

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.4
 %OM: 4.6
 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	06/23/11	AME
AIR TEMPERATURE	65	F
% REL.HUMIDITY	47	
WIND DIRECTION	WEST	
WIND SPEED	8.0	M/H
CLOUD COVER	CLOUDY	
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	---/14	
A 3431RR	5.00/5.00	IN
06/01/2011		
*** PEST ***		
WATERHEMP, COMMO	---/19	
	2.00/4.00	IN
LAMBSQUARTERS, C	---/19	
	1.00/3.00	IN
MORNINGGLORY, TA	---/18	
	3.00/5.00	IN
FOXTAIL, GIANT	---/15	
	4.00/6.00	IN

* TIMING CODES

12 = ----- / POST

* STAGE CODE

14 = 4TH LEAF (2ND TRIFOLIATE LEAF) UNFOLDED, 3 NODES
 15 = 5 LEAVES UNFOLDED
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Soybean / Weed Response to Glyphosate Tank-Mixes - No-Till. N-100
CREATED: 04/16/2011 **REVISED:** 09/06/2011 **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	GLXMA	SETFA	CHEAL	AMATA	PHBPU
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				06/27/11	07/01/11	07/01/11	07/01/11	07/01/11	07/01/11
1A»	RNDUP POWERMAX	0.77	LAA 12	0	0	99	99	99	78
B»	N-PAK AMS	2.50	PMV 12						
2A»	RNDUP POWERMAX	1.55	LAA 12	0	0	99	99	99	83
B»	N-PAK AMS	2.50	PMV 12						
3A	COBRA 2EC	0.094	LAA 12	22	23	99	99	99	98
B»	RNDUP POWERMAX	0.77	LAA 12						
C»	N-PAK AMS	2.50	PMV 12						
4A	COBRA 2EC	0.094	LAA 12	25	28	99	99	99	98
B»	RNDUP POWERMAX	1.55	LAA 12						
C»	N-PAK AMS	2.50	PMV 12						
5A	COBRA 2EC	0.188	LAA 12	33	37	99	99	99	96
B»	RNDUP POWERMAX	0.77	LAA 12						
C»	N-PAK AMS	2.50	PMV 12						
6A	COBRA 2EC	0.188	LAA 12	35	47	99	99	99	99
B»	RNDUP POWERMAX	1.55	LAA 12						
C»	N-PAK AMS	2.50	PMV 12						
7A	FLEXSTAR 1.88	0.235	LAA 12	15	20	99	99	99	99
B»	RNDUP POWERMAX	0.77	LAA 12						
C»	N-PAK AMS	2.50	PMV 12						
8A	FLEXSTAR 1.88	0.235	LAA 12	23	30	99	99	99	98
B»	RNDUP POWERMAX	1.55	LAA 12						
C»	N-PAK AMS	2.50	PMV 12						
9A	FLEXSTAR 1.88	0.313	LAA 12	23	30	99	99	99	99
B»	RNDUP POWERMAX	0.77	LAA 12						
C»	N-PAK AMS	2.50	PMV 12						
10A	FLEXSTAR 1.88	0.313	LAA 12	22	27	99	99	99	99
B»	RNDUP POWERMAX	1.55	LAA 12						
C»	N-PAK AMS	2.50	PMV 12						
11A»	CADET 0.91EC	0.0043	LAA 12	17	18	99	99	99	98
B»	RNDUP POWERMAX	0.77	LAA 12						
C»	N-PAK AMS	2.50	PMV 12						
12A»	CADET 0.91EC	0.0043	LAA 12	17	20	99	99	99	99
B»	RNDUP POWERMAX	1.55	LAA 12						
C»	N-PAK AMS	2.50	PMV 12						
13A	CHECK	0.00	NA 0	0	0	0	0	0	0
14A»	CADET 0.91EC	0.0064	LAA 12	20	30	99	99	99	98
B»	RNDUP POWERMAX	0.77	LAA 12						
C»	N-PAK AMS	2.50	PMV 12						
15A»	CADET 0.91EC	0.0064	LAA 12	18	23	99	99	99	99
B»	RNDUP POWERMAX	1.55	LAA 12						
C»	N-PAK AMS	2.50	PMV 12						
LSD (0.05)				6.16	8.86	0.00	0.00	0.00	2.14
STANDARD DEVIATION				3.00	4.32	0.00	0.00	0.00	1.00

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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	CHEAL	AMATA	PHBPU	GLXMA
		RATE	UNIT		CON % 07/08/11	CON % 07/08/11	CON % 07/08/11	CON % 07/08/11	CON % 07/08/11	CON % 07/22/11
1A»	RNDUP POWERMAX	0.77	LAA	12	0	99	99	99	98	0
	B»N-PAK AMS	2.50	PMV	12						
2A»	RNDUP POWERMAX	1.55	LAA	12	4	99	99	99	98	0
	B»N-PAK AMS	2.50	PMV	12						
3A	COBRA 2EC	0.094	LAA	12	7	99	99	99	99	10
	B»RNDUP POWERMAX	0.77	LAA	12						
	C»N-PAK AMS	2.50	PMV	12						
4A	COBRA 2EC	0.094	LAA	12	23	99	99	99	98	17
	B»RNDUP POWERMAX	1.55	LAA	12						
	C»N-PAK AMS	2.50	PMV	12						
5A	COBRA 2EC	0.188	LAA	12	22	99	99	99	98	20
	B»RNDUP POWERMAX	0.77	LAA	12						
	C»N-PAK AMS	2.50	PMV	12						
6A	COBRA 2EC	0.188	LAA	12	40	99	99	99	99	23
	B»RNDUP POWERMAX	1.55	LAA	12						
	C»N-PAK AMS	2.50	PMV	12						
7A	FLEXSTAR 1.88	0.235	LAA	12	12	99	99	99	99	18
	B»RNDUP POWERMAX	0.77	LAA	12						
	C»N-PAK AMS	2.50	PMV	12						
8A	FLEXSTAR 1.88	0.235	LAA	12	20	99	99	99	98	18
	B»RNDUP POWERMAX	1.55	LAA	12						
	C»N-PAK AMS	2.50	PMV	12						
9A	FLEXSTAR 1.88	0.313	LAA	12	22	99	99	99	98	18
	B»RNDUP POWERMAX	0.77	LAA	12						
	C»N-PAK AMS	2.50	PMV	12						
10A	FLEXSTAR 1.88	0.313	LAA	12	18	99	99	99	98	18
	B»RNDUP POWERMAX	1.55	LAA	12						
	C»N-PAK AMS	2.50	PMV	12						
11A»	CADET 0.91EC	0.0043	LAA	12	20	99	99	99	99	10
	B»RNDUP POWERMAX	0.77	LAA	12						
	C»N-PAK AMS	2.50	PMV	12						
12A»	CADET 0.91EC	0.0043	LAA	12	15	39	99	99	99	10
	B»RNDUP POWERMAX	1.55	LAA	12						
	C»N-PAK AMS	2.50	PMV	12						
13A	CHECK	0.00	NA	0	0	0	0	0	0	0
14A»	CADET 0.91EC	0.0064	LAA	12	38	99	99	99	69	20
	B»RNDUP POWERMAX	0.77	LAA	12						
	C»N-PAK AMS	2.50	PMV	12						
15A»	CADET 0.91EC	0.0064	LAA	12	18	99	99	99	98	10
	B»RNDUP POWERMAX	1.55	LAA	12						
	C»N-PAK AMS	2.50	PMV	12						
LSD (0.05)					8.84	22.45	0.00	0.249	22.52	6.65
STANDARD DEVIATION					4.32	11.00	0.00	0.122	11.00	3.24

TITLE: Soybean / Weed Response to Glyphosate Tank-Mixes - No-Till. N-100
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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	SETFA	CHEAL	AMATA	PHBPU	GLXMA	SETFA		
		RATE	UNIT		CON %	CON %	CON %	CON %	CON %	CON %		
					07/22/11	07/22/11	07/22/11	07/22/11	08/22/11	08/22/11		
1A»	RNDUP	POWERMAX	0.77	LAA	12	99	99	99	73	0	96	
	B»	N-PAK	AMS	2.50	PMV							12
2A»	RNDUP	POWERMAX	1.55	LAA	12	99	99	99	87	0	97	
	B»	N-PAK	AMS	2.50	PMV							12
3A	COBRA	2EC	0.094	LAA	12	89	99	99	89	2	96	
	B»	RNDUP	POWERMAX	0.77	LAA							12
	C»	N-PAK	AMS	2.50	PMV							12
4A	COBRA	2EC	0.094	LAA	12	96	99	99	93	2	96	
	B»	RNDUP	POWERMAX	1.55	LAA							12
	C»	N-PAK	AMS	2.50	PMV							12
5A	COBRA	2EC	0.188	LAA	12	98	99	99	96	1	96	
	B»	RNDUP	POWERMAX	0.77	LAA							12
	C»	N-PAK	AMS	2.50	PMV							12
6A	COBRA	2EC	0.188	LAA	12	98	99	99	98	4	95	
	B»	RNDUP	POWERMAX	1.55	LAA							12
	C»	N-PAK	AMS	2.50	PMV							12
7A	FLEXSTAR	1.88	0.235	LAA	12	91	99	99	88	0	97	
	B»	RNDUP	POWERMAX	0.77	LAA							12
	C»	N-PAK	AMS	2.50	PMV							12
8A	FLEXSTAR	1.88	0.235	LAA	12	96	99	99	92	0	97	
	B»	RNDUP	POWERMAX	1.55	LAA							12
	C»	N-PAK	AMS	2.50	PMV							12
9A	FLEXSTAR	1.88	0.313	LAA	12	95	99	99	93	0	98	
	B»	RNDUP	POWERMAX	0.77	LAA							12
	C»	N-PAK	AMS	2.50	PMV							12
10A	FLEXSTAR	1.88	0.313	LAA	12	98	99	99	96	0	99	
	B»	RNDUP	POWERMAX	1.55	LAA							12
	C»	N-PAK	AMS	2.50	PMV							12
11A»	CADET	0.91EC	0.0043	LAA	12	90	99	99	88	0	99	
	B»	RNDUP	POWERMAX	0.77	LAA							12
	C»	N-PAK	AMS	2.50	PMV							12
12A»	CADET	0.91EC	0.0043	LAA	12	95	99	99	92	0	98	
	B»	RNDUP	POWERMAX	1.55	LAA							12
	C»	N-PAK	AMS	2.50	PMV							12
13A	CHECK		0.00	NA	0	0	0	0	0	0	0	
14A»	CADET	0.91EC	0.0064	LAA	12	91	99	99	89	0	98	
	B»	RNDUP	POWERMAX	0.77	LAA							12
	C»	N-PAK	AMS	2.50	PMV							12
15A»	CADET	0.91EC	0.0064	LAA	12	97	99	99	94	0	99	
	B»	RNDUP	POWERMAX	1.55	LAA							12
	C»	N-PAK	AMS	2.50	PMV							12
LSD (0.05)					2.41	0.00	0.00	4.53	1.41	2.31		
STANDARD DEVIATION					1.18	0.00	0.00	2.21	0.687	1.13		

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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		CHEAL	AMATA	PHBPU
NUM	COMPONENT	RATE	UNIT TM	CON % 08/22/11	CON % 08/22/11	CON % 08/22/11
1A»	RNDUP POWERMAX	0.77	LAA 12	99	98	84
B»	N-PAK AMS	2.50	PMV 12			
2A»	RNDUP POWERMAX	1.55	LAA 12	99	99	95
B»	N-PAK AMS	2.50	PMV 12			
3A	COBRA 2EC	0.094	LAA 12	99	99	96
B»	RNDUP POWERMAX	0.77	LAA 12			
C»	N-PAK AMS	2.50	PMV 12			
4A	COBRA 2EC	0.094	LAA 12	99	99	98
B»	RNDUP POWERMAX	1.55	LAA 12			
C»	N-PAK AMS	2.50	PMV 12			
5A	COBRA 2EC	0.188	LAA 12	99	99	97
B»	RNDUP POWERMAX	0.77	LAA 12			
C»	N-PAK AMS	2.50	PMV 12			
6A	COBRA 2EC	0.188	LAA 12	99	99	98
B»	RNDUP POWERMAX	1.55	LAA 12			
C»	N-PAK AMS	2.50	PMV 12			
7A	FLEXSTAR 1.88	0.235	LAA 12	99	99	98
B»	RNDUP POWERMAX	0.77	LAA 12			
C»	N-PAK AMS	2.50	PMV 12			
8A	FLEXSTAR 1.88	0.235	LAA 12	99	99	96
B»	RNDUP POWERMAX	1.55	LAA 12			
C»	N-PAK AMS	2.50	PMV 12			
9A	FLEXSTAR 1.88	0.313	LAA 12	99	99	98
B»	RNDUP POWERMAX	0.77	LAA 12			
C»	N-PAK AMS	2.50	PMV 12			
10A	FLEXSTAR 1.88	0.313	LAA 12	99	99	98
B»	RNDUP POWERMAX	1.55	LAA 12			
C»	N-PAK AMS	2.50	PMV 12			
11A»	CADET 0.91EC	0.0043	LAA 12	99	99	94
B»	RNDUP POWERMAX	0.77	LAA 12			
C»	N-PAK AMS	2.50	PMV 12			
12A»	CADET 0.91EC	0.0043	LAA 12	99	99	97
B»	RNDUP POWERMAX	1.55	LAA 12			
C»	N-PAK AMS	2.50	PMV 12			
13A	CHECK	0.00	NA 0	0	0	0
14A»	CADET 0.91EC	0.0064	LAA 12	99	99	98
B»	RNDUP POWERMAX	0.77	LAA 12			
C»	N-PAK AMS	2.50	PMV 12			
15A»	CADET 0.91EC	0.0064	LAA 12	99	99	98
B»	RNDUP POWERMAX	1.55	LAA 12			
C»	N-PAK AMS	2.50	PMV 12			
LSD (0.05)				0.00	0.573	2.40
STANDARD DEVIATION				0.00	0.28	1.17

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING

12 = ----- / POST 06/23/2011(1)

TITLE: Soybean / Weed Response to Glyphosate Tank-Mixes - No-Till. N-100

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 %	06/27/2011	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	GLXMA	CON %	07/01/2011	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	SETFA	CON %	07/01/2011	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL	CON %	07/01/2011	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	AMATA	CON %	07/01/2011	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	07/01/2011	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	GLXMA	CON %	07/08/2011	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	07/08/2011	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL	CON %	07/08/2011	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMATA	CON %	07/08/2011	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	PHBPU	CON %	07/08/2011	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	GLXMA	CON %	07/22/2011	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	SETFA	CON %	07/22/2011	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	CHEAL	CON %	07/22/2011	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	AMATA	CON %	07/22/2011	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	PHBPU	CON %	07/22/2011	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	GLXMA	CON %	08/22/2011	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	SETFA	CON %	08/22/2011	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	CHEAL	CON %	08/22/2011	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	AMATA	CON %	08/22/2011	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	PHBPU	CON %	08/22/2011	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = A 3431RR