

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: CL
 PH:
 %OM: 0.0
 PREV.CROP: ZEAMD - Dent corn
 %RESIDUE: 0
 PLOT WIDTH: 7.5 X 30 FEET
 PLOT AREA: 225 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	09	11	
TYPE	LIQUID MI	LIQUID MI	
APPLICATION DATE	05/11/20	06/11/20	AME
TIME - BEGIN	14:30	12:00	24H
TIME - END	15:10	12:30	24H
AIR TEMPERATURE	55	82	F
% REL.HUMIDITY	45	35	
WIND DIRECTION	WEST	WEST	
WIND SPEED	6.0	6.0	M/H
CLOUD COVER	CLOUDY--6	CLEAR-0%	
DEW	TO BE SEL	NO	
SOIL MOISTURE	DRY/MOIST	DRY/ DRY	
SOIL CONDITION	TO BE SEL	TO BE SEL	
SOIL TEMP/DEPTH	55/4.00	76/4.00	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		---/14	
MERSCHMAN HAYES		4.00/6.00	IN
(PLANTED) 05/11/2020		31 DAP	
PEST *			
P, Velvetleaf		---/14	
		2.00/4.00	IN
P, Waterhemp, commo		---/17	
		1.00/3.00	IN
P, Giant foxtail		---/12	
		2.00/4.00	IN

*** TIMING CODES**

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

*** STAGE CODE**

12 = 2 LEAVES UNFOLDED
14 = TRIFOLIOLATE LEAF ON THE 4TH NODE UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Weed Control Systems in Enlist E3 Soybean.
CREATED: 05/07/2020 **REVISED:** 11/20/2020 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Perry **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			GLXMA	AMATA	SETFA	ABUTH	CHEAL	GLXMA
		RATE	UNIT	TM	CON % 06/11/20	CON % 06/11/20	CON % 06/11/20	CON % 06/11/20	CON % 06/11/20	CON % 06/23/20
1A	DUAL MAGNUM 7.5	2.00	PMA	9	1	98	99	80	99	2
B	METRIBUZIN 75D	6.00	OMA	9						
C	ENLIST ONE 3.8	2.00	PMA	11						
D	SEQUENCE 5.25E	4.00	PMA	11						
E	REQUEST	0.50	PMV	11						
2A	BOUNDARY 6.5EC	1.50	PMA	9	0	98	98	20	99	2
B	ENLIST ONE 3.8	2.00	PMA	11						
C	RNDUP POWERMAX	32.00	ZMA	11						
D	REQUEST	0.50	PMV	11						
3A	BOUNDARY 6.5EC	1.50	PMA	9	0	98	98	43	99	0
B	ENLIST ONE 3.8	2.00	PMA	11						
C	SEQUENCE 5.25E	2.75	PMA	11						
D	REQUEST	0.50	PMV	11						
4A	BOUNDARY 6.5EC	1.50	PMA	9	0	98	97	33	99	1
B	ENLIST ONE 3.8	2.00	PMA	11						
C	SEQUENCE 5.25E	4.00	PMA	11						
D	REQUEST	0.50	PMV	11						
5A	BOUNDARY 6.5EC	2.00	PMA	9	0	99	98	57	99	0
B	ENLIST ONE 3.8	2.00	PMA	11						
C	RNDUP POWERMAX	32.00	ZMA	11						
D	REQUEST	0.50	PMV	11						
6A	BOUNDARY 6.5EC	2.00	PMA	9	1	98	97	23	99	0
B	ENLIST ONE 3.8	2.00	PMA	11						
C	SEQUENCE 5.25E	2.75	PMA	11						
D	REQUEST	0.50	PMV	11						
7A	BOUNDARY 6.5EC	2.00	PMA	9	0	98	98	55	99	0
B	ENLIST ONE 3.8	2.00	PMA	11						
C	SEQUENCE 5.25E	4.00	PMA	11						
D	REQUEST	0.50	PMV	11						
8A	PREFIX 5.29EC	2.00	PMA	9	0	98	98	98	99	2
B	CANOPY BLEND 5	2.90	OMA	0						
C	CLASSIC 25WG	0.015	LAA	9						
D	METRIBUZIN 75D	0.0906	LAA	9						
E	ENLIST ONE 3.8	2.00	PMA	11						
F	SEQUENCE 5.25E	4.00	PMA	11						
G	REQUEST	0.50	PMV	11						
9A	ZIDUA PRO 4.09	6.00	ZMA	9	0	99	98	99	99	0
B	ENLIST ONE 3.8	2.00	PMA	11						
C	OUTLOOK 6EC	10.00	ZMA	11						
D	RNDUP POWERMAX	32.00	ZMA	11						
E	REQUEST	0.50	PMV	11						
10A	ZIDUA PRO 4.09	4.50	ZMA	9	0	97	98	98	99	3
B	ENLIST DUO 3.3	3.50	PMA	11						
C	ZIDUA SC 4.17	2.50	ZMA	11						
11A	ZIDUA PRO 4.09	4.50	ZMA	9	0	98	97	99	99	1
B	LIBERTY 2.34L	32.00	ZMA	11						
C	RNDUP POWERMAX	32.00	ZMA	11						
D	ZIDUA SC 4.17	2.50	ZMA	11						
E	LIQUID AMS	5.00	PMV	11						
12A	ZIDUA PRO 4.09	4.50	ZMA	9	0	98	97	98	99	1
B	LIBERTY 2.34L	32.00	ZMA	11						
C	ENLIST ONE 3.8	2.00	PMA	11						
D	ZIDUA SC 4.17	2.50	ZMA	11						
E	LIQUID AMS	5.00	PMV	11						
13A	CHECK	0.00	NA	0	0	0	0	0	0	0

TITLE: Weed Control Systems in Enlist E3 Soybean.

TRT NUM	TREATMENT COMPONENT	DOSAGE			GLXMA	AMATA	SETFA	ABUTH	CHEAL	GLXMA
		RATE	UNIT	TM	CON % 06/11/20	CON % 06/11/20	CON % 06/11/20	CON % 06/11/20	CON % 06/11/20	CON % 06/23/20
14A»	SONIC 70DF	4.50	OMA	9	0	98	50	90	99	0
	B»ENLIST ONE 3.8	2.00	PMA	11						
	C»DURANGO 4AE	32.00	ZMA	11						
	D»LIQUID AMS	2.50	PMV	11						
15A»	FIERCE EZ 3.04	6.00	ZMA	9	0	98	80	53	99	5
	B»RNDUP POWERMAX	32.00	ZMA	11						
	C»ENLIST ONE 3.8	1.00	PMA	11						
	D»PERPETUO 2.3L	6.00	ZMA	11						
	E»INDUCE	0.25	PMV	11						
	F»LIQUID AMS	2.50	PMV	11						
16A»	PERPETUO 2.3L	6.00	ZMA	11	C	C	C	C	C	7
	B»SCOUT 2.34SL	32.00	ZMA	11						
	C»ENLIST ONE 3.8	1.50	PMA	11						
	D»LIQUID AMS	2.50	PMV	11						
		LSD (0.05)			0.7	1.5	4.2	17.7	0.0	2.9
		STANDARD DEVIATION			0.3	0.7	2.1	8.7	0.0	1.4

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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			AMATA	SETFA	ABUTH	CHEAL	GLXMA	AMATA
		RATE	UNIT	TM	CON % 06/23/20	CON % 06/23/20	CON % 06/23/20	CON % 06/23/20	CON % 07/10/20	CON % 07/10/20
1A	DUAL MAGNUM 7.	2.00	PMA	9	99	99	98	99	0	98
B	METRIBUZIN 75D	6.00	OMA	9						
C	ENLIST ONE 3.8	2.00	PMA	11						
D	SEQUENCE 5.25E	4.00	PMA	11						
E	REQUEST	0.50	PMV	11						
2A	BOUNDARY 6.5EC	1.50	PMA	9	99	98	95	99	1	95
B	ENLIST ONE 3.8	2.00	PMA	11						
C	RNDUP POWERMAX	32.00	ZMA	11						
D	REQUEST	0.50	PMV	11						
3A	BOUNDARY 6.5EC	1.50	PMA	9	99	99	92	99	1	98
B	ENLIST ONE 3.8	2.00	PMA	11						
C	SEQUENCE 5.25E	2.75	PMA	11						
D	REQUEST	0.50	PMV	11						
4A	BOUNDARY 6.5EC	1.50	PMA	9	99	99	97	99	0	98
B	ENLIST ONE 3.8	2.00	PMA	11						
C	SEQUENCE 5.25E	4.00	PMA	11						
D	REQUEST	0.50	PMV	11						
5A	BOUNDARY 6.5EC	2.00	PMA	9	99	99	98	99	0	98
B	ENLIST ONE 3.8	2.00	PMA	11						
C	RNDUP POWERMAX	32.00	ZMA	11						
D	REQUEST	0.50	PMV	11						
6A	BOUNDARY 6.5EC	2.00	PMA	9	99	99	96	99	0	98
B	ENLIST ONE 3.8	2.00	PMA	11						
C	SEQUENCE 5.25E	2.75	PMA	11						
D	REQUEST	0.50	PMV	11						
7A	BOUNDARY 6.5EC	2.00	PMA	9	98	96	99	99	0	97
B	ENLIST ONE 3.8	2.00	PMA	11						
C	SEQUENCE 5.25E	4.00	PMA	11						
D	REQUEST	0.50	PMV	11						
8A	PREFIX 5.29EC	2.00	PMA	9	99	99	99	99	0	98
B	CANOPY BLEND 5	2.90	OMA	0						
C	CLASSIC 25WG	0.015	LAA	9						
D	METRIBUZIN 75D	0.0906	LAA	9						
E	ENLIST ONE 3.8	2.00	PMA	11						
F	SEQUENCE 5.25E	4.00	PMA	11						
G	REQUEST	0.50	PMV	11						
9A	ZIDUA PRO 4.09	6.00	ZMA	9	99	99	98	99	0	96
B	ENLIST ONE 3.8	2.00	PMA	11						
C	OUTLOOK 6EC	10.00	ZMA	11						
D	RNDUP POWERMAX	32.00	ZMA	11						
E	REQUEST	0.50	PMV	11						
10A	ZIDUA PRO 4.09	4.50	ZMA	9	99	99	99	99	0	96
B	ENLIST DUO 3.3	3.50	PMA	11						
C	ZIDUA SC 4.17	2.50	ZMA	11						
11A	ZIDUA PRO 4.09	4.50	ZMA	9	99	99	99	99	0	98
B	LIBERTY 2.34L	32.00	ZMA	11						
C	RNDUP POWERMAX	32.00	ZMA	11						
D	ZIDUA SC 4.17	2.50	ZMA	11						
E	LIQUID AMS	5.00	PMV	11						
12A	ZIDUA PRO 4.09	4.50	ZMA	9	99	97	99	99	0	98
B	LIBERTY 2.34L	32.00	ZMA	11						
C	ENLIST ONE 3.8	2.00	PMA	11						
D	ZIDUA SC 4.17	2.50	ZMA	11						
E	LIQUID AMS	5.00	PMV	11						
13A	CHECK	0.00	NA	0	0	0	0	0	0	0

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TRT NUM	TREATMENT COMPONENT	DOSAGE			AMATA	SETFA	ABUTH	CHEAL	GLXMA	AMATA	
		RATE	UNIT	TM	CON % 06/23/20	CON % 06/23/20	CON % 06/23/20	CON % 06/23/20	CON % 07/10/20	CON % 07/10/20	
14A»	SONIC 70DF	4.50	OMA	9	99	98	99	99	0	98	
	B»ENLIST ONE 3.8	2.00	PMA	11							
	C»DURANGO 4AE	32.00	ZMA	11							
	D»LIQUID AMS	2.50	PMV	11							
15A»	FIERCE EZ 3.04	6.00	ZMA	9	99	98	99	99	0	98	
	B»RNDUP POWERMAX	32.00	ZMA	11							
	C»ENLIST ONE 3.8	1.00	PMA	11							
	D»PERPETUO 2.3L	6.00	ZMA	11							
	E»INDUCE	0.25	PMV	11							
	F»LIQUID AMS	2.50	PMV	11							
16A»	PERPETUO 2.3L	6.00	ZMA	11	98	89	99	99	0	97	
	B»SCOUT 2.34SL	32.00	ZMA	11							
	C»ENLIST ONE 3.8	1.50	PMA	11							
	D»LIQUID AMS	2.50	PMV	11							
					LSD (0.05)	0.7	2.4	3.1	0.0	1.0	1.5
					STANDARD DEVIATION	0.3	1.2	1.5	0.0	0.5	0.7

TITLE: Weed Control Systems in Enlist E3 Soybean.
CREATED: 05/07/2020 **REVISED:** 11/20/2020 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Perry **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			SETFA	ABUTH	CHEAL	GLXMA
		RATE	UNIT	TM	CON % 07/10/20	CON % 07/10/20	CON % 07/10/20	CON % 10/22/20
1A	DUAL MAGNUM 7.	2.00	PMA	9	98	97	99	75.1
B	METRIBUZIN 75D	6.00	OMA	9				
C	ENLIST ONE 3.8	2.00	PMA	11				
D	SEQUENCE 5.25E	4.00	PMA	11				
E	REQUEST	0.50	PMV	11				
2A	BOUNDARY 6.5EC	1.50	PMA	9	72	60	99	64.8
B	ENLIST ONE 3.8	2.00	PMA	11				
C	RNDUP POWERMAX	32.00	ZMA	11				
D	REQUEST	0.50	PMV	11				
3A	BOUNDARY 6.5EC	1.50	PMA	9	98	73	99	68.4
B	ENLIST ONE 3.8	2.00	PMA	11				
C	SEQUENCE 5.25E	2.75	PMA	11				
D	REQUEST	0.50	PMV	11				
4A	BOUNDARY 6.5EC	1.50	PMA	9	98	70	99	70.2
B	ENLIST ONE 3.8	2.00	PMA	11				
C	SEQUENCE 5.25E	4.00	PMA	11				
D	REQUEST	0.50	PMV	11				
5A	BOUNDARY 6.5EC	2.00	PMA	9	95	95	99	73.4
B	ENLIST ONE 3.8	2.00	PMA	11				
C	RNDUP POWERMAX	32.00	ZMA	11				
D	REQUEST	0.50	PMV	11				
6A	BOUNDARY 6.5EC	2.00	PMA	9	85	83	99	65.7
B	ENLIST ONE 3.8	2.00	PMA	11				
C	SEQUENCE 5.25E	2.75	PMA	11				
D	REQUEST	0.50	PMV	11				
7A	BOUNDARY 6.5EC	2.00	PMA	9	97	98	99	72.8
B	ENLIST ONE 3.8	2.00	PMA	11				
C	SEQUENCE 5.25E	4.00	PMA	11				
D	REQUEST	0.50	PMV	11				
8A	PREFIX 5.29EC	2.00	PMA	9	98	98	99	68.3
B	CANOPY BLEND 5	2.90	OMA	0				
C	CLASSIC 25WG	0.015	LAA	9				
D	METRIBUZIN 75D	0.0906	LAA	9				
E	ENLIST ONE 3.8	2.00	PMA	11				
F	SEQUENCE 5.25E	4.00	PMA	11				
G	REQUEST	0.50	PMV	11				
9A	ZIDUA PRO 4.09	6.00	ZMA	9	97	97	99	71.7
B	ENLIST ONE 3.8	2.00	PMA	11				
C	OUTLOOK 6EC	10.00	ZMA	11				
D	RNDUP POWERMAX	32.00	ZMA	11				
E	REQUEST	0.50	PMV	11				
10A	ZIDUA PRO 4.09	4.50	ZMA	9	96	96	99	74.9
B	ENLIST DUO 3.3	3.50	PMA	11				
C	ZIDUA SC 4.17	2.50	ZMA	11				
11A	ZIDUA PRO 4.09	4.50	ZMA	9	95	96	99	71.8
B	LIBERTY 2.34L	32.00	ZMA	11				
C	RNDUP POWERMAX	32.00	ZMA	11				
D	ZIDUA SC 4.17	2.50	ZMA	11				
E	LIQUID AMS	5.00	PMV	11				
12A	ZIDUA PRO 4.09	4.50	ZMA	9	94	98	99	69.8
B	LIBERTY 2.34L	32.00	ZMA	11				
C	ENLIST ONE 3.8	2.00	PMA	11				
D	ZIDUA SC 4.17	2.50	ZMA	11				
E	LIQUID AMS	5.00	PMV	11				
13A	CHECK	0.00	NA	0	0	0	0	12.0

TITLE: Weed Control Systems in Enlist E3 Soybean.

TRT NUM	TREATMENT COMPONENT	DOSAGE			SETFA	ABUTH	CHEAL	GLXMA
		RATE	UNIT	TM	CON % 07/10/20	CON % 07/10/20	CON % 07/10/20	CON % 10/22/20
14A	SONIC 70DF	4.50	OMA	9	73	85	99	68.7
	B>ENLIST ONE 3.8	2.00	PMA	11				
	C>DURANGO 4AE	32.00	ZMA	11				
	D>LIQUID AMS	2.50	PMV	11				
15A	FIERCE EZ 3.04	6.00	ZMA	9	82	85	99	68.9
	B>RNDUP POWERMAX	32.00	ZMA	11				
	C>ENLIST ONE 3.8	1.00	PMA	11				
	D>PERPETUO 2.3L	6.00	ZMA	11				
	E>INDUCE	0.25	PMV	11				
	F>LIQUID AMS	2.50	PMV	11				
16A	PERPETUO 2.3L	6.00	ZMA	11	63	97	99	61.0
	B>SCOUT 2.34SL	32.00	ZMA	11				
	C>ENLIST ONE 3.8	1.50	PMA	11				
	D>LIQUID AMS	2.50	PMV	11				
		LSD (0.05)			4.1	4.4	0.0	8.77
		STANDARD DEVIATION			2.0	2.1	0.0	4.30

>> = SUPPLEMENTAL CHEMICAL

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

* TIMING CODES

00 = --- / UNTREATED TIMING
09 = --- / PREEMERGENCE 05/11/2020 (1)
11 = --- / EPOST 06/11/2020 (2)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR1	SS	NOTE
001	GLXMA	CON %	06/11/2020	01	P	GLXMA	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	AMATA	CON %	06/11/2020	02	P	AMATA	17	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	SETFA	CON %	06/11/2020	03	P	SETFA	12	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ABUTH	CON %	06/11/2020	04	P	ABUTH	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	CHEAL	CON %	06/11/2020	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	GLXMA	CON %	06/23/2020	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	AMATA	CON %	06/23/2020	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	06/23/2020	03	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ABUTH	CON %	06/23/2020	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	06/23/2020	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	GLXMA	CON %	07/10/2020	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	AMATA	CON %	07/10/2020	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	SETFA	CON %	07/10/2020	03	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	ABUTH	CON %	07/10/2020	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	CHEAL	CON %	07/10/2020	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	GLXMA	CON %	10/22/2020	01	P	GLXMA		RAW	ALL	YLD	BU	---	1.00 A	NO	0001	0	N

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

01 = MERSCHMAN HAYES 2034E

* STAGE CODE

12 = 2 LEAVES UNFOLDED
14 = TRIFOLIOLATE LEAF ON THE 4TH NODE UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED