APPLICATIONS

SOIL INFORMATION

TEXTURE: SIX
PH: 6.0
%OM: 3.7
PREV.CROP: GLXMA - Soybean
%RESIDUE: 0
PLOT WIDTH: 7.5 X 30 FEET
PLOT AREA: 225 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3

APPL. NUMBER	01	02	03	UNIT
TIMINGS	00 09	11	12	
TYPE	LIQUID MI	LIQUID MI	LIQUID MI	
APPLICATION DATE	06/06/19	07/06/19	07/23/19	AME
TIME - BEGIN	16:05	13:35	11:40	24H
TIME - END	16:20	13:45	11:45	24H
AIR TEMPERATURE	88	88	83	F
% REL.HUMIDITY	42	70	41	
WIND DIRECTION	NORTHEAST	WEST	NORTH	
WIND SPEED	2.0	2.0	5.0	M/H
CLOUD COVER	CLOUDY-~6	PAR.CLOUD	PAR.CLOUD	
DEW	NO	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	TO BE SEL	TO BE SEL	TO BE SEL	
SOIL TEMP/DEPTH	78/4.00	82/4.00	76/4.00	F/IN
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACK/	BACKPACK/	BACKPACK/	
PROPELLANT	COMPRESSE	COMPRESSE	COMPRESSE	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE DESCRIPTION				
NOZZLE VOLUME	0.00	0.00	0.00	GPM
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SCREEN SIZE				
SCREEN SZ DESC	N/A	N/A	N/A	
SWATH WIDTH	7.5	7.5	7.5	FT
BOOM HEIGHT	20.0	20.0	20.0	IN
SPEED	3.00	3.00	3.00	M/H
MIX SIZE	0.330	0.330	0.330	
MIX SIZE UNIT	GAL	GAL	GAL	
SPRAY VOLUME	20.00	20.00	20.00	
SPRAY VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	
INC. DATE				AME
INC. START				24H
INC. END				24H
INC. DEPTH				IN
INC. EQUIPMENT	TO BE SEL	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	DEN / STG MIN / MAX	
CROP *				
P, Soybean		---/15	---/63	
P 5030017-12		10.0/10.0	15.0/15.0	IN
(PLANTED) 06/06/2019		30 DAP	47 DAP	
PEST *				
P, Waterhemp, commo		---/19	---/19	
		2.00/5.00	4.00/10.0	IN
P, Tall morning glo		---/19	---/19	
		/	3.00/6.00	IN

*** TIMING CODES**
00 = --- / UNTREATED TIMING

*** TIMING CODES**
09 = --- / PREEMERGENCE
11 = --- / EPOST
12 = --- / POST

*** STAGE CODE**
15 = TRIFOLIOLATE LEAF ON THE 5TH NODE UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
63 = 30% OF FLOWERS OPEN (DETERMINATE)

DATA MEAN

TITLE: Weed Control Systems in Enlist E3 Soybeans. Lost 40
CREATED: 04/08/2019 **REVISED:** 10/29/2019 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: URBANA **RESEARCHED BY:**
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT **WIDE X** 30.00 FT **LONG**
PLOT AREA: 225.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	GLXMA CON % 07/09/19	AMATA CON % 07/09/19	PHBPU CON % 07/09/19	GLXMA CON % 07/12/19	AMATA CON % 07/12/19	PHBPU CON % 07/12/19
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	»VERDICT 5.57L	0.218	LAA	9	0	95	93	0	95	97
B	»ENLIST DUO 3.3	1.46	LAA	11						
3A	»VERDICT 5.57L	0.218	LAA	9	0	96	86	0	98	96
B	»LIBERTY 2.34L	0.585	LAA	11						
C	»RNDUP POWERMAX	1.125	LAA	11						
D	»LIQUID AMS	2.50	PMV	11						
4A	»VERDICT 5.57L	0.218	LAA	9	0	96	95	0	98	98
B	»LIBERTY 2.34L	0.585	LAA	11						
C	»ENLIST ONE 3.8	0.7125	LAA	11						
D	»LIQUID AMS	2.50	PMV	11						
5A	»VERDICT 5.57L	0.218	LAA	9	0	95	92	0	96	96
B	»LIBERTY 2.34L	0.585	LAA	11						
C	»ENLIST ONE 3.8	0.7125	LAA	11						
D	»RNDUP POWERMAX	1.125	LAA	11						
E	»LIQUID AMS	2.50	PMV	11						
6A	»VERDICT 5.57L	0.218	LAA	9	0	96	88	0	98	98
B	»LIBERTY 2.34L	0.585	LAA	11						
C	»RNDUP POWERMAX	1.125	LAA	11						
D	»LIQUID AMS	2.50	PMV	11						
E	»ENLIST DUO 3.3	1.46	LAA	12						
7A	»VERDICT 5.57L	0.218	LAA	9	0	96	95	0	96	98
B	»ENLIST DUO 3.3	1.46	LAA	11						
C	»LIBERTY 2.34L	0.585	LAA	12						
D	»RNDUP POWERMAX	1.125	LAA	12						
E	»LIQUID AMS	2.50	PMV	12						
8A	CHECK	0.00	NA	0	0	0	0	0	0	0
	LSD (0.05)				0.0	2.2	4.5	0.0	2.3	2.1
	STANDARD DEVIATION				0.0	1.0	2.1	0.0	1.1	1.0

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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 NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	GLXMA CON % 07/20/19	AMATA CON % 07/20/19	PHBPU CON % 07/20/19	GLXMA CON % 07/26/19	AMATA CON % 07/26/19	PHBPU CON % 07/26/19
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	»VERDICT 5.57L	0.218	LAA	9	0	97	99	0	97	99
B	»ENLIST DUO 3.3	1.46	LAA	11						
3A	»VERDICT 5.57L	0.218	LAA	9	0	98	99	0	98	98
B	»LIBERTY 2.34L	0.585	LAA	11						
C	»RNDUP POWERMAX	1.125	LAA	11						
D	»LIQUID AMS	2.50	PMV	11						
4A	»VERDICT 5.57L	0.218	LAA	9	0	99	98	0	99	98
B	»LIBERTY 2.34L	0.585	LAA	11						
C	»ENLIST ONE 3.8	0.7125	LAA	11						
D	»LIQUID AMS	2.50	PMV	11						
5A	»VERDICT 5.57L	0.218	LAA	9	0	98	99	0	96	98
B	»LIBERTY 2.34L	0.585	LAA	11						
C	»ENLIST ONE 3.8	0.7125	LAA	11						
D	»RNDUP POWERMAX	1.125	LAA	11						
E	»LIQUID AMS	2.50	PMV	11						
6A	»VERDICT 5.57L	0.218	LAA	9	0	97	98	0	98	99
B	»LIBERTY 2.34L	0.585	LAA	11						
C	»RNDUP POWERMAX	1.125	LAA	11						
D	»LIQUID AMS	2.50	PMV	11						
E	»ENLIST DUO 3.3	1.46	LAA	12						
7A	»VERDICT 5.57L	0.218	LAA	9	0	96	98	0	96	98
B	»ENLIST DUO 3.3	1.46	LAA	11						
C	»LIBERTY 2.34L	0.585	LAA	12						
D	»RNDUP POWERMAX	1.125	LAA	12						
E	»LIQUID AMS	2.50	PMV	12						
8A	CHECK	0.00	NA	0	0	0	0	0	0	0
	LSD (0.05)				0.0	2.4	1.3	0.0	2.9	1.4
	STANDARD DEVIATION				0.0	1.1	0.6	0.0	1.3	0.7

DATA MEAN

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LOCATION: URBANA **RESEARCHED BY:**
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT **WIDE X** 30.00 FT **LONG**
PLOT AREA: 225.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	GLXMA CON % 07/30/19	AMATA CON % 07/30/19	PHBPU CON % 07/30/19	GLXMA CON % 08/05/19	AMATA CON % 08/05/19	PHBPU CON % 08/05/19
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	»VERDICT 5.57L	0.218	LAA	9	0	95	99	0	98	66
B	»ENLIST DUO 3.3	1.46	LAA	11						
3A	»VERDICT 5.57L	0.218	LAA	9	0	98	98	0	99	98
B	»LIBERTY 2.34L	0.585	LAA	11						
C	»RNDUP POWERMAX	1.125	LAA	11						
D	»LIQUID AMS	2.50	PMV	11						
4A	»VERDICT 5.57L	0.218	LAA	9	0	99	98	0	99	99
B	»LIBERTY 2.34L	0.585	LAA	11						
C	»ENLIST ONE 3.8	0.7125	LAA	11						
D	»LIQUID AMS	2.50	PMV	11						
5A	»VERDICT 5.57L	0.218	LAA	9	0	96	98	0	99	98
B	»LIBERTY 2.34L	0.585	LAA	11						
C	»ENLIST ONE 3.8	0.7125	LAA	11						
D	»RNDUP POWERMAX	1.125	LAA	11						
E	»LIQUID AMS	2.50	PMV	11						
6A	»VERDICT 5.57L	0.218	LAA	9	0	99	99	0	99	98
B	»LIBERTY 2.34L	0.585	LAA	11						
C	»RNDUP POWERMAX	1.125	LAA	11						
D	»LIQUID AMS	2.50	PMV	11						
E	»ENLIST DUO 3.3	1.46	LAA	12						
7A	»VERDICT 5.57L	0.218	LAA	9	0	98	98	0	98	99
B	»ENLIST DUO 3.3	1.46	LAA	11						
C	»LIBERTY 2.34L	0.585	LAA	12						
D	»RNDUP POWERMAX	1.125	LAA	12						
E	»LIQUID AMS	2.50	PMV	12						
8A	CHECK	0.00	NA	0	0	0	0	0	0	0
	LSD (0.05)				0.0	3.4	1.4	0.0	1.0	30.3
	STANDARD DEVIATION				0.0	1.6	0.7	0.0	0.5	14.1

DATA MEAN

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LOCATION: URBANA **RESEARCHED BY:**
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT **WIDE X** 30.00 FT **LONG**
PLOT AREA: 225.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	GLXMA CON % 08/20/19	AMATA CON % 08/20/19	PHBPU CON % 08/20/19
1A	CHECK	0.00	NA	0	0	0	0
2A	»VERDICT 5.57L	0.218	LAA	9	0	96	98
B	»ENLIST DUO 3.3	1.46	LAA	11			
3A	»VERDICT 5.57L	0.218	LAA	9	0	98	98
B	»LIBERTY 2.34L	0.585	LAA	11			
C	»RNDUP POWERMAX	1.125	LAA	11			
D	»LIQUID AMS	2.50	PMV	11			
4A	»VERDICT 5.57L	0.218	LAA	9	0	99	99
B	»LIBERTY 2.34L	0.585	LAA	11			
C	»ENLIST ONE 3.8	0.7125	LAA	11			
D	»LIQUID AMS	2.50	PMV	11			
5A	»VERDICT 5.57L	0.218	LAA	9	0	99	98
B	»LIBERTY 2.34L	0.585	LAA	11			
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6A	»VERDICT 5.57L	0.218	LAA	9	0	98	99
B	»LIBERTY 2.34L	0.585	LAA	11			
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D	»LIQUID AMS	2.50	PMV	11			
E	»ENLIST DUO 3.3	1.46	LAA	12			
7A	»VERDICT 5.57L	0.218	LAA	9	0	99	98
B	»ENLIST DUO 3.3	1.46	LAA	11			
C	»LIBERTY 2.34L	0.585	LAA	12			
D	»RNDUP POWERMAX	1.125	LAA	12			
E	»LIQUID AMS	2.50	PMV	12			
8A	CHECK	0.00	NA	0	0	0	0
	LSD (0.05)				0.0	2.1	1.9
	STANDARD DEVIATION				0.0	1.0	0.9

» **= SUPPLEMENTAL CHEMICAL**

*** TIMING CODES**
00 = --- / UNTREATED TIMING 06/06/2019(1)
09 = --- / PREEMERGENCE 06/06/2019(1)
11 = --- / EPOST 07/06/2019(2)
12 = --- / POST 07/23/2019(3)

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 %	07/09/2019	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	AMATA	CON %	07/09/2019	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	PHBPU	CON %	07/09/2019	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	GLXMA	CON %	07/12/2019	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	AMATA	CON %	07/12/2019	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	07/12/2019	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	GLXMA	CON %	07/20/2019	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMATA	CON %	07/20/2019	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	PHBPU	CON %	07/20/2019	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	GLXMA	CON %	07/26/2019	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	AMATA	CON %	07/26/2019	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	PHBPU	CON %	07/26/2019	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	GLXMA	CON %	07/30/2019	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	AMATA	CON %	07/30/2019	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	PHBPU	CON %	07/30/2019	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	GLXMA	CON %	08/05/2019	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TITLE: Weed Control Systems in Enlist E3 Soybeans. Lost 40

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
017	AMATA	CON %	08/05/2019	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	PHBPU	CON %	08/05/2019	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	GLXMA	CON %	08/20/2019	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	AMATA	CON %	08/20/2019	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	PHBPU	CON %	08/20/2019	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

*** SPECIES COMMON NAME - VARIETY/SPECIE INFO (IF APPLICABLE)**
01 = P 5030017-12