

SOIL INFORMATION

TEXTURE: SIL
 PH: 6.3
 %OM: 3.4
 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	02	UNIT
TIMINGS	09	11	
TYPE	LIQUID MI	LIQUID MI	
APPLICATION DATE	05/16/18	06/15/18	AME
TIME - BEGIN	09:05	10:45	24H
TIME - END	09:20	11:03	24H
AIR TEMPERATURE	66	82	F
% REL.HUMIDITY	78	64	
WIND DIRECTION	NORTHEAST	SOUTHWEST	
WIND SPEED	5.0	5.0	M/H
CLOUD COVER	CLEAR-0%	HAZY SUN-	
DEW	TO BE SEL	NO	
SOIL MOISTURE	DRY/ DRY	MOIST/MOI	
SOIL CONDITION	TO BE SEL	TO BE SEL	
SOIL TEMP/DEPTH	67/4.00	80/4.00	F/IN
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACK/	BACKPACK/	
PROPELLANT	COMPRESSE	COMPRESSE	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE DESCRIPTION			
NOZZLE VOLUME	0.00	0.00	GPM
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SCREEN SIZE			
SCREEN SZ DESC	N/A	N/A	
SWATH WIDTH	7.5	7.5	FT
BOOM HEIGHT	20.0	20.0	IN
SPEED	3.00	3.00	M/H
MIX SIZE	0.330	0.330	
MIX SIZE UNIT	GAL	GAL	
SPRAY VOLUME	20.00	20.00	
SPRAY VOLUME UNIT	GPA	GPA	
PRESSURE	30.00	30.00	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		---/16	
GH3546X RR2XTEND		12.0/14.0	IN
(PLANTED) 05/15/2018		31 DAP	
PEST *			
P, Tall morning glo		---/15 1.00/5.00	IN
P, Giant foxtail		---/14 2.00/8.00	IN
P, Sida, prickly		---/16 0.50/3.00	IN

*** TIMING CODES**

09 = --- / PREEMERGENCE
11 = --- / EPOST

*** STAGE CODE**

14 = 4 LEAVES UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = TRIFOLIOLATE LEAF ON THE 6TH NODE UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: FMC Authority Programs for Weed Control in RR2Xtend Soybean. C-500
CREATED: 04/23/2018 **REVISED:** 08/22/2018 **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			GLXMA	PHBPU	SETFA	SIDSP	GLXMA	PHBPU
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %	CON %	CON %
					05/30/18	05/30/18	05/30/18	05/30/18	06/13/18	06/13/18
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	AUTHORITY FIRS	0.219	LAA	9	0	73	93	98	0	63
	B»RNDUP POWERMAX	1.125	LAA	11						
	C»XTENDIMAX 2.9	0.50	LAA	11						
	D»ONTARGET	0.50	PMV	11						
3A»	AUTHOR. MAXX 6	0.206	LAA	9	0	73	95	99	0	60
	B»RNDUP POWERMAX	1.125	LAA	11						
	C»XTENDIMAX 2.9	0.50	LAA	11						
	D»ONTARGET	0.50	PMV	11						
4A»	AUTHOR. ELITE	1.53	LAA	9	10	78	96	99	5	67
	B»RNDUP POWERMAX	1.125	LAA	11						
	C»XTENDIMAX 2.9	0.50	LAA	11						
	D»ONTARGET	0.50	PMV	11						
5A»	AUTHOR. SUPREM	0.228	LAA	9	10	83	96	99	5	75
	B»RNDUP POWERMAX	1.125	LAA	11						
	C»XTENDIMAX 2.9	0.50	LAA	11						
	D»ONTARGET	0.50	PMV	11						
6A»	AUTHORITY MTZ	0.394	LAA	9	0	70	90	98	0	62
	B»RNDUP POWERMAX	1.125	LAA	11						
	C»XTENDIMAX 2.9	0.50	LAA	11						
	D»ONTARGET	0.50	PMV	11						
7A»	AUTHOR. MAXX 6	0.206	LAA	9	0	86	92	99	0	77
	B»ANTHEM MAXX 4.	0.101	LAA	11						
	C»RNDUP POWERMAX	1.125	LAA	11						
	D»XTENDIMAX 2.9	0.50	LAA	11						
	E»ONTARGET	0.50	PMV	11						
8A»	ZIDUA PRO 4.09	0.192	LAA	9	2	62	87	99	0	57
	B»RNDUP POWERMAX	1.125	LAA	11						
	C»XTENDIMAX 2.9	0.50	LAA	11						
	D»ONTARGET	0.50	PMV	11						
9A»	FIERCE 76WG	0.143	LAA	9	17	62	99	99	5	55
	B»RNDUP POWERMAX	1.125	LAA	11						
	C»XTENDIMAX 2.9	0.50	LAA	11						
	D»ONTARGET	0.50	PMV	11						
10A	BOUNDARY 6.5EC	1.46	LAA	9	10	55	72	99	5	47
	B»RNDUP POWERMAX	1.125	LAA	11						
	C»XTENDIMAX 2.9	0.50	LAA	11						
	D»ONTARGET	0.50	PMV	11						
LSD (0.05)					3.4	24.5	4.2	0.8	0.0	23.9
STANDARD DEVIATION					1.6	11.7	2.0	0.4	0.0	11.4

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PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG
PLOT AREA: 225.00 SFT

REPS: 03

TRT	TREATMENT	DOSAGE	SETFA	SIDSP	GLXMA	PHBPU	SETFA	SIDSP
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %
					06/13/18	06/13/18	07/11/18	07/11/18
1A	CHECK	0.00	NA	0	0	0	0	0
2A	AUTHORITY FIRS	0.219	LAA	9	85	95	0	96
	B»RNDUP POWERMAX	1.125	LAA	11				99
	C»XTENDIMAX 2.9	0.50	LAA	11				
	D»ONTARGET	0.50	PMV	11				
3A»	AUTHOR. MAXX 6	0.206	LAA	9	88	94	0	99
	B»RNDUP POWERMAX	1.125	LAA	11				99
	C»XTENDIMAX 2.9	0.50	LAA	11				
	D»ONTARGET	0.50	PMV	11				
4A»	AUTHOR. ELITE	1.53	LAA	9	90	95	0	94
	B»RNDUP POWERMAX	1.125	LAA	11				98
	C»XTENDIMAX 2.9	0.50	LAA	11				
	D»ONTARGET	0.50	PMV	11				
5A»	AUTHOR. SUPREM	0.228	LAA	9	87	97	0	94
	B»RNDUP POWERMAX	1.125	LAA	11				99
	C»XTENDIMAX 2.9	0.50	LAA	11				
	D»ONTARGET	0.50	PMV	11				
6A»	AUTHORITY MTZ	0.394	LAA	9	80	94	0	93
	B»RNDUP POWERMAX	1.125	LAA	11				96
	C»XTENDIMAX 2.9	0.50	LAA	11				
	D»ONTARGET	0.50	PMV	11				
7A»	AUTHOR. MAXX 6	0.206	LAA	9	85	99	0	94
	B»ANTHEM MAXX 4.	0.101	LAA	11				95
	C»RNDUP POWERMAX	1.125	LAA	11				
	D»XTENDIMAX 2.9	0.50	LAA	11				
	E»ONTARGET	0.50	PMV	11				
8A»	ZIDUA PRO 4.09	0.192	LAA	9	80	93	0	99
	B»RNDUP POWERMAX	1.125	LAA	11				99
	C»XTENDIMAX 2.9	0.50	LAA	11				
	D»ONTARGET	0.50	PMV	11				
9A»	FIERCE 76WG	0.143	LAA	9	95	92	0	96
	B»RNDUP POWERMAX	1.125	LAA	11				98
	C»XTENDIMAX 2.9	0.50	LAA	11				
	D»ONTARGET	0.50	PMV	11				
10A	BOUNDARY 6.5EC	1.46	LAA	9	67	99	0	98
	B»RNDUP POWERMAX	1.125	LAA	11				99
	C»XTENDIMAX 2.9	0.50	LAA	11				
	D»ONTARGET	0.50	PMV	11				
	LSL (0.05)				5.9	4.0	0.0	3.7
	STANDARD DEVIATION				2.8	1.9	0.0	1.8

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = --- / UNTREATED TIMING
 09 = --- / PREEMERGENCE 05/16/2018(1)
 11 = --- / EPOST 06/15/2018(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 %	05/30/2018	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	PHBPU	CON %	05/30/2018	02	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	SETFA	CON %	05/30/2018	03	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	SIDSP	CON %	05/30/2018	04	P	SIDSP		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
005	GLXMA	CON %	06/13/2018	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	06/13/2018	02	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	06/13/2018	03	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SIDSP	CON %	06/13/2018	04	P	SIDSP		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	GLXMA	CON %	07/11/2018	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	PHBPU	CON %	07/11/2018	02	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	SETFA	CON %	07/11/2018	03	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	SIDSP	CON %	07/11/2018	04	P	SIDSP		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = GH3546X RR2XTEND