

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: 6

APPL. NUMBER	01	02	03	04	05	UNIT
TIMINGS	09	11	12	13	14	
TYPE	LIQMIX	LIQMIX	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	05/27/14	06/18/14	06/20/14	07/07/14	07/18/14	AME
AIR TEMPERATURE	85	85	82	86	82	F
% REL.HUMIDITY	42	83	65	54	53	
WIND DIRECTION	SOUTHWEST	EAST	WEST	SOUTHWEST	SOUTHEAST	M/H
WIND SPEED	4.0	3.0	5.0	5.0	4.0	
CLOUD COVER	PARTCLDY	PARTCLDY	PARTCLDY	PARTCLDY	PARTCLDY	
DEW	NO	NO	NO	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	MOIST/MOI	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACK/	BACKPACK/	BACKPACK/	BACKPACK/	BACKPACK/	
PROPELLANT	COMPRESSE	COMPRESSE	COMPRESSE	COMPRESSE	COMPRESSE	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE DESCRIPTION						
NOZZLE NUMBER	5	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	18.000	IN
SCREEN SIZE						
SCREEN SZ DESC	NA	NA	NA	NA	NA	
SWATH WIDTH	7.5	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	20.00	
SPRAY VOLUME UNIT	GPA	GPA	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	WATER	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	DEN / STG MIN / MAX	DEN / STG MIN / MAX	DEN / STG MIN / MAX	DEN / STG MIN / MAX	
CROP *						
P, SOYBEAN		---/14	---/14	---/19	---/62	
S34 Z1 RR		5.00/5.00	6.00/6.00	14.0/14.0	22.0/24.0	IN
(PLANTED) 05/27/2014		22 DAP	24 DAP	41 DAP	52 DAP	
PEST *						
P, VELVETLEAF		---/12	---/13	---/14	---/18	
		1.00/2.00	1.00/3.00	1.00/4.00	2.00/8.00	IN
P, WATERHEMP, COMMO		---/18	---/19	---/19	---/19	
		2.00/3.00	2.00/4.00	2.00/6.00	2.00/8.00	IN
P, LAMBSQUARTERS, C		---/16	---/17	---/19	---/19	
		0.50/1.00	1.00/1.00	2.00/4.00	2.00/6.00	IN
P, MORNINGGLORY, TA		---/13	---/14	---/16	---/18	
		1.00/3.00	1.00/4.00	2.00/4.00	2.00/6.00	IN
P, FOXTAIL, GIANT		---/13	---/14	---/15	---/11	
		2.00/4.00	2.00/4.00	2.00/6.00	1.00/1.00	IN
P, COCKLEBUR, COMMO		---/13	---/14	---/16	---/19	
		2.00/5.00	2.00/6.00	2.00/8.00	2.00/12.0	IN

*** TIMING CODES**

09 = ----- / PREEMERGENCE
11 = ----- / EPOST
12 = ----- / POST
13 = ----- / LPOST
14 = ----- / VLPOST

*** STAGE CODE**

11 = FIRST LEAF UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3 LEAVES UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH LEAF (2ND TRIFOLIATE LEAF) UNFOLDED, 3 NODES
14 = 4 LEAVES UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5 LEAVES UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = 9 OR MORE LEAVES UNFOLDED, 8 OR MORE NODES
62 = 20% OF FLOWERS OPEN (DETERMINATE)

TITLE: Sequential and Post-Emergence Applic. for Weed Control and Yield in RR Soybean.
AS-200

CREATED: 05/04/2014 **REVISED:** 11/04/2014

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: 06

TRT	TREATMENT	DOSAGE		GLXMA	SETFA	CHEAL	AMATA	ABUTH	PHBPU
NUM	COMPONENT	RATE	UNIT	CON %	CON %	CON %	CON %	CON %	CON %
			TM	06/18/14	06/18/14	06/18/14	06/18/14	06/18/14	06/18/14
1A	CHECK	0.00	NA	0	0	0	0	0	0
2A	»RNDUP POWERMAX	1.125	LAA 11	0	C	C	C	C	C
	B»ACTIVATOR 90	0.25	PMV 11						
	C»LIQUID AMS	2.50	PMV 11						
	D»RNDUP POWERMAX	1.125	LAA 13						
	E»ACTIVATOR 90	0.25	PMV 13						
	F»LIQUID AMS	2.50	PMV 13						
3A	»FIERCE 76WG	0.14	LAA 9	0	95	99	99	93	79
	B»RNDUP POWERMAX	1.125	LAA 12						
	C»ACTIVATOR 90	0.25	PMV 12						
	D»LIQUID AMS	2.50	PMV 12						
4A	»FIERCE 76WG	0.14	LAA 9	0	95	99	99	92	81
	B COBRA 2EC	0.195	LAA 12						
	C»RNDUP POWERMAX	1.125	LAA 12						
	D»COC	0.63	PMV 12						
	E»LIQUID AMS	2.50	PMV 12						
5A	»FIERCE 76WG	0.14	LAA 9	0	97	99	99	93	78
	B COBRA 2EC	0.195	LAA 12						
	C»RNDUP POWERMAX	1.125	LAA 12						
	D»COC	0.63	PMV 12						
	E»LIQUID AMS	2.50	PMV 12						
	F COBRA 2EC	0.195	LAA 14						
	G»RNDUP POWERMAX	1.125	LAA 14						
	H»COC	0.63	PMV 14						
	I»LIQUID AMS	2.50	PMV 14						
LSD (0.05)				0.00	2.64	0.00	0.00	5.56	5.65
STANDARD DEVIATION				0.00	1.27	0.00	0.00	2.67	2.71

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REPS: 06

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	XANST CON % 06/18/14	GLXMA CON % 06/30/14	SETFA CON % 06/30/14	CHEAL CON % 06/30/14	AMATA CON % 06/30/14	ABUTH CON % 06/30/14
		RATE	UNIT							
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	RNDUP POWERMAX	1.125	LAA	11	C	0	99	99	99	99
	B»ACTIVATOR 90	0.25	PMV	11						
	C»LIQUID AMS	2.50	PMV	11						
	D»RNDUP POWERMAX	1.125	LAA	13						
	E»ACTIVATOR 90	0.25	PMV	13						
	F»LIQUID AMS	2.50	PMV	13						
3A	FIERCE 76WG	0.14	LAA	9	57	0	99	99	99	99
	B»RNDUP POWERMAX	1.125	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D»LIQUID AMS	2.50	PMV	12						
4A	FIERCE 76WG	0.14	LAA	9	59	31	99	99	99	99
	B COBRA 2EC	0.195	LAA	12						
	C»RNDUP POWERMAX	1.125	LAA	12						
	D»COC	0.63	PMV	12						
	E»LIQUID AMS	2.50	PMV	12						
5A	FIERCE 76WG	0.14	LAA	9	58	31	99	99	99	99
	B COBRA 2EC	0.195	LAA	12						
	C»RNDUP POWERMAX	1.125	LAA	12						
	D»COC	0.63	PMV	12						
	E»LIQUID AMS	2.50	PMV	12						
	F COBRA 2EC	0.195	LAA	14						
	G»RNDUP POWERMAX	1.125	LAA	14						
	H»COC	0.63	PMV	14						
	I»LIQUID AMS	2.50	PMV	14						
LSD (0.05)					12.15	3.58	0.00	0.00	0.00	0.00
STANDARD DEVIATION					5.82	1.72	0.00	0.00	0.00	0.00

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LOCATION: Urbana

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PLOT AREA: 225.00 SFT

REPS: 06

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	PHBPU	XANST	GLXMA	SETFA	CHEAL	AMATA
		RATE	UNIT		CON % 06/30/14	CON % 06/30/14	CON % 07/16/14	CON % 07/16/14	CON % 07/16/14	CON % 07/16/14
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	RNDUP POWERMAX	1.125	LAA	11	85	99	0	99	99	99
	B»ACTIVATOR 90	0.25	PMV	11						
	C»LIQUID AMS	2.50	PMV	11						
	D»RNDUP POWERMAX	1.125	LAA	13						
	E»ACTIVATOR 90	0.25	PMV	13						
	F»LIQUID AMS	2.50	PMV	13						
3A	FIERCE 76WG	0.14	LAA	9	93	99	0	98	99	99
	B»RNDUP POWERMAX	1.125	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D»LIQUID AMS	2.50	PMV	12						
4A	FIERCE 76WG	0.14	LAA	9	96	99	6	98	99	99
	B COBRA 2EC	0.195	LAA	12						
	C»RNDUP POWERMAX	1.125	LAA	12						
	D»COC	0.63	PMV	12						
	E»LIQUID AMS	2.50	PMV	12						
5A	FIERCE 76WG	0.14	LAA	9	96	99	6	98	99	99
	B COBRA 2EC	0.195	LAA	12						
	C»RNDUP POWERMAX	1.125	LAA	12						
	D»COC	0.63	PMV	12						
	E»LIQUID AMS	2.50	PMV	12						
	F COBRA 2EC	0.195	LAA	14						
	G»RNDUP POWERMAX	1.125	LAA	14						
	H»COC	0.63	PMV	14						
	I»LIQUID AMS	2.50	PMV	14						
LSD (0.05)					4.00	0.00	2.10	1.50	0.00	0.00
STANDARD DEVIATION					1.91	0.00	1.00	0.717	0.00	0.00

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REPS: 06

TRT	TREATMENT	DOSAGE		ABUTH	PHBPU	XANST	GLXMA	SETFA	CHEAL
NUM	COMPONENT	RATE	UNIT	CON %	CON %	CON %	CON %	CON %	CON %
			TM	07/16/14	07/16/14	07/16/14	07/25/14	07/25/14	07/25/14
1A	CHECK	0.00	NA	0	0	0	0	0	0
2A	»RNDUP POWERMAX	1.125	LAA	11	99	95	99	0	99
	B»ACTIVATOR 90	0.25	PMV	11					
	C»LIQUID AMS	2.50	PMV	11					
	D»RNDUP POWERMAX	1.125	LAA	13					
	E»ACTIVATOR 90	0.25	PMV	13					
	F»LIQUID AMS	2.50	PMV	13					
3A	»FIERCE 76WG	0.14	LAA	9	99	92	86	0	99
	B»RNDUP POWERMAX	1.125	LAA	12					
	C»ACTIVATOR 90	0.25	PMV	12					
	D»LIQUID AMS	2.50	PMV	12					
4A	»FIERCE 76WG	0.14	LAA	9	99	88	88	6	98
	B COBRA 2EC	0.195	LAA	12					
	C»RNDUP POWERMAX	1.125	LAA	12					
	D»COC	0.63	PMV	12					
	E»LIQUID AMS	2.50	PMV	12					
5A	»FIERCE 76WG	0.14	LAA	9	99	87	86	28	99
	B COBRA 2EC	0.195	LAA	12					
	C»RNDUP POWERMAX	1.125	LAA	12					
	D»COC	0.63	PMV	12					
	E»LIQUID AMS	2.50	PMV	12					
	F COBRA 2EC	0.195	LAA	14					
	G»RNDUP POWERMAX	1.125	LAA	14					
	H»COC	0.63	PMV	14					
	I»LIQUID AMS	2.50	PMV	14					
LSD (0.05)				0.00	4.00	6.34	3.58	0.556	0.00
STANDARD DEVIATION				0.00	1.92	3.00	1.72	0.267	0.00

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PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG

PLOT AREA: 225.00 SFT

REPS: 06

TRT	TREATMENT	DOSAGE		AMATA	ABUTH	PHBPU	XANST	YIELD
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	BU/A
					07/25/14	07/25/14	07/25/14	10/21/14
1A	CHECK	0.00	NA	0	0	0	0	34.0
2A	»RNDUP POWERMAX	1.125	LAA	11	99	99	93	99
B	»ACTIVATOR 90	0.25	PMV	11				71.3
C	»LIQUID AMS	2.50	PMV	11				
D	»RNDUP POWERMAX	1.125	LAA	13				
E	»ACTIVATOR 90	0.25	PMV	13				
F	»LIQUID AMS	2.50	PMV	13				
3A	»FIERCE 76WG	0.14	LAA	9	99	99	88	84
B	»RNDUP POWERMAX	1.125	LAA	12				67.7
C	»ACTIVATOR 90	0.25	PMV	12				
D	»LIQUID AMS	2.50	PMV	12				
4A	»FIERCE 76WG	0.14	LAA	9	99	99	82	84
B	COBRA 2EC	0.195	LAA	12				60.5
C	»RNDUP POWERMAX	1.125	LAA	12				
D	COC	0.63	PMV	12				
E	»LIQUID AMS	2.50	PMV	12				
5A	»FIERCE 76WG	0.14	LAA	9	99	99	98	99
B	COBRA 2EC	0.195	LAA	12				63.2
C	»RNDUP POWERMAX	1.125	LAA	12				
D	COC	0.63	PMV	12				
E	»LIQUID AMS	2.50	PMV	12				
F	COBRA 2EC	0.195	LAA	14				
G	»RNDUP POWERMAX	1.125	LAA	14				
H	COC	0.63	PMV	14				
I	»LIQUID AMS	2.50	PMV	14				
LSD (0.05)					0.00	0.00	5.19	5.56
STANDARD DEVIATION					0.00	0.00	2.49	2.66
								7.85
								3.77

» = SUPPLEMENTAL CHEMICAL

---,M,C,D = MISSING DATA

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 05/27/2014(1)
 11 = ----- / EPOST 06/18/2014(2)
 12 = ----- / POST 06/20/2014(3)
 13 = ----- / LPOST 07/07/2014(4)
 14 = ----- / VLPOST 07/18/2014(5)

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 %	06/18/2014	01	P	GLXMA	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/18/2014	02	P	SETFA	13	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	06/18/2014	03	P	CHEAL	16	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	06/18/2014	04	P	AMATA	18	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	06/18/2014	05	P	ABUTH	12	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	06/18/2014	06	P	PHBPU	13	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	XANST	CON %	06/18/2014	07	P	XANST	13	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	GLXMA	CON %	06/30/2014	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	SETFA	CON %	06/30/2014	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	06/30/2014	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	AMATA	CON %	06/30/2014	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	ABUTH	CON %	06/30/2014	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	PHBPU	CON %	06/30/2014	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	XANST	CON %	06/30/2014	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	GLXMA	CON %	07/16/2014	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	SETFA	CON %	07/16/2014	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	CHEAL	CON %	07/16/2014	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	AMATA	CON %	07/16/2014	04	P	AMATA		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	CTRT	SS	NOTE
019	ABUTH	CON %	07/16/2014	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	PHBPU	CON %	07/16/2014	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	XANST	CON %	07/16/2014	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
022	GLXMA	CON %	07/25/2014	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
023	SETFA	CON %	07/25/2014	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
024	CHEAL	CON %	07/25/2014	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
025	AMATA	CON %	07/25/2014	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
026	ABUTH	CON %	07/25/2014	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
027	PHBPU	CON %	07/25/2014	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
028	XANST	CON %	07/25/2014	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
029	YIELD	BU/A	10/21/2014	01	P	GLXMA		RAW	ALL	YLD	%	---	1.00 PL	NO	0001	0	N

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

01 = S34 Z1 RR

* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 13 = 3 LEAVES UNFOLDED
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 14 = 4TH LEAF (2ND TRIFOLIATE LEAF) UNFOLDED, 3 NODES
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED