

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	02	UNIT
TIMINGS	09	12	
TYPE	LIQUID MI	LIQUID MI	
APPLICATION DATE	05/22/15	06/28/15	AME
AIR TEMPERATURE	75	81	F
% REL.HUMIDITY	45	61	
WIND DIRECTION	NOT APPLI	SOUTHWEST	
WIND SPEED	0.0	5.0	M/H
CLOUD COVER	CLEAR-0%	PAR.CLOUD	
DEW	NO	YES	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	
SOIL CONDITION	TO BE SEL	TO BE SEL	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACK/	BACKPACK/	
PROPELLANT	COMPRESSE	COMPRESSE	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE DESCRIPTION			
NOZZLE NUMBER	6	6	
NOZZLE SPACING	20.000	20.000	IN
SCREEN SIZE			
SCREEN SZ DESC	NA	NA	
SWATH WIDTH	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	
SPRAY VOLUME UNIT	GPA	GPA	
PRESSURE	32.00	32.00	PSI
DILUENT	WATER	WATER	
INC. DATE			AME
INC. START			24H
INC. END			24H
INC. DEPTH			IN
INC. EQUIPMENT	TO BE SEL	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	DEN / STG MIN / MAX	
CROP *			
P, SOYBEAN		---/17	
AG 3231		14.0/14.0	IN
(PLANTED) 05/22/2015		37 DAP	
PEST *			
P, VELVETLEAF		---/17 3.00/8.00	IN
P, WATERHEMP, COMMO		---/19 4.00/8.00	IN
P, LAMBSQUARTERS, C		---/19 3.00/5.00	IN
P, MORNINGGLORY, TA		---/00 4.00/8.00	IN
P, FOXTAIL, GIANT		---/16 4.00/8.00	IN

* TIMING CODES

09 = --- / PREEMERGENCE

*** TIMING CODES**

12 = --- / POST

*** STAGE CODE**

00 = DRY SEED; DORMANCY
16 = 6 LEAVES UNFOLDED
17 = 7TH LEAF (5TH TRIFOLIATE LEAF) UNFOLDED, 6 NODES
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Helm Metolachlor Preemergence Comparison 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 % 06/04/15	SETFA CON % 06/04/15	AMATA CON % 06/04/15	CHEAL CON % 06/04/15	ABUTH CON % 06/04/15	PHBPU CON % 06/14/15
1A»HAI METOLACHLO	1.00	LAA	9	0	73	67	99	27	20
2A»HAI METOLACHLO	1.33	LAA	9	0	85	75	99	33	20
3A»HAI METOLACHLO	1.67	LAA	9	0	92	87	99	43	27
4A»HAI METOLACHLO	2.00	LAA	9	0	93	95	99	53	33
5A»HAI METOLACHLO	4.00	LAA	9	0	99	99	99	58	43
6A»PARALLEL PCS 8	1.00	LAA	9	0	75	75	99	27	20
7A»PARALLEL PCS 8	1.33	LAA	9	0	82	78	99	30	23
8A»PARALLEL PCS 8	1.66	LAA	9	0	96	95	99	37	27
9A»PARALLEL PCS 8	2.00	LAA	9	0	98	96	99	43	33
10A»PARALLEL PCS 8	4.00	LAA	9	0	99	98	99	62	43
11A»HAI METOLACHLO	1.00	LAA	12	C	C	C	C	C	C
B»HELOS. PLUS AD	1.00	LAA	12						
12A»HAI METOLACHLO	2.00	LAA	12	C	C	C	C	C	C
B»HELOS. PLUS AD	1.00	LAA	12						
13A»HAI METOLACHLO	4.00	LAA	12	C	C	C	C	C	C
B»HELOS. PLUS AD	1.00	LAA	12						
14A CHECK	0.00	NA	0	0	0	0	0	0	0
15A»PARALLEL PCS 8	1.00	LAA	12	C	C	C	C	C	C
B»HELOS. PLUS AD	1.00	LAA	12						
16A»PARALLEL PCS 8	2.00	LAA	12	C	C	C	C	C	C
B»HELOS. PLUS AD	1.00	LAA	12						
17A»PARALLEL PCS 8	4.00	LAA	12	C	C	C	C	C	C
B»HELOS. PLUS AD	1.00	LAA	12						
18A»HAI METOLACHLO	2.00	LAA	12	C	C	C	C	C	C
B REFLEX 2LC	0.294	LAA	12						
C»HELOS. PLUS AD	1.00	LAA	12						
LSD (0.05)				0.00	6.17	6.61	0.00	7.47	6.47
STANDARD DEVIATION				0.00	3.05	3.27	0.00	3.69	3.20

TITLE: Helm Metolachlor Preemergence Comparison 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 % 06/29/15	SETFA CON % 06/29/15	AMATA CON % 06/29/15	CHEAL CON % 06/29/15	ABUTH CON % 06/29/15	PHBPU CON % 06/29/15
1A»HAI METOLACHLO	1.00	LAA	9	0	57	47	99	0	0
2A»HAI METOLACHLO	1.33	LAA	9	0	67	57	99	0	0
3A»HAI METOLACHLO	1.67	LAA	9	0	72	71	99	0	7
4A»HAI METOLACHLO	2.00	LAA	9	0	80	80	99	20	33
5A»HAI METOLACHLO	4.00	LAA	9	0	97	99	99	53	58
6A»PARALLEL PCS 8	1.00	LAA	9	0	50	47	99	0	0
7A»PARALLEL PCS 8	1.33	LAA	9	0	60	58	99	0	0
8A»PARALLEL PCS 8	1.66	LAA	9	0	72	65	99	10	17
9A»PARALLEL PCS 8	2.00	LAA	9	0	90	83	99	20	37
10A»PARALLEL PCS 8	4.00	LAA	9	0	98	97	99	37	62
11A»HAI METOLACHLO	1.00	LAA	12	C	C	C	C	C	C
B»HELOS. PLUS AD	1.00	LAA	12						
12A»HAI METOLACHLO	2.00	LAA	12	C	C	C	C	C	C
B»HELOS. PLUS AD	1.00	LAA	12						
13A»HAI METOLACHLO	4.00	LAA	12	C	C	C	C	C	C
B»HELOS. PLUS AD	1.00	LAA	12						
14A CHECK	0.00	NA	0	0	0	0	0	0	0
15A»PARALLEL PCS 8	1.00	LAA	12	C	C	C	C	C	C
B»HELOS. PLUS AD	1.00	LAA	12						
16A»PARALLEL PCS 8	2.00	LAA	12	C	C	C	C	C	C
B»HELOS. PLUS AD	1.00	LAA	12						
17A»PARALLEL PCS 8	4.00	LAA	12	C	C	C	C	C	C
B»HELOS. PLUS AD	1.00	LAA	12						
18A»HAI METOLACHLO	2.00	LAA	12	C	C	C	C	C	C
B REFLEX 2LC	0.294	LAA	12						
C»HELOS. PLUS AD	1.00	LAA	12						
LSD (0.05)				0.00	10.45	9.32	0.00	5.08	13.40
STANDARD DEVIATION				0.00	5.17	4.61	0.00	2.51	6.63

TITLE: Helm Metolachlor Preemergence Comparison 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 % 07/11/15	SETFA CON % 07/11/15	AMATA CON % 07/11/15	CHEAL CON % 07/11/15	ABUTH CON % 07/11/15	PHBPU CON % 07/11/15
1A»HAI METOLACHLO	1.00	LAA	9	0	33	27	57	0	0
2A»HAI METOLACHLO	1.33	LAA	9	0	47	47	75	0	0
3A»HAI METOLACHLO	1.67	LAA	9	0	62	67	98	13	20
4A»HAI METOLACHLO	2.00	LAA	9	0	78	83	99	22	33
5A»HAI METOLACHLO	4.00	LAA	9	0	96	98	99	47	55
6A»PARALLEL PCS 8	1.00	LAA	9	0	37	33	60	0	0
7A»PARALLEL PCS 8	1.33	LAA	9	0	47	40	70	0	0
8A»PARALLEL PCS 8	1.66	LAA	9	0	65	55	83	0	0
9A»PARALLEL PCS 8	2.00	LAA	9	0	78	70	99	23	23
10A»PARALLEL PCS 8	4.00	LAA	9	0	98	95	99	42	53
11A»HAI METOLACHLO	1.00	LAA	12	0	99	90	99	99	77
B»HELOS. PLUS AD	1.00	LAA	12						
12A»HAI METOLACHLO	2.00	LAA	12	3	99	94	99	99	77
B»HELOS. PLUS AD	1.00	LAA	12						
13A»HAI METOLACHLO	4.00	LAA	12	8	99	95	99	99	83
B»HELOS. PLUS AD	1.00	LAA	12						
14A CHECK	0.00	NA	0	0	0	0	0	0	0
15A»PARALLEL PCS 8	1.00	LAA	12	0	99	89	99	99	78
B»HELOS. PLUS AD	1.00	LAA	12						
16A»PARALLEL PCS 8	2.00	LAA	12	4	99	89	99	99	80
B»HELOS. PLUS AD	1.00	LAA	12						
17A»PARALLEL PCS 8	4.00	LAA	12	11	99	85	99	99	80
B»HELOS. PLUS AD	1.00	LAA	12						
18A»HAI METOLACHLO	2.00	LAA	12	7	99	98	99	99	91
B REFLEX 2LC	0.294	LAA	12						
C»HELOS. PLUS AD	1.00	LAA	12						
LSD (0.05)				1.37	9.64	9.31	5.94	5.71	8.29
STANDARD DEVIATION				0.676	4.77	4.61	2.94	2.83	4.10

» = SUPPLEMENTAL CHEMICAL

---,M,C,D = MISSING DATA

* TIMING CODES

00 = --- / UNTREATED TIMING
 09 = --- / PREEMERGENCE 05/22/2015(1)
 12 = --- / POST 06/28/2015(2)

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 %	06/04/2015	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/04/2015	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMATA	CON %	06/04/2015	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL	CON %	06/04/2015	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	06/04/2015	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	06/14/2015	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	GLXMA	CON %	06/29/2015	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	06/29/2015	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TITLE: Helm Metolachlor Preemergence Comparison 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 %	06/29/2015	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	06/29/2015	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ABUTH	CON %	06/29/2015	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	PHBPU	CON %	06/29/2015	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	GLXMA	CON %	07/11/2015	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	SETFA	CON %	07/11/2015	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	AMATA	CON %	07/11/2015	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	CHEAL	CON %	07/11/2015	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	ABUTH	CON %	07/11/2015	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	PHBPU	CON %	07/11/2015	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = AG 3231