

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
PH: 6.7
%OM: 1.5
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	02	UNIT
TIMINGS	09	12	
TYPE	LIQUID MI	LIQUID MI	
APPLICATION DATE	05/07/15	06/22/15	AME
AIR TEMPERATURE	66	79	F
% REL.HUMIDITY	43	40	
WIND DIRECTION	SOUTHEAST	SOUTHEAST	
WIND SPEED	4.0	4.0	M/H
CLOUD COVER	PAR.CLOUD	PAR.CLOUD	
DEW	NO	NO	
SOIL MOISTURE	MOIST/MOI	MOIST/MOI	
SOIL CONDITION	TO BE SEL	TO BE SEL	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACK/	BACKPACK/	
PROPELLANT	COMPRESSE	COMPRESSE	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE DESCRIPTION			
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SCREEN SIZE			
SCREEN SZ DESC	NA	NA	
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
SPRAY VOLUME UNIT	GPA	GPA	
PRESSURE	30.00	30.00	PSI
DILUENT	WATER	WATER	
INC. DATE			AME
INC. START			24H
INC. END			24H
INC. DEPTH			IN
INC. EQUIPMENT	TO BE SEL	TO BE SEL	
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	
CROP *			
P, SOYBEAN		---/16	
A 4034 RR2		6.00/8.00	IN
(PLANTED) 05/07/2015		46 DAP	
PEST *			
P, WATERHEMP, COMMO		---/17	
		1.00/4.00	IN
P, RAGWEED, COMMON		---/16	
		4.00/6.00	IN
P, PANICUM, FALL		---/15	
		2.00/13.0	IN

* TIMING CODES

09 = --- / PREEMERGENCE
12 = --- / POST

* STAGE CODE

15 = 5 LEAVES UNFOLDED
16 = 6TH LEAF (4TH TRIFOLIATE LEAF) UNFOLDED, 5 NODES
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Weed Control Systems in RR Soybean. E-2
CREATED: 04/30/2015 **REVISED:** 10/22/2015 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Brownstown **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			GLXMA	PANDI	AMATA	AMBEL	GLXMA	PANDI
		RATE	UNIT	TM	CON % 07/01/15	CON % 07/01/15	CON % 07/01/15	CON % 07/01/15	CON % 07/22/15	CON % 07/22/15
1A	BROADAXE XC 7L	1.09	LAA	9	0	91	99	99	0	83
2A	BROADAXE XC 7L	1.37	LAA	9	0	93	99	99	0	93
3A	BROADAXE XC 7L	1.09	LAA	9	0	97	99	99	0	94
	B CLASSIC 25WG	0.016	LAA	9						
4A	BROADAXE XC 7L	1.37	LAA	9	0	99	99	99	0	97
	B CLASSIC 25WG	0.016	LAA	9						
5A	VALOR XLT 40WG	3.50	OMA	0	0	96	98	99	0	78
	B CLASSIC 25WG	0.023	LAA	9						
	C VALOR SX 51WDG	0.065	LAA	9						
6A	AUTHORITY XL 7	0.197	LAA	9	0	93	97	99	0	68
7A	VALOR XLT 40WG	3.50	OMA	0	0	99	99	99	0	94
	B CLASSIC 25WG	0.023	LAA	9						
	C VALOR SX 51WDG	0.065	LAA	9						
	D RNDUP POWERMAX	1.125	LAA	12						
	E LIQUID AMS	2.50	PMV	12						
8A	CHECK	0.00	NA	0	0	C	C	C	0	94
9A	AUTHORITY XL 7	0.197	LAA	9	2	99	99	99	0	98
	B DUAL MAGNUM 7.	1.27	LAA	9						
	C RNDUP POWERMAX	1.125	LAA	12						
	D LIQUID AMS	2.50	PMV	12						
10A	BROADAXE XC 7L	1.09	LAA	9	18	99	99	99	0	95
	B FLEXSTAR GT 3.	1.23	LAA	12						
	C MSO	1.00	PMV	12						
	D LIQUID AMS	2.50	PMV	12						
11A	BROADAXE XC 7L	1.37	LAA	9	17	99	99	99	0	98
	B FLEXSTAR GT 3.	1.23	LAA	12						
	C MSO	1.00	PMV	12						
	D LIQUID AMS	2.50	PMV	12						
12A	FIERCE XLT	4.00	OMA	0	0	99	99	99	0	97
	B CLASSIC 25WG	0.017	LAA	9						
	C VALOR SX 51WDG	0.061	LAA	9						
	D ZIDUA 85WG	0.078	LAA	9						
	E RNDUP POWERMAX	1.125	LAA	12						
	F LIQUID AMS	2.50	PMV	12						
13A	AUTHOR. MAXX 6	0.25	LAA	9	2	99	99	99	0	94
	B RNDUP POWERMAX	1.125	LAA	12						
	C LIQUID AMS	2.50	PMV	12						
14A	SONIC 70DF	0.197	LAA	9	0	99	99	99	0	98
	B DURANGO 4AE	1.00	LAA	12						
	C LIQUID AMS	2.50	PMV	12						
15A	SONIC 70DF	0.131	LAA	9	0	99	99	99	0	98
	B FIRSTRATE 84WG	0.016	LAA	12						
	C DURANGO 4AE	1.00	LAA	12						
	D LIQUID AMS	2.50	PMV	12						
16A	SURVEIL 48WG	0.126	LAA	9	0	99	99	99	0	92
	B DURANGO 4AE	1.00	LAA	12						
	C LIQUID AMS	2.50	PMV	12						
17A	ENLITE 47.86WG	3.00	OMA	0	13	99	99	99	0	98
	B CLASSIC 25WG	0.0054	LAA	9						
	C HARMONY GT 50W	0.0165	LAA	9						
	D VALOR SX 51WDG	0.0678	LAA	9						
	E ABUNDIT EXTRA	0.75	LAA	12						
	F CINCH	0.96	LAA	12						

TITLE: Weed Control Systems in RR Soybean. E-2

TRT NUM	TREATMENT COMPONENT	DOSAGE		GLXMA	PANDI	AMATA	AMBEL	GLXMA	PANDI
		RATE	UNIT TM	CON % 07/01/15	CON % 07/01/15	CON % 07/01/15	CON % 07/01/15	CON % 07/22/15	CON % 07/22/15
G	COBRA 2EC	0.125	LAA 12						
H	LIQUID AMS	2.50	PMV 12						
18A	CANOPY 75WG	0.105	LAA 9	10	99	99	99	0	98
B	CINCH	0.96	LAA 9						
C	ABUNDIT EXTRA	0.75	LAA 12						
D	CINCH	0.96	LAA 12						
E	COBRA 2EC	0.125	LAA 12						
F	LIQUID AMS	2.50	PMV 12						
19A	AUTHOR. MAXX 6	0.21	LAA 9	10	99	99	99	0	97
B	MARVEL SC 3L	0.17	LAA 12						
C	RNDUP POWERMAX	1.125	LAA 12						
D	LIQUID AMS	2.50	PMV 12						
20A	OPTILL 68WG	0.085	LAA 9	2	99	99	99	0	96
B	ZIDUA 85WG	0.106	LAA 9						
C	RNDUP POWERMAX	1.125	LAA 12						
D	LIQUID AMS	2.50	PMV 12						
			LSD (0.05)	3.10	3.40	0.886	0.391	0.00	9.30
			STANDARD DEVIATION	1.53	1.68	0.439	0.193	0.00	4.60

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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			AMATA	AMBEL	YIELD
		RATE	UNIT	TM	CON % 07/22/15	CON % 07/22/15	CON % 09/28/15
1A	BROADAXE XC 7L	1.09	LAA	9	97	98	59.5
2A	BROADAXE XC 7L	1.37	LAA	9	97	95	63.2
3A	BROADAXE XC 7L	1.09	LAA	9	97	99	61.5
	B CLASSIC 25WG	0.016	LAA	9			
4A	BROADAXE XC 7L	1.37	LAA	9	97	99	62.8
	B CLASSIC 25WG	0.016	LAA	9			
5A	VALOR XLT 40WG	3.50	OMA	0	96	99	55.9
	B CLASSIC 25WG	0.023	LAA	9			
	C VALOR SX 51WDG	0.065	LAA	9			
6A	AUTHORITY XL 7	0.197	LAA	9	92	98	59.2
7A	VALOR XLT 40WG	3.50	OMA	0	99	99	63.7
	B CLASSIC 25WG	0.023	LAA	9			
	C VALOR SX 51WDG	0.065	LAA	9			
	D RNDUP POWERMAX	1.125	LAA	12			
	E LIQUID AMS	2.50	PMV	12			
8A	CHECK	0.00	NA	0	96	90	44.5
9A	AUTHORITY XL 7	0.197	LAA	9	98	99	67.7
	B DUAL MAGNUM 7.	1.27	LAA	9			
	C RNDUP POWERMAX	1.125	LAA	12			
	D LIQUID AMS	2.50	PMV	12			
10A	BROADAXE XC 7L	1.09	LAA	9	99	99	64.4
	B FLEXSTAR GT 3.	1.23	LAA	12			
	C MSO	1.00	PMV	12			
	D LIQUID AMS	2.50	PMV	12			
11A	BROADAXE XC 7L	1.37	LAA	9	99	99	68.2
	B FLEXSTAR GT 3.	1.23	LAA	12			
	C MSO	1.00	PMV	12			
	D LIQUID AMS	2.50	PMV	12			
12A	FIERCE XLT	4.00	OMA	0	99	99	69.1
	B CLASSIC 25WG	0.017	LAA	9			
	C VALOR SX 51WDG	0.061	LAA	9			
	D ZIDUA 85WG	0.078	LAA	9			
	E RNDUP POWERMAX	1.125	LAA	12			
	F LIQUID AMS	2.50	PMV	12			
13A	AUTHOR. MAXX 6	0.25	LAA	9	99	99	62.3
	B RNDUP POWERMAX	1.125	LAA	12			
	C LIQUID AMS	2.50	PMV	12			
14A	SONIC 70DF	0.197	LAA	9	99	99	61.8
	B DURANGO 4AE	1.00	LAA	12			
	C LIQUID AMS	2.50	PMV	12			
15A	SONIC 70DF	0.131	LAA	9	99	99	67.6
	B FIRSTRATE 84WG	0.016	LAA	12			
	C DURANGO 4AE	1.00	LAA	12			
	D LIQUID AMS	2.50	PMV	12			
16A	SURVEIL 48WG	0.126	LAA	9	98	99	67.6
	B DURANGO 4AE	1.00	LAA	12			
	C LIQUID AMS	2.50	PMV	12			
17A	ENLITE 47.86WG	3.00	OMA	0	99	99	71.1
	B CLASSIC 25WG	0.0054	LAA	9			
	C HARMONY GT 50W	0.0165	LAA	9			
	D VALOR SX 51WDG	0.0678	LAA	9			
	E ABUNDIT EXTRA	0.75	LAA	12			
	F CINCH	0.96	LAA	12			

TITLE: Weed Control Systems in RR Soybean. E-2

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	AMATA	AMBEL	YIELD
		RATE	UNIT		CON % 07/22/15	CON % 07/22/15	CON % 09/28/15
G	COBRA 2EC	0.125	LAA	12			
H	LIQUID AMS	2.50	PMV	12			
18A	CANOPY 75WG	0.105	LAA	9	99	99	68.6
B	CINCH	0.96	LAA	9			
C	ABUNDIT EXTRA	0.75	LAA	12			
D	CINCH	0.96	LAA	12			
E	COBRA 2EC	0.125	LAA	12			
F	LIQUID AMS	2.50	PMV	12			
19A	AUTHOR. MAXX 6	0.21	LAA	9	99	99	66.6
B	MARVEL SC 3L	0.17	LAA	12			
C	RNDUP POWERMAX	1.125	LAA	12			
D	LIQUID AMS	2.50	PMV	12			
20A	OPTILL 68WG	0.085	LAA	9	99	99	53.0
B	ZIDUA 85WG	0.106	LAA	9			
C	RNDUP POWERMAX	1.125	LAA	12			
D	LIQUID AMS	2.50	PMV	12			
					4.38	3.65	11.06
LSD (0.05)					2.17	1.80	5.47
STANDARD DEVIATION							

>> = SUPPLEMENTAL CHEMICAL

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

* TIMING CODES

00 = --- / UNTREATED TIMING
09 = --- / PREEMERGENCE 05/07/2015(1)
12 = --- / POST 06/22/2015(2)

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 %	07/01/2015	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	PANDI	CON %	07/01/2015	02	P	PANDI		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMATA	CON %	07/01/2015	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMBEL	CON %	07/01/2015	04	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	GLXMA	CON %	07/22/2015	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PANDI	CON %	07/22/2015	02	P	PANDI		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	AMATA	CON %	07/22/2015	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMBEL	CON %	07/22/2015	04	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	YIELD	CON %	09/28/2015	01	P	GLXMA		RAW	ALL	YLD	%	---	1.00 PL	NO	0001	0	N

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

01 = A 4034 RR2