

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	06/14/18	AME
TIME - BEGIN	09:30	14:55	24H
TIME - END	10:13	15:30	24H
AIR TEMPERATURE	70	81	F
% REL.HUMIDITY	84	40	
WIND DIRECTION	EAST	SOUTHEAST	
WIND SPEED	4.0	5.0	M/H
CLOUD COVER	PAR.CLOUD	OVERCAST-	
DEW	TO BE SEL	NO	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	
SOIL CONDITION	TO BE SEL	TO BE SEL	
SOIL TEMP/DEPTH	66/4.00	84/4.00	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		12.0/12.0	IN
(PLANTED) 05/15/2018		30 DAP	
PEST *			
P, Velvetleaf		---/15	
		3.00/8.00	IN
P, Ragweed, common		---/16	
		3.00/6.00	IN
P, Tall morning glo		---/14	
		0.05/6.00	IN

*** CONTINUE

SPECIE AND STAGE	DEN / STG	DEN / STG	
	MIN / MAX	MIN / MAX	
PEST * P, Giant foxtail		---/14 2.00/8.00	IN

* TIMING CODES

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

* STAGE CODE

14 = 4 LEAVES UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS 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: Weed Control Systems in RR2Y Xtend Soybean. C-500
CREATED: 04/24/2018 **REVISED:** 11/02/2018 **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	SETFA	ABUTH	AMBEL	PHBPU	GLXMA
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %
					06/06/18	06/06/18	06/06/18	06/27/18
1A	BOUNDARY 6.5EC	1.63	LAA	9	1	89	66	99
	B»FLEXSTAR GT 3.	1.23	LAA	11				10
	C»MSO	1.00	PMV	11				
	D»LIQUID AMS	2.50	PMV	11				
2A	BOUNDARY 6.5EC	1.63	LAA	9	0	81	76	96
	B»PREFIX 5.32SL	1.32	LAA	11				10
	C»RNDUP POWERMAX	0.91	LAA	11				
	D»LIQUID AMS	2.50	PMV	11				
3A	BOUNDARY 6.5EC	1.63	LAA	9	0	86	69	99
	B»TAVIUM 3.39AE	1.50	LAA	11				10
	C»RNDUP POWERMAX	0.91	LAA	11				
	D»CLASS ACT RIDI	1.00	PMV	11				
	E»INTACT	0.50	PMV	11				
4A	BOUNDARY 6.5EC	1.63	LAA	9	1	88	71	95
	B»PREFIX 5.32SL	1.32	LAA	11				12
	C»XTENDIMAX 2.9	0.50	LAA	11				
	D»RNDUP POWERMAX	0.91	LAA	11				
	E»CLASS ACT RIDI	1.00	PMV	11				
	F»INTACT	0.50	PMV	11				
5A»	SONIC 70DF	0.197	LAA	9	0	50	81	99
	B»DURANGO 4AE	1.125	LAA	11				57
	C»LIQUID AMS	2.50	PMV	11				
6A»	SONIC 70DF	0.263	LAA	9	0	47	91	99
	B»DURANGO 4AE	1.125	LAA	11				68
	C»LIQUID AMS	2.50	PMV	11				
7A»	SONIC 70DF	0.197	LAA	9	0	53	81	99
	B»DURANGO 4AE	1.125	LAA	11				58
	C»EVERPREX 7.62E	0.95	LAA	11				
	D»LIQUID AMS	2.50	PMV	11				
8A»	ENLITE 47.86WG	3.50	OMA	0	23	68	99	99
	B VALOR 51WG	0.079	LAA	9				43
	C CLASSIC 25WG	0.0062	LAA	9				
	D»HARMONY 50SG	0.0193	LAA	9				
	E»DURANGO 4AE	1.125	LAA	11				
	F»EVERPREX 7.62E	0.95	LAA	11				
	G»LIQUID AMS	2.50	PMV	11				
9A»	TRIVENCE 61.3W	6.00	OMA	0	6	67	99	99
	B VALOR 51WG	0.048	LAA	9				28
	C CLASSIC 25WG	0.0146	LAA	9				
	D»TRICOR 75DF	0.167	LAA	9				
	E»DURANGO 4AE	1.125	LAA	11				
	F»EVERPREX 7.62E	0.95	LAA	11				
	G»LIQUID AMS	2.50	PMV	11				
10A»	SURVEIL 48WG	0.126	LAA	9	37	77	99	99
	B»DURANGO 4AE	0.75	LAA	11				75
	C»LIQUID AMS	2.50	PMV	11				
11A	CANOPY 75WG	0.105	LAA	9	0	27	96	99
	B»EVERPREX 7.62E	1.27	LAA	9				20
	C»DURANGO 4AE	1.125	LAA	11				
	D»EVERPREX 7.62E	0.95	LAA	11				
	E»LIQUID AMS	2.50	PMV	11				
12A	CHECK	0.00	NA	0	0	0	0	0
13A»	AUTHOR. SUPREM	0.228	LAA	9	0	86	99	99
	B»XTENDIMAX 2.9	0.50	LAA	11				30
	C»RNDUP POWERMAX	1.125	LAA	11				
	D»INTACT	0.50	PMV	11				

TITLE: Weed Control Systems in RR2Y Xtend Soybean. C-500

TRT	TREATMENT	DOSAGE			GLXMA	SETFA	ABUTH	AMBEL	PHBPU	GLXMA
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %	CON %	CON %
					06/06/18	06/06/18	06/06/18	06/06/18	06/06/18	06/27/18
14A»	ZIDUA PRO 4.09	0.144	LAA	9	0	80	99	99	23	0
	B»ENGENIA 5L	0.50	LAA	11						
	C»RNDUP POWERMAX	1.125	LAA	11						
	D»INTACT	0.50	PMV	11						
15A»	FIERCENTZ 2.64	0.33	LAA	9	23	56	99	99	63	0
	B»XTENDIMAX 2.9	0.50	LAA	11						
	C»RNDUP POWERMAX	1.125	LAA	11						
	D»INTACT	0.50	PMV	11						
16A»	BROADAXE XC 7L	1.37	LAA	9	1	89	99	99	57	0
	B»METRIBUZIN 75D	0.28	LAA	9						
	C»FLEXSTAR GT 3.	1.23	LAA	11						
	D»MSO	1.00	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
LSD (0.05)					2.4	20.5	34.4	2.8	12.6	0.9
STANDARD DEVIATION					1.2	10.0	16.9	1.4	6.2	0.5

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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	SETFA	ABUTH	AMBEL	PHBPU	GLXMA	SETFA		
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %		
					06/27/18	06/27/18	06/27/18	06/27/18		
								07/12/18		
								07/12/18		
1A	BOUNDARY 6.5EC	1.63	LAA	9	99	99	99	93	0	99
B»	FLEXSTAR GT 3.	1.23	LAA	11						
C»	MSO	1.00	PMV	11						
D»	LIQUID AMS	2.50	PMV	11						
2A	BOUNDARY 6.5EC	1.63	LAA	9	99	99	99	82	0	99
B»	PREFIX 5.32SL	1.32	LAA	11						
C»	RNDUP POWERMAX	0.91	LAA	11						
D»	LIQUID AMS	2.50	PMV	11						
3A	BOUNDARY 6.5EC	1.63	LAA	9	99	99	99	96	0	99
B»	TAVIUM 3.39AE	1.50	LAA	11						
C»	RNDUP POWERMAX	0.91	LAA	11						
D»	CLASS ACT RIDI	1.00	PMV	11						
E»	INTACT	0.50	PMV	11						
4A	BOUNDARY 6.5EC	1.63	LAA	9	99	99	99	98	0	99
B»	PREFIX 5.32SL	1.32	LAA	11						
C»	XTENDIMAX 2.9	0.50	LAA	11						
D»	RNDUP POWERMAX	0.91	LAA	11						
E»	CLASS ACT RIDI	1.00	PMV	11						
F»	INTACT	0.50	PMV	11						
5A»	SONIC 70DF	0.197	LAA	9	99	99	99	83	0	99
B»	DURANGO 4AE	1.125	LAA	11						
C»	LIQUID AMS	2.50	PMV	11						
6A»	SONIC 70DF	0.263	LAA	9	99	99	99	91	0	99
B»	DURANGO 4AE	1.125	LAA	11						
C»	LIQUID AMS	2.50	PMV	11						
7A»	SONIC 70DF	0.197	LAA	9	99	99	99	82	0	99
B»	DURANGO 4AE	1.125	LAA	11						
C»	EVERPREX 7.62E	0.95	LAA	11						
D»	LIQUID AMS	2.50	PMV	11						
8A»	ENLITE 47.86WG	3.50	OMA	0	99	99	99	84	0	99
B	VALOR 51WG	0.079	LAA	9						
C	CLASSIC 25WG	0.0062	LAA	9						
D»	HARMONY 50SG	0.0193	LAA	9						
E»	DURANGO 4AE	1.125	LAA	11						
F»	EVERPREX 7.62E	0.95	LAA	11						
G»	LIQUID AMS	2.50	PMV	11						
9A»	TRIVENCE 61.3W	6.00	OMA	0	99	99	99	68	0	99
B	VALOR 51WG	0.048	LAA	9						
C	CLASSIC 25WG	0.0146	LAA	9						
D»	TRICOR 75DF	0.167	LAA	9						
E»	DURANGO 4AE	1.125	LAA	11						
F»	EVERPREX 7.62E	0.95	LAA	11						
G»	LIQUID AMS	2.50	PMV	11						
10A»	SURVEIL 48WG	0.126	LAA	9	99	99	99	88	0	99
B»	DURANGO 4AE	0.75	LAA	11						
C»	LIQUID AMS	2.50	PMV	11						
11A	CANOPY 75WG	0.105	LAA	9	99	99	99	48	0	99
B»	EVERPREX 7.62E	1.27	LAA	9						
C»	DURANGO 4AE	1.125	LAA	11						
D»	EVERPREX 7.62E	0.95	LAA	11						
E»	LIQUID AMS	2.50	PMV	11						
12A	CHECK	0.00	NA	0	0	0	0	0	0	0
13A»	AUTHOR. SUPREM	0.228	LAA	9	99	99	99	96	0	99
B»	XTENDIMAX 2.9	0.50	LAA	11						
C»	RNDUP POWERMAX	1.125	LAA	11						
D»	INTACT	0.50	PMV	11						

TITLE: Weed Control Systems in RR2Y Xtend Soybean. C-500

TRT	TREATMENT	DOSAGE			SETFA	ABUTH	AMBEL	PHBPU	GLXMA	SETFA
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %	CON %	CON %
					06/27/18	06/27/18	06/27/18	06/27/18	07/12/18	07/12/18
14A»	ZIDUA PRO 4.09	0.144	LAA	9	99	99	99	99	0	99
	B»ENGENIA 5L	0.50	LAA	11						
	C»RNDUP POWERMAX	1.125	LAA	11						
	D»INTACT	0.50	PMV	11						
15A»	FIERCENTZ 2.64	0.33	LAA	9	99	99	99	99	0	99
	B»XTENDIMAX 2.9	0.50	LAA	11						
	C»RNDUP POWERMAX	1.125	LAA	11						
	D»INTACT	0.50	PMV	11						
16A»	BROADAXE XC 7L	1.37	LAA	9	99	99	99	98	0	99
	B»METRIBUZIN 75D	0.28	LAA	9						
	C»FLEXSTAR GT 3.	1.23	LAA	11						
	D»MSO	1.00	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
		LSD (0.05)			0.0	0.0	0.0	6.0	0.0	0.0
		STANDARD DEVIATION			0.0	0.0	0.0	3.0	0.0	0.0

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CREATED: 04/24/2018 **REVISED:** 11/02/2018 **COMPLETED:** N
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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	ABUTH	AMBEL	PHBPU	YIELD		
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	BU/A
					07/12/18	07/12/18	07/12/18	10/04/18
1A	BOUNDARY 6.5EC	1.63	LAA	9	99	99	96	76
	B»FLEXSTAR GT 3.	1.23	LAA	11				
	C»MSO	1.00	PMV	11				
	D»LIQUID AMS	2.50	PMV	11				
2A	BOUNDARY 6.5EC	1.63	LAA	9	99	99	94	64
	B»PREFIX 5.32SL	1.32	LAA	11				
	C»RNDUP POWERMAX	0.91	LAA	11				
	D»LIQUID AMS	2.50	PMV	11				
3A	BOUNDARY 6.5EC	1.63	LAA	9	99	99	99	65
	B»TAVIUM 3.39AE	1.50	LAA	11				
	C»RNDUP POWERMAX	0.91	LAA	11				
	D»CLASS ACT RIDI	1.00	PMV	11				
	E»INTACT	0.50	PMV	11				
4A	BOUNDARY 6.5EC	1.63	LAA	9	99	99	99	67
	B»PREFIX 5.32SL	1.32	LAA	11				
	C»XTENDIMAX 2.9	0.50	LAA	11				
	D»RNDUP POWERMAX	0.91	LAA	11				
	E»CLASS ACT RIDI	1.00	PMV	11				
	F»INTACT	0.50	PMV	11				
5A»	SONIC 70DF	0.197	LAA	9	99	99	94	74
	B»DURANGO 4AE	1.125	LAA	11				
	C»LIQUID AMS	2.50	PMV	11				
6A»	SONIC 70DF	0.263	LAA	9	99	99	95	71
	B»DURANGO 4AE	1.125	LAA	11				
	C»LIQUID AMS	2.50	PMV	11				
7A»	SONIC 70DF	0.197	LAA	9	99	99	91	72
	B»DURANGO 4AE	1.125	LAA	11				
	C»EVERPREX 7.62E	0.95	LAA	11				
	D»LIQUID AMS	2.50	PMV	11				
8A»	ENLITE 47.86WG	3.50	OMA	0	99	99	95	65
	B VALOR 51WG	0.079	LAA	9				
	C CLASSIC 25WG	0.0062	LAA	9				
	D»HARMONY 50SG	0.0193	LAA	9				
	E»DURANGO 4AE	1.125	LAA	11				
	F»EVERPREX 7.62E	0.95	LAA	11				
	G»LIQUID AMS	2.50	PMV	11				
9A»	TRIVENCE 61.3W	6.00	OMA	0	99	99	94	66
	B VALOR 51WG	0.048	LAA	9				
	C CLASSIC 25WG	0.0146	LAA	9				
	D»TRICOR 75DF	0.167	LAA	9				
	E»DURANGO 4AE	1.125	LAA	11				
	F»EVERPREX 7.62E	0.95	LAA	11				
	G»LIQUID AMS	2.50	PMV	11				
10A»	SURVEIL 48WG	0.126	LAA	9	99	99	95	65
	B»DURANGO 4AE	0.75	LAA	11				
	C»LIQUID AMS	2.50	PMV	11				
11A	CANOPY 75WG	0.105	LAA	9	99	99	93	68
	B»EVERPREX 7.62E	1.27	LAA	9				
	C»DURANGO 4AE	1.125	LAA	11				
	D»EVERPREX 7.62E	0.95	LAA	11				
	E»LIQUID AMS	2.50	PMV	11				
12A	CHECK	0.00	NA	0	0	0	0	20
13A»	AUTHOR. SUPREM	0.228	LAA	9	99	99	99	65
	B»XTENDIMAX 2.9	0.50	LAA	11				
	C»RNDUP POWERMAX	1.125	LAA	11				
	D»INTACT	0.50	PMV	11				

TITLE: Weed Control Systems in RR2Y Xtend Soybean. C-500

TRT	TREATMENT	DOSAGE		ABUTH	AMBEL	PHBPU	YIELD	
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	BU/A
					07/12/18	07/12/18	07/12/18	10/04/18
14A»	ZIDUA PRO 4.09	0.144	LAA	9	99	99	99	69
	B»ENGENIA 5L	0.50	LAA	11				
	C»RNDUP POWERMAX	1.125	LAA	11				
	D»INTACT	0.50	PMV	11				
15A»	FIERCEMTZ 2.64	0.33	LAA	9	99	99	99	67
	B»XTENDIMAX 2.9	0.50	LAA	11				
	C»RNDUP POWERMAX	1.125	LAA	11				
	D»INTACT	0.50	PMV	11				
16A»	BROADAXE XC 7L	1.37	LAA	9	99	99	96	67
	B»METRIBUZIN 75D	0.28	LAA	9				
	C»FLEXSTAR GT 3.	1.23	LAA	11				
	D»MSO	1.00	PMV	11				
	E»LIQUID AMS	2.50	PMV	11				
		LSD (0.05)			0.0	0.0	2.8	9.6
		STANDARD DEVIATION			0.0	0.0	1.4	4.7

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = --- / UNTREATED TIMING
09 = --- / PREEMERGENCE 05/16/2018(1)
11 = --- / EPOST 06/14/2018(2)

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 %	06/06/2018	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/06/2018	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	ABUTH	CON %	06/06/2018	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMBEL	CON %	06/06/2018	04	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	PHBPU	CON %	06/06/2018	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	GLXMA	CON %	06/27/2018	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	06/27/2018	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ABUTH	CON %	06/27/2018	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	AMBEL	CON %	06/27/2018	04	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	PHBPU	CON %	06/27/2018	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	GLXMA	CON %	07/12/2018	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	SETFA	CON %	07/12/2018	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	ABUTH	CON %	07/12/2018	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	AMBEL	CON %	07/12/2018	04	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	PHBPU	CON %	07/12/2018	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	YIELD	BU/A	10/04/2018	01	P	GLXMA		RAW	ALL	YLD	BU	---	1.00 A	NO	0001	0	N

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

01 = GH3546X RR2XTEND