

SOIL 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

TRIAL INFORMATION

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	UNIT
TIMINGS	09	
TYPE	LIQUID MI	
APPLICATION DATE	05/19/16	AME
TIME - BEGIN	13:00	24H
TIME - END	13:30	24H
AIR TEMPERATURE	71	F
% REL.HUMIDITY	25	
WIND DIRECTION	SOUTH	
WIND SPEED	5.0	M/H
CLOUD COVER	CLEAR-0%	
DEW	TO BE SEL	
SOIL MOISTURE	DRY/MOIST	
SOIL CONDITION	TO BE SEL	
SOIL TEMP/DEPTH	75/4.00	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	0.330	
MIX SIZE UNIT	GAL	
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;soya bea	---/00	
ASGROW AG3334 RR	/	IN
(PLANTED) 05/19/2016	0 DAP	

* TIMING CODES

09 = --- / PREEMERGENCE

* STAGE CODE

00 = DRY SEED

TITLE: Helm Metolachlor+Sulfentrazone Preemergence for Weed Control in RR Soybean. AS-200
CREATED: 04/25/2016 **REVISED:** 07/28/2016 **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 TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	TM	GLXMA CON % 06/03/16	SETFA CON % 06/03/16	AMATA CON % 06/03/16	ABUTH CON % 06/03/16	PHBPU CON % 06/03/16	XANST CON % 06/03/16
1A»HAI METO+SULF1	1.039	LAA	9	0	98	99	91	87	62
2A»HAI METO+SULF1	1.578	LAA	9	0	99	99	96	90	65
3A»HAI METO+SULF1	2.117	LAA	9	0	99	99	99	94	73
4A»PREFIX 5.32SL	1.66	LAA	9	0	98	99	76	70	63
5A»PREFIX 5.32SL B»ZIDUA 85WG	1.66 0.106	LAA LAA	9 9	0	99	99	98	81	62
6A SPARTAN 4F B»ZIDUA 85WG	0.25 0.106	LAA LAA	9 9	0	99	99	99	97	96
7A»AUTHOR. ELITE	1.039	LAA	9	0	99	99	86	79	68
8A»AUTHOR. ELITE	1.578	LAA	9	0	99	99	94	90	80
9A»AUTHOR. ELITE	2.117	LAA	9	0	99	99	99	95	90
10A»FIERCE XLT B VALOR 51WG C CLASSIC 25WG D»ZIDUA 85WG	3.75 0.058 0.0156 0.073	OMA LAA LAA LAA	0 9 9 9	15	99	99	99	77	72
11A»FIERCE XLT B VALOR 51WG C CLASSIC 25WG D»ZIDUA 85WG	5.25 0.081 0.0219 0.102	OMA LAA LAA LAA	0 9 9 9	25	99	99	99	87	78
12A»ZONE 70WG	0.219	LAA	9	0	72	99	88	87	70
13A CHECK	0.00	NA	0	0	0	0	0	0	0
14A»ZONE 70WG B»METRIBUZIN 75D	0.219 0.375	LAA LAA	9 9	0	78	99	97	89	73
LSD (0.05)				2.4	5.4	0.0	8.8	10.3	13.6
STANDARD DEVIATION				1.2	2.6	0.0	4.3	5.0	6.6

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REPS: 03

TRT TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	TM	GLXMA CON % 06/11/16	SETFA CON % 06/11/16	AMATA CON % 06/11/16	ABUTH CON % 06/11/16	PHBPU CON % 06/11/16	XANST CON % 06/11/16
1A»HAI METO+SULF1	1.039	LAA	9	0	93	96	99	83	52
2A»HAI METO+SULF1	1.578	LAA	9	0	96	98	99	79	45
3A»HAI METO+SULF1	2.117	LAA	9	0	98	99	92	90	57
4A»PREFIX 5.32SL	1.66	LAA	9	0	93	99	93	62	53
5A»PREFIX 5.32SL	1.66	LAA	9	0	98	99	99	75	60
B»ZIDUA 85WG	0.106	LAA	9						
6A SPARTAN 4F	0.25	LAA	9	0	99	99	99	92	77
B»ZIDUA 85WG	0.106	LAA	9						
7A»AUTHOR. ELITE	1.039	LAA	9	0	93	96	99	77	63
8A»AUTHOR. ELITE	1.578	LAA	9	0	88	99	86	80	69
9A»AUTHOR. ELITE	2.117	LAA	9	0	99	99	96	92	72
10A»FIERCE XLT	3.75	OMA	0	2	92	99	96	73	67
B VALOR 51WG	0.058	LAA	9						
C CLASSIC 25WG	0.0156	LAA	9						
D»ZIDUA 85WG	0.073	LAA	9						
11A»FIERCE XLT	5.25	OMA	0	12	95	99	99	70	59
B VALOR 51WG	0.081	LAA	9						
C CLASSIC 25WG	0.0219	LAA	9						
D»ZIDUA 85WG	0.102	LAA	9						
12A»ZONE 70WG	0.219	LAA	9	0	63	99	93	82	58
13A CHECK	0.00	NA	0	0	0	0	0	0	0
14A»ZONE 70WG	0.219	LAA	9	0	73	99	88	84	65
B»METRIBUZIN 75D	0.375	LAA	9						
LSD (0.05)				1.9	9.3	3.4	10.3	13.0	22.2
STANDARD DEVIATION				0.9	4.5	1.6	5.0	6.3	10.8

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REPS: 03

TRT TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	TM	GLXMA CON % 06/25/16	SETFA CON % 06/25/16	AMATA CON % 06/25/16	ABUTH CON % 06/25/16	PHBPU CON % 06/25/16	XANST CON % 06/25/16
1A»HAI METO+SULF1	1.039	LAA	9	0	92	96	99	80	37
2A»HAI METO+SULF1	1.578	LAA	9	0	94	99	99	73	27
3A»HAI METO+SULF1	2.117	LAA	9	0	97	99	99	78	42
4A»PREFIX 5.32SL	1.66	LAA	9	0	92	99	91	52	43
5A»PREFIX 5.32SL B»ZIDUA 85WG	1.66 0.106	LAA LAA	9 9	0	95	99	96	60	53
6A SPARTAN 4F B»ZIDUA 85WG	0.25 0.106	LAA LAA	9 9	0	88	99	99	90	57
7A»AUTHOR. ELITE	1.039	LAA	9	0	89	96	99	67	40
8A»AUTHOR. ELITE	1.578	LAA	9	0	79	99	83	76	40
9A»AUTHOR. ELITE	2.117	LAA	9	0	95	99	96	93	50
10A»FIERCE XLT B VALOR 51WG C CLASSIC 25WG D»ZIDUA 85WG	3.75 0.058 0.0156 0.073	OMA LAA LAA LAA	0 9 9 9	0	85	99	96	47	43
11A»FIERCE XLT B VALOR 51WG C CLASSIC 25WG D»ZIDUA 85WG	5.25 0.081 0.0219 0.102	OMA LAA LAA LAA	0 9 9 9	3	83	99	99	45	37
12A»ZONE 70WG	0.219	LAA	9	0	27	99	93	50	43
13A CHECK	0.00	NA	0	0	0	0	0	0	0
14A»ZONE 70WG B»METRIBUZIN 75D	0.219 0.375	LAA LAA	9 9	0	43	96	83	50	40
LSD (0.05)				1.1	11.5	4.0	12.0	22.6	28.8
STANDARD DEVIATION				0.5	5.6	2.0	5.9	11.0	14.0

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PLOT AREA: 225.00 SFT

REPS: 03

TRT TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	TM	GLXMA CON % 07/10/16	SETFA CON % 07/10/16	AMATA CON % 07/10/16	ABUTH CON % 07/10/16	PHBPU CON % 07/10/16	XANST CON % 07/10/16
1A»HAI METO+SULF1	1.039	LAA	9	0	88	94	96	75	17
2A»HAI METO+SULF1	1.578	LAA	9	0	92	99	99	70	3
3A»HAI METO+SULF1	2.117	LAA	9	0	93	99	99	73	20
4A»PREFIX 5.32SL	1.66	LAA	9	0	88	99	88	43	23
5A»PREFIX 5.32SL B»ZIDUA 85WG	1.66 0.106	LAA LAA	9 9	0	93	99	94	47	33
6A SPARTAN 4F B»ZIDUA 85WG	0.25 0.106	LAA LAA	9 9	0	80	99	99	83	33
7A»AUTHOR. ELITE	1.039	LAA	9	0	84	96	99	53	20
8A»AUTHOR. ELITE	1.578	LAA	9	0	69	99	83	68	27
9A»AUTHOR. ELITE	2.117	LAA	9	0	93	99	95	90	33
10A»FIERCE XLT B VALOR 51WG C CLASSIC 25WG D»ZIDUA 85WG	3.75 0.058 0.0156 0.073	OMA LAA LAA LAA	0 9 9 9	0	78	99	94	23	20
11A»FIERCE XLT B VALOR 51WG C CLASSIC 25WG D»ZIDUA 85WG	5.25 0.081 0.0219 0.102	OMA LAA LAA LAA	0 9 9 9	0	74	99	99	27	20
12A»ZONE 70WG	0.219	LAA	9	0	7	99	89	27	17
13A CHECK	0.00	NA	0	0	0	0	0	0	0
14A»ZONE 70WG B»METRIBUZIN 75D	0.219 0.375	LAA LAA	9 9	0	7	93	78	27	17
LSD (0.05)				0.0	16.6	6.6	15.0	28.0	34.2
STANDARD DEVIATION				0.0	8.1	3.2	7.3	13.6	16.6

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = --- / UNTREATED TIMING

09 = --- / PREEMERGENCE 05/19/2016(1)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECI	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	GLXMA	CON %	06/03/2016	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/03/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMATA	CON %	06/03/2016	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ABUTH	CON %	06/03/2016	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	PHBPU	CON %	06/03/2016	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	XANST	CON %	06/03/2016	06	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	GLXMA	CON %	06/11/2016	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	06/11/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	AMATA	CON %	06/11/2016	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	ABUTH	CON %	06/11/2016	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	PHBPU	CON %	06/11/2016	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	XANST	CON %	06/11/2016	06	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	GLXMA	CON %	06/25/2016	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	SETFA	CON %	06/25/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	AMATA	CON %	06/25/2016	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	ABUTH	CON %	06/25/2016	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECI	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
017	PHBPU	CON %	06/25/2016	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	XANST	CON %	06/25/2016	06	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	GLXMA	CON %	07/10/2016	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	SETFA	CON %	07/10/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	AMATA	CON %	07/10/2016	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
022	ABUTH	CON %	07/10/2016	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
023	PHBPU	CON %	07/10/2016	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
024	XANST	CON %	07/10/2016	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