

SOIL INFORMATION

TEXTURE: SIX
 PH: 6.1
 %OM: 5.5
 PREV.CROP: ZEAMD - CORN, DENT
 %RESIDUE: 0
 PLOT WIDTH: 10 X 30 FEET
 PLOT AREA: 300 FEET

TRIAL INFORMATION

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	UNIT
TIMINGS	09	
TYPE	LIQUID MI	
APPLICATION DATE	05/22/15	AME
AIR TEMPERATURE	77	F
% REL.HUMIDITY	45	
WIND DIRECTION	NORTHEAST	
WIND SPEED	1.0	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	6	
NOZZLE SPACING	20.000	IN
SCREEN SIZE		
SCREEN SZ DESC	NA	
SWATH WIDTH	10.0	FT
SPRAY VOLUME	20.00	
SPRAY VOLUME UNIT	GPA	
PRESSURE	32.00	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	
AG 3231	0.00/0.00	IN
(PLANTED) 05/22/2015	0 DAP	

* TIMING CODES

09 = --- / PREEMERGENCE

* STAGE CODE

01 = BEGINNING OF SEED IMBIBITION

TITLE: Helm Preemergence Mixtures for Weed Control in RR Soybean. AS-400
CREATED: 04/26/2015 **REVISED:** 07/31/2015 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Urbana **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT WIDE X 30.00 FT LONG
PLOT AREA: 300.00 SFT

REPS: 03

TRT TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	TM	GLXMA CON % 06/12/15	SETFA CON % 06/12/15	AMATA CON % 06/12/15	CHEAL CON % 06/12/15	ABUTH CON % 06/12/15	PHBPU CON % 06/12/15
1A SPARTAN 4F	0.104	LAA	9	0	90	97	99	83	65
B»PARALLEL PCS 8	0.935	LAA	9						
2A SPARTAN 4F	0.158	LAA	9	0	98	98	99	94	72
B»PARALLEL PCS 8	1.42	LAA	9						
3A SPARTAN 4F	0.212	LAA	9	0	99	99	99	99	80
B»PARALLEL PCS 8	1.91	LAA	9						
4A»ZONE 70WG	0.1174	LAA	9	0	99	95	99	82	65
B»PARALLEL PCS 8	0.935	LAA	9						
5A»ZONE 70WG	0.1784	LAA	9	0	98	98	99	92	68
B»PARALLEL PCS 8	1.42	LAA	9						
6A»ZONE 70WG	0.2393	LAA	9	0	99	99	99	99	88
B»PARALLEL PCS 8	1.91	LAA	9						
7A»ZONE 70WG	0.219	LAA	9	0	70	93	96	85	75
8A»ZONE 70WG	0.42	LAA	9	0	87	99	99	99	94
9A»AUTHOR. ELITE	1.04	LAA	9	0	94	99	99	63	63
10A»AUTHOR. ELITE	2.12	LAA	9	0	99	99	99	85	86
11A»FIERCE XLT	3.75	OMA	0	0	98	99	99	98	73
B CLASSIC 25WG	0.016	LAA	9						
C VALOR 51WG	0.058	LAA	9						
D»ZIDUA 85WG	0.073	LAA	9						
12A CHECK	0.00	NA	0	0	0	0	0	0	0
13A»FIERCE XLT	5.25	OMA	0	0	99	99	99	99	84
B CLASSIC 25WG	0.0219	LAA	9						
C VALOR 51WG	0.081	LAA	9						
D»ZIDUA 85WG	0.102	LAA	9						
14A»SPARTAN 4L	0.141	LAA	9	0	68	84	99	65	65
15A»SPARTAN 4L	0.375	LAA	9	0	80	99	99	99	92
16A»AUTHORITY MTZ	0.56	LAA	9	0	99	99	99	99	89
B DUAL MAGNUM	1.43	LAA	9						
LSD (0.05)				0.00	7.24	3.41	2.17	5.40	8.27
STANDARD DEVIATION				0.00	3.54	1.67	1.06	2.64	4.00

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LOCATION: Urbana **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT WIDE X 30.00 FT LONG
PLOT AREA: 300.00 SFT

REPS: 03

TRT TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	TM	GLXMA CON % 06/26/15	SETFA CON % 06/26/15	AMATA CON % 06/26/15	CHEAL CON % 06/26/15	ABUTH CON % 06/26/15	PHBPU CON % 06/26/15
1A SPARTAN 4F	0.104	LAA	9	0	89	84	99	78	70
B»PARALLEL PCS 8	0.935	LAA	9						
2A SPARTAN 4F	0.158	LAA	9	0	91	96	99	90	82
B»PARALLEL PCS 8	1.42	LAA	9						
3A SPARTAN 4F	0.212	LAA	9	0	99	99	99	99	91
B»PARALLEL PCS 8	1.91	LAA	9						
4A»ZONE 70WG	0.1174	LAA	9	0	96	89	99	86	78
B»PARALLEL PCS 8	0.935	LAA	9						
5A»ZONE 70WG	0.1784	LAA	9	0	95	97	99	98	82
B»PARALLEL PCS 8	1.42	LAA	9						
6A»ZONE 70WG	0.2393	LAA	9	0	98	98	99	99	92
B»PARALLEL PCS 8	1.91	LAA	9						
7A»ZONE 70WG	0.219	LAA	9	0	65	81	99	90	85
8A»ZONE 70WG	0.42	LAA	9	0	73	99	99	99	97
9A»AUTHOR. ELITE	1.04	LAA	9	0	81	89	99	67	68
10A»AUTHOR. ELITE	2.12	LAA	9	0	98	98	99	90	93
11A»FIERCE XLT	3.75	OMA	0	0	97	99	99	93	75
B CLASSIC 25WG	0.016	LAA	9						
C VALOR 51WG	0.058	LAA	9						
D»ZIDUA 85WG	0.073	LAA	9						
12A CHECK	0.00	NA	0	0	0	0	0	0	0
13A»FIERCE XLT	5.25	OMA	0	0	98	99	99	99	88
B CLASSIC 25WG	0.0219	LAA	9						
C VALOR 51WG	0.081	LAA	9						
D»ZIDUA 85WG	0.102	LAA	9						
14A»SPARTAN 4L	0.141	LAA	9	0	57	60	99	75	72
15A»SPARTAN 4L	0.375	LAA	9	0	73	98	99	99	96
16A»AUTHORITY MTZ	0.56	LAA	9	0	98	99	99	99	93
B DUAL MAGNUM	1.43	LAA	9						
LSD (0.05)				0.00	9.26	11.22	0.00	6.85	5.12
STANDARD DEVIATION				0.00	4.54	5.50	0.00	3.36	2.51

TITLE: Helm Preemergence Mixtures for Weed Control in RR Soybean. AS-400
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LOCATION: Urbana **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT WIDE X 30.00 FT LONG
PLOT AREA: 300.00 SFT

REPS: 03

TRT TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	TM	GLXMA CON % 07/02/15	SETFA CON % 07/02/15	AMATA CON % 07/02/15	CHEAL CON % 07/02/15	ABUTH CON % 07/02/15	PHBPU CON % 07/02/15
1A SPARTAN 4F	0.104	LAA	9	0	88	85	99	75	70
B»PARALLEL PCS 8	0.935	LAA	9						
2A SPARTAN 4F	0.158	LAA	9	0	92	95	99	87	83
B»PARALLEL PCS 8	1.42	LAA	9						
3A SPARTAN 4F	0.212	LAA	9	0	99	99	99	97	91
B»PARALLEL PCS 8	1.91	LAA	9						
4A»ZONE 70WG	0.1174	LAA	9	0	91	85	99	78	75
B»PARALLEL PCS 8	0.935	LAA	9						
5A»ZONE 70WG	0.1784	LAA	9	0	93	98	99	90	80
B»PARALLEL PCS 8	1.42	LAA	9						
6A»ZONE 70WG	0.2393	LAA	9	0	97	98	99	99	90
B»PARALLEL PCS 8	1.91	LAA	9						
7A»ZONE 70WG	0.219	LAA	9	0	53	68	99	75	78
8A»ZONE 70WG	0.42	LAA	9	0	70	99	99	99	96
9A»AUTHOR. ELITE	1.04	LAA	9	0	78	83	99	62	70
10A»AUTHOR. ELITE	2.12	LAA	9	0	98	99	99	84	92
11A»FIERCE XLT	3.75	OMA	0	0	92	99	99	99	80
B CLASSIC 25WG	0.016	LAA	9						
C VALOR 51WG	0.058	LAA	9						
D»ZIDUA 85WG	0.073	LAA	9						
12A CHECK	0.00	NA	0	0	0	0	0	0	0
13A»FIERCE XLT	5.25	OMA	0	0	94	99	99	99	88
B CLASSIC 25WG	0.0219	LAA	9						
C VALOR 51WG	0.081	LAA	9						
D»ZIDUA 85WG	0.102	LAA	9						
14A»SPARTAN 4L	0.141	LAA	9	0	33	55	99	58	58
15A»SPARTAN 4L	0.375	LAA	9	0	65	99	97	99	96
16A»AUTHORITY MTZ	0.56	LAA	9	0	98	99	99	99	92
B DUAL MAGNUM	1.43	LAA	9						
LSD (0.05)				0.00	7.00	12.74	0.834	8.23	5.00
STANDARD DEVIATION				0.00	3.44	6.24	0.408	4.00	2.45

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = --- / UNTREATED TIMING
 09 = --- / PREEMERGENCE 05/22/2015(1)

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 %	06/12/2015	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/12/2015	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMATA	CON %	06/12/2015	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL	CON %	06/12/2015	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	06/12/2015	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	06/12/2015	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	GLXMA	CON %	06/26/2015	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	06/26/2015	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TITLE: Helm Preemergence Mixtures for Weed Control in RR Soybean. AS-400

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C. M	CTRT	SS	NOTE
009	AMATA	CON %	06/26/2015	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	06/26/2015	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ABUTH	CON %	06/26/2015	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	PHBPU	CON %	06/26/2015	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	AMATA	CON %	07/02/2015	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	CHEAL	CON %	07/02/2015	04	P	CHEAL		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 = AG 3231