

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
 PH: 6.6  
 %OM: 4.7  
 PREV.CROP: ZEAMD - dent corn  
 %RESIDUE: 0  
 PLOT WIDTH: 7.5 X 30 FEET  
 PLOT AREA: 225 FEET

DESIGN: RCB  
 REPS: 3

APPL. NUMBER	01	UNIT
TIMINGS	09	
TYPE	LIQUID MI	
APPLICATION DATE	05/20/16	AME
TIME - BEGIN	09:20	24H
TIME - END	09:40	24H
AIR TEMPERATURE	62	F
% REL.HUMIDITY	50	
WIND DIRECTION	EAST	
WIND SPEED	6.0	M/H
CLOUD COVER	CLOUDY--6	
DEW	TO BE SEL	
SOIL MOISTURE	DRY/MOIST	
SOIL CONDITION	TO BE SEL	
SOIL TEMP/DEPTH	60/4.00	F/IN
METHOD	SPRAY	
EQUIPMENT	BACKPACK/	
PROPELLANT	COMPRESSE	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE DESCRIPTION		
NOZZLE VOLUME	0.00	GPM
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SCREEN SIZE		
SCREEN SZ DESC	NA	
SWATH WIDTH	7.5	FT
BOOM HEIGHT	20.0	IN
SPEED	3.00	M/H
MIX SIZE	0.260	
MIX SIZE UNIT	GAL	
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	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	
CROP *		
P, soybean;soya bea	---/00	
ASGROW AG3334 RR	/	IN
(PLANTED) 05/19/2016	1 DAP	

\* TIMING CODES  
 09 = --- / PREEMERGENCE

\* STAGE CODE  
 00 = DRY SEED

**TITLE:** Preemergence Combinations with Scepter for Weed Control in RR Soy. AS-200  
**CREATED:** 04/18/2016 **REVISED:** 08/25/2016 **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			GLXMA	GLXMA	SETFA	AMATA	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 05/27/16	CON % 06/03/16	CON % 06/03/16	CON % 06/03/16	CON % 06/03/16	CON % 06/03/16
1A	SCEPTER 70DG	0.125	LAA	9	0	0	68	75	83	50
2A	BOUNDARY 6.5EC	1.22	LAA	9	0	0	99	99	73	20
3A	DUAL II MAGNUM	0.96	LAA	9	0	0	99	99	95	57
	B SCEPTER 70DG	0.094	LAA	9						
4A	DUAL II MAGNUM	0.96	LAA	9	0	0	98	99	99	60
	B SCEPTER 70DG	0.125	LAA	9						
5A	CANOPY 75WG	0.28	LAA	9	0	0	40	99	86	55
6A»	METRIBUZIN 75D	0.375	LAA	9	0	0	76	96	99	53
	B SCEPTER 70DG	0.094	LAA	9						
7A»	METRIBUZIN 75D	0.375	LAA	9	0	0	68	96	99	67
	B SCEPTER 70DG	0.125	LAA	9						
8A	DUAL II MAGNUM	0.96	LAA	9	0	0	99	99	99	65
	B CANOPY 75WG	0.28	LAA	9						
9A	DUAL II MAGNUM	0.96	LAA	9	0	0	97	99	99	58
	B SCEPTER 70DG	0.094	LAA	9						
	C»METRIBUZIN 75D	0.375	LAA	9						
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
11A	DUAL II MAGNUM	0.96	LAA	9	0	0	99	99	99	70
	B SCEPTER 70DG	0.125	LAA	9						
	C»METRIBUZIN 75D	0.375	LAA	9						
12A»	OPTILL 68WG	0.085	LAA	9	0	0	99	99	99	90
	B»ZIDUA 85WG	0.106	LAA	9						
	LSD (0.05)				0.0	0.0	12.7	5.0	8.1	14.9
	STANDARD DEVIATION				0.0	0.0	6.1	2.4	3.9	7.2

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REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			XANST	GLXMA	SETFA	AMATA	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 06/03/16	CON % 06/17/16	CON % 06/17/16	CON % 06/17/16	CON % 06/17/16	CON % 06/17/16
1A	SCEPTER 70DG	0.125	LAA	9	43	0	68	72	77	43
2A	BOUNDARY 6.5EC	1.22	LAA	9	17	0	88	99	72	17
3A	DUAL II MAGNUM	0.96	LAA	9	60	4	86	82	75	37
	B SCEPTER 70DG	0.094	LAA	9						
4A	DUAL II MAGNUM	0.96	LAA	9	65	1	86	94	99	43
	B SCEPTER 70DG	0.125	LAA	9						
5A	CANOPY 75WG	0.28	LAA	9	43	0	27	99	83	33
6A»	METRIBUZIN 75D	0.375	LAA	9	58	0	68	85	99	30
	B SCEPTER 70DG	0.094	LAA	9						
7A»	METRIBUZIN 75D	0.375	LAA	9	73	0	58	94	99	53
	B SCEPTER 70DG	0.125	LAA	9						
8A	DUAL II MAGNUM	0.96	LAA	9	50	1	88	99	96	50
	B CANOPY 75WG	0.28	LAA	9						
9A	DUAL II MAGNUM	0.96	LAA	9	62	1	90	99	99	50
	B SCEPTER 70DG	0.094	LAA	9						
	C»METRIBUZIN 75D	0.375	LAA	9						
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
11A	DUAL II MAGNUM	0.96	LAA	9	75	0	85	99	99	63
	B SCEPTER 70DG	0.125	LAA	9						
	C»METRIBUZIN 75D	0.375	LAA	9						
12A»	OPTILL 68WG	0.085	LAA	9	90	0	89	99	99	85
	B»ZIDUA 85WG	0.106	LAA	9						
		LSD (0.05)			18.4	1.6	13.1	8.6	13.1	14.6
		STANDARD DEVIATION			8.9	0.8	6.3	4.1	6.3	7.0

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REPS: 03

TRT	TREATMENT	DOSAGE			XANST	SETFA	AMATA	ABUTH	PHBPU	XANST
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %	CON %	CON %
					06/17/16	07/02/16	07/02/16	07/02/16	07/02/16	07/02/16
1A	SCEPTER 70DG	0.125	LAA	9	37	50	53	57	27	27
2A	BOUNDARY 6.5EC	1.22	LAA	9	17	75	99	57	10	10
3A	DUAL II MAGNUM	0.96	LAA	9	43	73	57	66	30	27
	B SCEPTER 70DG	0.094	LAA	9						
4A	DUAL II MAGNUM	0.96	LAA	9	47	68	83	99	30	30
	B SCEPTER 70DG	0.125	LAA	9						
5A	CANOPY 75WG	0.28	LAA	9	37	3	99	80	20	20
6A	METRIBUZIN 75D	0.375	LAA	9	50	50	80	99	30	33
	B SCEPTER 70DG	0.094	LAA	9						
7A	METRIBUZIN 75D	0.375	LAA	9	53	53	86	99	50	37
	B SCEPTER 70DG	0.125	LAA	9						
8A	DUAL II MAGNUM	0.96	LAA	9	47	72	99	89	27	23
	B CANOPY 75WG	0.28	LAA	9						
9A	DUAL II MAGNUM	0.96	LAA	9	47	85	99	99	30	33
	B SCEPTER 70DG	0.094	LAA	9						
	C METRIBUZIN 75D	0.375	LAA	9						
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
11A	DUAL II MAGNUM	0.96	LAA	9	68	75	99	99	58	50
	B SCEPTER 70DG	0.125	LAA	9						
	C METRIBUZIN 75D	0.375	LAA	9						
12A	OPTILL 68WG	0.085	LAA	9	80	80	99	99	83	73
	B ZIDUA 85WG	0.106	LAA	9						
	LSD (0.05)				13.5	15.9	20.3	20.4	10.9	19.2
	STANDARD DEVIATION				6.5	7.6	9.8	9.8	5.3	9.3

>> = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

00 = --- / UNTREATED TIMING  
 09 = --- / PREEMERGENCE 05/20/2016(1)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECI	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
001	GLXMA	CON %	05/27/2016	01	P	GLXMA		RAW	ALL	CON %	---	---	1.00 PL	NO	0001	0	N
002	GLXMA	CON %	06/03/2016	01	P	GLXMA		RAW	ALL	CON %	---	---	1.00 PL	NO	0001	0	N
003	SETFA	CON %	06/03/2016	02	P	SETFA		RAW	ALL	CON %	---	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	06/03/2016	03	P	AMATA		RAW	ALL	CON %	---	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	06/03/2016	04	P	ABUTH		RAW	ALL	CON %	---	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	06/03/2016	05	P	PHBPU		RAW	ALL	CON %	---	---	1.00 PL	NO	0001	0	N
007	XANST	CON %	06/03/2016	06	P	XANST		RAW	ALL	CON %	---	---	1.00 PL	NO	0001	0	N
008	GLXMA	CON %	06/17/2016	01	P	GLXMA		RAW	ALL	CON %	---	---	1.00 PL	NO	0001	0	N
009	SETFA	CON %	06/17/2016	02	P	SETFA		RAW	ALL	CON %	---	---	1.00 PL	NO	0001	0	N
010	AMATA	CON %	06/17/2016	03	P	AMATA		RAW	ALL	CON %	---	---	1.00 PL	NO	0001	0	N
011	ABUTH	CON %	06/17/2016	04	P	ABUTH		RAW	ALL	CON %	---	---	1.00 PL	NO	0001	0	N
012	PHBPU	CON %	06/17/2016	05	P	PHBPU		RAW	ALL	CON %	---	---	1.00 PL	NO	0001	0	N
013	XANST	CON %	06/17/2016	06	P	XANST		RAW	ALL	CON %	---	---	1.00 PL	NO	0001	0	N
014	SETFA	CON %	07/02/2016	02	P	SETFA		RAW	ALL	CON %	---	---	1.00 PL	NO	0001	0	N
015	AMATA	CON %	07/02/2016	03	P	AMATA		RAW	ALL	CON %	---	---	1.00 PL	NO	0001	0	N
016	ABUTH	CON %	07/02/2016	04	P	ABUTH		RAW	ALL	CON %	---	---	1.00 PL	NO	0001	0	N
017	PHBPU	CON %	07/02/2016	05	P	PHBPU		RAW	ALL	CON %	---	---	1.00 PL	NO	0001	0	N
018	XANST	CON %	07/02/2016	06	P	XANST		RAW	ALL	CON %	---	---	1.00 PL	NO	0001	0	N

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

01 = ASGROW AG3334 RR2