AMATA CON % 08/06/14	PHBPU CON % 08/06/14	XANST CON % 08/06/14
14A»RNDUP POWERMAX	1.125	LAA	11	99	92	99
B COBRA 2EC	0.156	LAA	11			
C»ACTIVATOR 90	0.25	PMV	11			
D»MON-10	5.00	PMV	11			
E»FLAT FAN TIP	0.00	NA	0			
LSD (0.05)				3.48	4.55	0.00
STANDARD DEVIATION				1.69	2.21	0.00

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING

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	CTRT	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