

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: 3

APPL. NUMBER	01	UNIT
TIMINGS	09	
TYPE	LIQUID MI	
APPLICATION DATE	05/07/15	AME
AIR TEMPERATURE	83	F
% REL.HUMIDITY	41	
WIND DIRECTION	SOUTH	
WIND SPEED	12.0	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	/	IN
(PLANTED) 05/07/2015	0 DAP	

* TIMING CODES

09 = --- / PREEMERGENCE

* STAGE CODE

01 = BEGINNING OF SEED IMBIBITION

TITLE: Preemergence Soybean Herbicides for Weed Control in RR Soybean I. AS-100
CREATED: 04/25/2015 **REVISED:** 08/27/2015 **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 % 05/21/15	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
1A»SHARPEN 2.85L B»ZIDUA SC 4.17	0.022 0.13	LAA LAA	9 9	0 0	0 0	99 99	99 99	99 99	99 99
2A»OPTILL 68WG B OUTLOOK 6EC	0.085 0.47	LAA LAA	9 9	0 0	0 0	99 99	99 99	99 99	99 99
3A»OPTILL 68WG B»ZIDUA 85WG	0.063 0.08	LAA LAA	9 9	0 0	0 0	98 99	99 99	99 99	99 99
4A»OPTILL 68WG B»ZIDUA 85WG	0.085 0.106	LAA LAA	9 9	0 0	0 0	99 99	99 99	99 99	99 99
5A»BAS 96110H 3.5	1.23	LAA	9	0	0	93	99	99	88
6A PROWL H2O 3.8	1.19	LAA	9	0	0	90	95	93	37
7A»FIERCE 76WG	0.214	LAA	9	11	7	99	99	99	99
8A»FIERCE 76WG	0.178	LAA	9	9	6	99	99	99	99
9A»FIERCE XLT B CLASSIC 25WG C»VALOR SX 51WDG D»ZIDUA 85WG	5.25 0.022 0.081 0.102	OMA LAA LAA LAA	0 9 9 9	8 0 0 0	7 0 0 0	99 99 99 99	99 99 99 99	99 99 99 99	99 99 99 99
10A»ANTHEM 2.15SE	0.143	LAA	9	0	0	98	99	99	68
11A»PREFIX 5.32SL	1.33	LAA	9	0	0	99	99	99	60
12A»AUTHORITY XL 7	0.26	LAA	9	0	0	98	99	99	99
13A»RANSOM 68.9WDG	0.52	LAA	9	0	0	94	99	99	99
14A»GLORY 75DF	0.42	LAA	9	0	0	58	99	99	70
15A»OUTFLANK 51WDG	0.096	LAA	9	0	0	85	99	99	99
16A»VALOR XLT 40WG B CLASSIC 25WG C»VALOR SX 51WDG	4.00 0.026 0.074	OMA LAA LAA	0 9 9	0 0 0	0 0 0	88 99 99	99 99 99	99 99 99	99 99 99
17A»AUTHORITY MTZ	0.39	LAA	9	0	0	89	99	99	99
18A CHECK	0.00	NA	0	0	0	0	0	0	0
19A»PUMMEL 5.25L	1.31	LAA	9	0	0	99	99	95	92
20A»LATIR 55WDG	0.146	LAA	9	0	0	99	99	99	99
21A»TORMENT 2.5L	0.31	LAA	9	0	0	91	99	99	93
22A»MATADOR 4.7L	1.47	LAA	9	0	0	99	99	99	95
23A»AUTHOR. ELITE	1.75	LAA	9	0	0	99	99	99	98
24A»SONIC 70DF	0.263	LAA	9	0	0	95	99	99	99
LSD (0.05) STANDARD DEVIATION				1.47 0.735	1.28 0.642	5.60 2.80	0.667 0.333	1.25 0.627	5.65 2.83

TITLE: Preemergence Soybean Herbicides for Weed Control in RR Soybean I. AS-100
CREATED: 04/25/2015 **REVISED:** 08/27/2015 **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	PHBPU CON % 05/28/15	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
1A»SHARPEN 2.85L	0.022	LAA	9	97	0	98	99	99	98
B»ZIDUA SC 4.17	0.13	LAA	9						
2A»OPTILL 68WG	0.085	LAA	9	98	0	98	99	99	99
B OUTLOOK 6EC	0.47	LAA	9						
3A»OPTILL 68WG	0.063	LAA	9	98	0	96	99	97	99
B»ZIDUA 85WG	0.08	LAA	9						
4A»OPTILL 68WG	0.085	LAA	9	98	0	99	99	99	98
B»ZIDUA 85WG	0.106	LAA	9						
5A»BAS 96110H 3.5	1.23	LAA	9	86	0	86	99	99	83
6A PROWL H2O 3.8	1.19	LAA	9	23	0	85	99	73	53
7A»FIERCE 76WG	0.214	LAA	9	97	0	99	99	99	99
8A»FIERCE 76WG	0.178	LAA	9	98	0	98	99	99	99
9A»FIERCE XLT	5.25	OMA	0	99	0	99	99	99	99
B CLASSIC 25WG	0.022	LAA	9						
C»VALOR SX 51WDG	0.081	LAA	9						
D»ZIDUA 85WG	0.102	LAA	9						
10A»ANTHEM 2.15SE	0.143	LAA	9	63	0	96	99	99	80
11A»PREFIX 5.32SL	1.33	LAA	9	72	0	99	99	99	70
12A»AUTHORITY XL 7	0.26	LAA	9	98	0	85	99	99	96
13A»RANSOM 68.9WDG	0.52	LAA	9	92	0	89	99	99	97
14A»GLORY 75DF	0.42	LAA	9	23	0	58	99	99	99
15A»OUTFLANK 51WDG	0.096	LAA	9	83	0	82	99	99	99
16A»VALOR XLT 40WG	4.00	OMA	0	89	0	81	99	99	99
B CLASSIC 25WG	0.026	LAA	9						
C»VALOR SX 51WDG	0.074	LAA	9						
17A»AUTHORITY MTZ	0.39	LAA	9	94	0	67	99	99	99
18A CHECK	0.00	NA	0	0	0	0	0	0	0
19A»PUMMEL 5.25L	1.31	LAA	9	67	0	98	99	83	95
20A»LATIR 55WDG	0.146	LAA	9	90	0	94	99	99	99
21A»TORMENT 2.5L	0.31	LAA	9	84	0	77	99	99	99
22A»MATADOR 4.7L	1.47	LAA	9	67	0	99	99	96	93
23A»AUTHOR. ELITE	1.75	LAA	9	95	0	99	99	99	90
24A»SONIC 70DF	0.263	LAA	9	97	0	88	99	99	99
LSD (0.05)				5.78	0.00	12.26	0.00	8.25	9.78
STANDARD DEVIATION				2.89	0.00	6.13	0.00	4.13	4.89

TITLE: Preemergence Soybean Herbicides for Weed Control in RR Soybean I. AS-100
CREATED: 04/25/2015 **REVISED:** 08/27/2015 **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	PHBPU CON % 06/11/15	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
1A»SHARPEN 2.85L B»ZIDUA SC 4.17	0.022 0.13	LAA LAA	9 9	93	0	89	99	99	99
2A»OPTILL 68WG B OUTLOOK 6EC	0.085 0.47	LAA LAA	9 9	93	0	91	99	98	99
3A»OPTILL 68WG B»ZIDUA 85WG	0.063 0.08	LAA LAA	9 9	93	0	91	99	99	99
4A»OPTILL 68WG B»ZIDUA 85WG	0.085 0.106	LAA LAA	9 9	97	0	98	99	99	99
5A»BAS 96110H 3.5	1.23	LAA	9	81	0	74	99	99	57
6A PROWL H2O 3.8	1.19	LAA	9	33	0	67	99	72	33
7A»FIERCE 76WG	0.214	LAA	9	90	0	98	99	99	99
8A»FIERCE 76WG	0.178	LAA	9	92	0	93	99	99	99
9A»FIERCE XLT B CLASSIC 25WG C»VALOR SX 51WDG D»ZIDUA 85WG	5.25 0.022 0.081 0.102	OMA LAA LAA LAA	0 9 9 9	97	0	98	99	99	99
10A»ANTHEM 2.15SE	0.143	LAA	9	68	0	91	99	99	73
11A»PREFIX 5.32SL	1.33	LAA	9	68	0	96	99	99	47
12A»AUTHORITY XL 7	0.26	LAA	9	94	0	72	99	99	96
13A»RANSOM 68.9WDG	0.52	LAA	9	86	0	75	99	99	99
14A»GLORY 75DF	0.42	LAA	9	37	0	23	99	99	99
15A»OUTFLANK 51WDG	0.096	LAA	9	81	0	67	99	99	78
16A»VALOR XLT 40WG B CLASSIC 25WG C»VALOR SX 51WDG	4.00 0.026 0.074	OMA LAA LAA	0 9 9	90	0	58	99	99	99
17A»AUTHORITY MTZ	0.39	LAA	9	90	0	33	99	99	90
18A CHECK	0.00	NA	0	0	0	0	0	0	0
19A»PUMMEL 5.25L	1.31	LAA	9	73	0	95	99	65	82
20A»LATIR 55WDG	0.146	LAA	9	93	0	93	99	98	99
21A»TORMENT 2.5L	0.31	LAA	9	82	0	81	99	99	94
22A»MATADOR 4.7L	1.47	LAA	9	67	0	89	99	93	92
23A»AUTHOR. ELITE	1.75	LAA	9	92	0	96	99	99	87
24A»SONIC 70DF	0.263	LAA	9	96	0	75	99	96	99
LSD (0.05)				8.40	0.00	12.55	0.00	6.00	8.40
STANDARD DEVIATION				4.20	0.00	6.28	0.00	3.00	4.20

TITLE: Preemergence Soybean Herbicides for Weed Control in RR Soybean I. AS-100
CREATED: 04/25/2015 **REVISED:** 08/27/2015 **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	DOSAGE	PHBPU	CON %
NUM	COMPONENT	RATE	UNIT TM	07/02/15
1A»	SHARPEN 2.85L	0.022	LAA 9	86
B»	ZIDUA SC 4.17	0.13	LAA 9	
2A»	OPTILL 68WG	0.085	LAA 9	90
B	OUTLOOK 6EC	0.47	LAA 9	
3A»	OPTILL 68WG	0.063	LAA 9	90
B»	ZIDUA 85WG	0.08	LAA 9	
4A»	OPTILL 68WG	0.085	LAA 9	97
B»	ZIDUA 85WG	0.106	LAA 9	
5A»	BAS 96110H 3.5	1.23	LAA 9	65
6A	PROWL H2O 3.8	1.19	LAA 9	17
7A»	FIERCE 76WG	0.214	LAA 9	90
8A»	FIERCE 76WG	0.178	LAA 9	92
9A»	FIERCE XLT	5.25	OMA 0	97
B	CLASSIC 25WG	0.022	LAA 9	
C»	VALOR SX 51WDG	0.081	LAA 9	
D»	ZIDUA 85WG	0.102	LAA 9	
10A»	ANTHEM 2.15SE	0.143	LAA 9	57
11A»	PREFIX 5.32SL	1.33	LAA 9	57
12A»	AUTHORITY XL 7	0.26	LAA 9	92
13A»	RANSOM 68.9WDG	0.52	LAA 9	77
14A»	GLORY 75DF	0.42	LAA 9	20
15A»	OUTFLANK 51WDG	0.096	LAA 9	76
16A»	VALOR XLT 40WG	4.00	OMA 0	80
B	CLASSIC 25WG	0.026	LAA 9	
C»	VALOR SX 51WDG	0.074	LAA 9	
17A»	AUTHORITY MTZ	0.39	LAA 9	79
18A	CHECK	0.00	NA 0	0
19A»	PUMMEL 5.25L	1.31	LAA 9	71
20A»	LATIR 55WDG	0.146	LAA 9	93
21A»	TORMENT 2.5L	0.31	LAA 9	82
22A»	MATADOR 4.7L	1.47	LAA 9	68
23A»	AUTHOR. ELITE	1.75	LAA 9	93
24A»	SONIC 70DF	0.263	LAA 9	95
		LSD (0.05)		8.78
		STANDARD DEVIATION		4.39

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = --- / UNTREATED TIMING
 09 = --- / PREEMERGENCE 05/07/2015(1)

TITLE: Preemergence Soybean Herbicides for Weed Control in RR Soybean I. AS-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 %	05/21/2015	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	GLXMA	CON %	05/28/2015	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	SETFA	CON %	05/28/2015	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL	CON %	05/28/2015	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	AMATA	CON %	05/28/2015	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ABUTH	CON %	05/28/2015	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	PHBPU	CON %	05/28/2015	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	GLXMA	CON %	06/11/2015	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	SETFA	CON %	06/11/2015	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	06/11/2015	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	AMATA	CON %	06/11/2015	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	ABUTH	CON %	06/11/2015	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	PHBPU	CON %	06/11/2015	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	GLXMA	CON %	07/02/2015	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	SETFA	CON %	07/02/2015	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	CHEAL	CON %	07/02/2015	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	AMATA	CON %	07/02/2015	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	ABUTH	CON %	07/02/2015	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	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