

SOIL 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

TRIAL INFORMATION

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	UNIT
TIMINGS	09	
TYPE	LIQUID MI	
APPLICATION DATE	05/07/15	AME
AIR TEMPERATURE	83	F
% REL.HUMIDITY	40	
WIND DIRECTION	SOUTH	
WIND SPEED	15.0	M/H
CLOUD COVER	PAR.CLOUD	
DEW	NO	
SOIL MOISTURE	DRY/MOIST	
SOIL CONDITION	TO BE SEL	
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	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	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	---/01	
NK S38-W4	0.00/0.00	IN
(PLANTED) 05/07/2015	0 DAP	
PEST *		
P, VELVETLEAF	---/00 /	IN
P, WATERHEMP, COMMO	---/00 /	IN
P, LAMBSQUARTERS, C	---/00 /	IN
P, MORNINGGLORY, TA	---/00 /	IN
P, FOXTAIL, GIANT	---/00 /	IN

* TIMING CODES

09 = --- / PREEMERGENCE

*** STAGE CODE**

00 = DRY SEED (CARYOPSIS)

00 = DRY SEED; DORMANCY

01 = BEGINNING OF SEED IMBIBITION

TITLE: Preemergence Soybean Herbicides for Weed Control in RR Soybean II. AS-100
CREATED: 04/25/2015 **REVISED:** 07/15/2015 **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 NUM COMPONENT	DOSAGE RATE	UNIT	TM	GLXMA CON % 05/28/15	SETFA CON % 05/28/15	CHEAL CON % 05/28/15	AMATA CON % 05/28/15	ABUTH CON % 05/28/15	PHBPU CON % 05/28/15
1A»AUTHOR. ASSIST	0.25	LAA	9	0	95	99	99	99	92
2A»OPTILL 68WG	0.063	LAA	9	0	83	99	99	99	82
3A»AUTHOR. ELITE	1.37	LAA	9	0	99	99	99	99	94
4A»AUTHOR. ELITE	1.75	LAA	9	0	99	99	99	97	92
5A»PREFIX 5.32SL	1.33	LAA	9	0	99	99	99	63	62
6A DUAL MAGNUM	1.00	LAA	9	0	97	99	99	20	0
7A SPARTAN 4F	0.14	LAA	9	0	72	99	99	91	90
8A PURSUIT 2SL	0.063	LAA	9	0	81	99	79	78	72
9A»METRIBUZIN 75D	0.35	LAA	9	0	50	99	99	68	18
10A»PANTHER 51 WDG	0.08	LAA	9	0	86	99	99	94	78
11A»NUP-15008 4.2L	0.394	LAA	9	0	99	99	99	99	95
12A»NUP-15008 4.2L	0.492	LAA	9	2	98	99	99	99	95
13A»PANTHER 51 WDG	0.064	LAA	9	0	97	99	99	99	95
B PURSUIT 2SL	0.05	LAA	9						
C»METRIBUZIN 75D	0.28	LAA	9						
14A»PANTHER 51 WDG	0.08	LAA	9	0	99	99	99	99	97
B PURSUIT 2SL	0.063	LAA	9						
C»METRIBUZIN 75D	0.35	LAA	9						
15A»CHA-2745 5L	1.00	LAA	9	0	96	99	99	47	17
16A»CHA-2745 5L	1.25	LAA	9	0	99	99	99	63	20
17A»CHA-2745 5L	1.50	LAA	9	0	99	99	99	67	27
18A»CHA-2745 5L	1.25	LAA	9	0	99	99	99	94	77
B»DAWN 2L	0.30	LAA	9						
19A»CHA-2745 5L	1.25	LAA	9	0	99	99	99	80	67
B»CHA-060 25WG	0.026	LAA	9						
20A»CHA-2745 5L	1.25	LAA	9	0	99	99	99	99	94
B SPARTAN 4F	0.14	LAA	9						
21A»CHA-2745 5L	1.00	LAA	9	0	99	99	99	99	94
B»CHA-060 25WG	0.023	LAA	9						
C»DAWN 2L	0.28	LAA	9						
22A»CHA-2745 5L	1.00	LAA	9	0	99	99	99	99	92
B»CHA-060 25WG	0.02	LAA	9						
C SPARTAN 4F	0.16	LAA	9						
23A»STALWART 8L	2.00	LAA	9	0	99	99	99	37	20
24A»SA-0070124 7.4	1.85	LAA	9	0	99	99	99	99	97
LSD (0.05)				0.839	5.61	0.00	4.00	9.81	7.89
STANDARD DEVIATION				0.419	2.81	0.00	2.00	4.91	3.95

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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 NUM COMPONENT	DOSAGE RATE	UNIT	TM	GLXMA CON % 06/11/15	SETFA CON % 06/11/15	CHEAL CON % 06/11/15	AMATA CON % 06/11/15	ABUTH CON % 06/11/15	PHBPU CON % 06/11/15
1A»AUTHOR. ASSIST	0.25	LAA	9	0	85	99	99	99	93
2A»OPTILL 68WG	0.063	LAA	9	0	68	99	96	92	84
3A»AUTHOR. ELITE	1.37	LAA	9	0	97	99	99	80	88
4A»AUTHOR. ELITE	1.75	LAA	9	0	98	99	99	83	89
5A»PREFIX 5.32SL	1.33	LAA	9	0	98	99	99	65	53
6A DUAL MAGNUM	1.00	LAA	9	0	98	99	98	27	20
7A SPARTAN 4F	0.14	LAA	9	0	60	99	99	75	78
8A PURSUIT 2SL	0.063	LAA	9	0	78	99	72	98	82
9A»METRIBUZIN 75D	0.35	LAA	9	0	40	99	92	91	23
10A»PANTHER 51 WDG	0.08	LAA	9	0	84	99	99	89	77
11A»NUP-15008 4.2L	0.394	LAA	9	0	97	99	99	99	97
12A»NUP-15008 4.2L	0.492	LAA	9	0	97	99	99	99	96
13A»PANTHER 51 WDG	0.064	LAA	9	0	96	99	99	99	93
B PURSUIT 2SL	0.05	LAA	9						
C»METRIBUZIN 75D	0.28	LAA	9						
14A»PANTHER 51 WDG	0.08	LAA	9	0	97	99	99	99	95
B PURSUIT 2SL	0.063	LAA	9						
C»METRIBUZIN 75D	0.35	LAA	9						
15A»CHA-2745 5L	1.00	LAA	9	0	91	99	99	43	23
16A»CHA-2745 5L	1.25	LAA	9	0	95	99	99	50	27
17A»CHA-2745 5L	1.50	LAA	9	0	97	99	99	48	33
18A»CHA-2745 5L	1.25	LAA	9	0	99	99	99	72	73
B»DAWN 2L	0.30	LAA	9						
19A»CHA-2745 5L	1.25	LAA	9	0	98	99	99	65	60
B»CHA-060 25WG	0.026	LAA	9						
20A»CHA-2745 5L	1.25	LAA	9	0	98	99	99	82	87
B SPARTAN 4F	0.14	LAA	9						
21A»CHA-2745 5L	1.00	LAA	9	0	98	99	99	99	89
B»CHA-060 25WG	0.023	LAA	9						
C»DAWN 2L	0.28	LAA	9						
22A»CHA-2745 5L	1.00	LAA	9	0	97	99	99	99	95
B»CHA-060 25WG	0.02	LAA	9						
C SPARTAN 4F	0.16	LAA	9						
23A»STALWART 8L	2.00	LAA	9	0	99	99	98	33	27
24A»SA-0070124 7.4	1.85	LAA	9	0	98	99	99	99	93
LSD (0.05)				0.00	5.50	0.192	4.13	10.00	9.56
STANDARD DEVIATION				0.00	2.75	0.096	2.07	5.00	4.78

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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 NUM COMPONENT	DOSAGE RATE	UNIT	TM	GLXMA CON % 07/02/15	SETFA CON % 07/02/15	CHEAL CON % 07/02/15	AMATA CON % 07/02/15	ABUTH CON % 07/02/15	PHBPU CON % 07/02/15
1A»AUTHOR. ASSIST	0.25	LAA	9	0	83	99	99	99	87
2A»OPTILL 68WG	0.063	LAA	9	0	67	99	85	73	72
3A»AUTHOR. ELITE	1.37	LAA	9	0	88	99	99	77	78
4A»AUTHOR. ELITE	1.75	LAA	9	0	90	99	99	77	84
5A»PREFIX 5.32SL	1.33	LAA	9	0	86	99	99	40	33
6A DUAL MAGNUM	1.00	LAA	9	0	83	99	80	0	0
7A SPARTAN 4F	0.14	LAA	9	0	27	99	99	67	82
8A PURSUIT 2SL	0.063	LAA	9	0	67	99	60	99	73
9A»METRIBUZIN 75D	0.35	LAA	9	0	23	99	99	99	20
10A»PANTHER 51 WDG	0.08	LAA	9	0	57	99	99	94	79
11A»NUP-15008 4.2L	0.394	LAA	9	0	87	99	99	99	94
12A»NUP-15008 4.2L	0.492	LAA	9	0	92	99	99	99	92
13A»PANTHER 51 WDG	0.064	LAA	9	0	84	99	99	99	91
B PURSUIT 2SL	0.05	LAA	9						
C»METRIBUZIN 75D	0.28	LAA	9						
14A»PANTHER 51 WDG	0.08	LAA	9	0	93	99	99	99	94
B PURSUIT 2SL	0.063	LAA	9						
C»METRIBUZIN 75D	0.35	LAA	9						
15A»CHA-2745 5L	1.00	LAA	9	0	50	99	99	37	17
16A»CHA-2745 5L	1.25	LAA	9	0	57	99	99	53	20
17A»CHA-2745 5L	1.50	LAA	9	0	70	99	99	60	27
18A»CHA-2745 5L	1.25	LAA	9	0	83	99	99	60	57
B»DAWN 2L	0.30	LAA	9						
19A»CHA-2745 5L	1.25	LAA	9	0	73	99	99	67	43
B»CHA-060 25WG	0.026	LAA	9						
20A»CHA-2745 5L	1.25	LAA	9	0	75	99	99	73	78
B SPARTAN 4F	0.14	LAA	9						
21A»CHA-2745 5L	1.00	LAA	9	0	79	99	99	96	78
B»CHA-060 25WG	0.023	LAA	9						
C»DAWN 2L	0.28	LAA	9						
22A»CHA-2745 5L	1.00	LAA	9	0	80	99	99	99	89
B»CHA-060 25WG	0.02	LAA	9						
C SPARTAN 4F	0.16	LAA	9						
23A»STALWART 8L	2.00	LAA	9	0	99	99	96	27	17
24A»SA-0070124 7.4	1.85	LAA	9	0	93	99	99	99	90
LSD (0.05)				0.00	8.08	0.00	4.00	9.23	9.55
STANDARD DEVIATION				0.00	4.00	0.00	2.00	4.62	4.78

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

09 = --- / PREEMERGENCE 05/07/2015(1)

TITLE: Preemergence Soybean Herbicides for Weed Control in RR Soybean II. AS-100

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 %	05/28/2015	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	05/28/2015	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	05/28/2015	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	05/28/2015	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	05/28/2015	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	05/28/2015	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	GLXMA	CON %	06/11/2015	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	06/11/2015	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL	CON %	06/11/2015	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMATA	CON %	06/11/2015	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ABUTH	CON %	06/11/2015	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	PHBPU	CON %	06/11/2015	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	GLXMA	CON %	07/02/2015	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	SETFA	CON %	07/02/2015	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	CHEAL	CON %	07/02/2015	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	AMATA	CON %	07/02/2015	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	ABUTH	CON %	07/02/2015	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	PHBPU	CON %	07/02/2015	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = NK S38-W4