APPLICATIONS

SOIL INFORMATION

TEXTURE: SIX
PH: 6.0
%OM: 3.7
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	UNIT
TIMINGS	09	
TYPE	LIQUID MI	
APPLICATION DATE	06/06/19	AME
TIME - BEGIN	13:50	24H
TIME - END	14:25	24H
AIR TEMPERATURE	89	F
% REL.HUMIDITY	48	
WIND DIRECTION	EAST	
WIND SPEED	5.0	M/H
CLOUD COVER	PAR.CLOUD	
DEW	NO	
SOIL MOISTURE	DRY/MOIST	
SOIL CONDITION	TO BE SEL	
SOIL TEMP/DEPTH	82/4.00	F/IN
METHOD	SPRAY	
EQUIPMENT	BACKPACK/	
PROPELLANT	COMPRESSE	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE DESCRIPTION		
NOZZLE VOLUME	0.00	GPM
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SCREEN SIZE		
SCREEN SZ DESC	N/A	
SWATH WIDTH	7.5	FT
BOOM HEIGHT	20.0	IN
SPEED	3.00	M/H
MIX SIZE	0.330	
MIX SIZE UNIT	GAL	
SPRAY VOLUME	20.00	
SPRAY VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
INC. DATE		AME
INC. START		24H
INC. END		24H
INC. DEPTH		IN
INC. EQUIPMENT	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	
CROP *		
P, Soybean	---/00	
CZ 3601LL	/	IN
(PLANTED) 06/06/2019	0 DAP	

*** TIMING CODES**
09 = --- / PREEMERGENCE

*** STAGE CODE**
00 = DRY SEED

TITLE: Soybean Row Spacing Comparison with Herbicides to Manage PPO-R amaranthus Species. Lost 40
CREATED: 04/09/2019 **REVISED:** 11/12/2019 **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 % 06/20/19	SETFA CON % 06/20/19	AMATA CON % 06/20/19	ABUTH CON % 06/20/19	PHBPU CON % 06/20/19	GLXMA CON % 07/05/19
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
B	»30" ROWS	0.00	NA	0						
2A	»SPARTAN 4L	0.19	LAA	9	0	80	95	83	47	0
B	»30" ROWS	0.00	NA	0						
3A	»ANTHEM MAXX 4.	0.109	LAA	9	0	98	94	77	53	0
B	»30" ROWS	0.00	NA	0						
4A	»VHP58-002 4.25	0.299	LAA	9	0	99	99	99	81	0
B	»30" ROWS	0.00	NA	0						
5A	DUAL II MAGNUM	0.985	LAA	9	0	96	92	60	50	0
B	»30" ROWS	0.00	NA	0						
6A	»METRIBUZIN 75D	0.234	LAA	9	0	53	93	40	17	0
B	»30" ROWS	0.00	NA	0						
7A	BOUNDARY 6.5EC	1.22	LAA	9	0	99	99	63	30	0
B	»30" ROWS	0.00	NA	0						
8A	»AUTHOR. ELITE	1.37	LAA	9	0	99	99	84	33	0
B	»30" ROWS	0.00	NA	0						
9A	CHECK	0.00	NA	0	0	0	0	0	0	0
B	»15" ROWS	0.00	NA	0						
10A	»SPARTAN 4L	0.19	LAA	9	0	85	92	88	68	0
B	»15" ROWS	0.00	NA	0						
11A	»ANTHEM MAXX 4.	0.109	LAA	9	0	99	94	86	30	0
B	»15" ROWS	0.00	NA	0						
12A	»VHP58-002 4.25	0.299	LAA	9	0	99	99	98	85	0
B	»15" ROWS	0.00	NA	0						
13A	DUAL II MAGNUM	0.985	LAA	9	0	96	88	30	20	0
B	»15" ROWS	0.00	NA	0						
14A	»METRIBUZIN 75D	0.234	LAA	9	0	67	96	50	30	0
B	»15" ROWS	0.00	NA	0						
15A	BOUNDARY 6.5EC	1.22	LAA	9	0	99	96	83	53	0
B	»15" ROWS	0.00	NA	0						
16A	»AUTHOR. ELITE	1.37	LAA	9	0	99	98	88	73	0
B	»15" ROWS	0.00	NA	0						
	LSD (0.05)				0.0	8.5	5.4	15.3	19.5	0.0
	STANDARD DEVIATION				0.0	4.2	2.6	7.5	9.6	0.0

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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	SETFA CON % 07/05/19	AMATA CON % 07/05/19	ABUTH CON % 07/05/19	PHBPU CON % 07/05/19	GLXMA CON % 08/02/19	SETFA CON % 08/02/19
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
B	»30" ROWS	0.00	NA	0						
2A	»SPARTAN 4L	0.19	LAA	9	77	78	67	60	0	72
B	»30" ROWS	0.00	NA	0						
3A	»ANTHEM MAXX 4.	0.109	LAA	9	98	86	60	40	0	98
B	»30" ROWS	0.00	NA	0						
4A	»VHP58-002 4.25	0.299	LAA	9	99	97	98	89	0	99
B	»30" ROWS	0.00	NA	0						
5A	DUAL II MAGNUM	0.985	LAA	9	98	53	43	43	0	90
B	»30" ROWS	0.00	NA	0						
6A	»METRIBUZIN 75D	0.234	LAA	9	33	80	37	23	0	37
B	»30" ROWS	0.00	NA	0						
7A	BOUNDARY 6.5EC	1.22	LAA	9	98	95	50	20	0	92
B	»30" ROWS	0.00	NA	0						
8A	»AUTHOR. ELITE	1.37	LAA	9	99	86	70	50	0	93
B	»30" ROWS	0.00	NA	0						
9A	CHECK	0.00	NA	0	0	0	0	0	0	0
B	»15" ROWS	0.00	NA	0						
10A	»SPARTAN 4L	0.19	LAA	9	68	60	67	70	0	72
B	»15" ROWS	0.00	NA	0						
11A	»ANTHEM MAXX 4.	0.109	LAA	9	95	75	67	50	0	98
B	»15" ROWS	0.00	NA	0						
12A	»VHP58-002 4.25	0.299	LAA	9	97	97	97	94	0	99
B	»15" ROWS	0.00	NA	0						
13A	DUAL II MAGNUM	0.985	LAA	9	98	43	27	17	0	99
B	»15" ROWS	0.00	NA	0						
14A	»METRIBUZIN 75D	0.234	LAA	9	50	81	57	20	0	70
B	»15" ROWS	0.00	NA	0						
15A	BOUNDARY 6.5EC	1.22	LAA	9	98	91	47	30	0	99
B	»15" ROWS	0.00	NA	0						
16A	»AUTHOR. ELITE	1.37	LAA	9	97	88	75	80	0	95
B	»15" ROWS	0.00	NA	0						
	LSD (0.05)				6.8	14.9	13.4	19.5	0.0	6.8
	STANDARD DEVIATION				3.3	7.3	6.6	9.6	0.0	3.3

TITLE: Soybean Row Spacing Comparison with Herbicides to Manage PPO-R amaranthus Species. Lost 40
CREATED: 04/09/2019 **REVISED:** 11/12/2019 **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	AMATA CON % 08/02/19	ABUTH CON % 08/02/19	PHBPU CON % 08/02/19	DATE OF 4"WEEDS 08/08/19	DATE OF CANOPY 08/08/19	YIELD BU/A 11/06/19
1A	CHECK	0.00	NA	0	0	0	0	623	812	74.5
	B»30" ROWS	0.00	NA	0						
2A	»SPARTAN 4L	0.19	LAA	9	62	60	30	701	812	82.4
	B»30" ROWS	0.00	NA	0						
3A	»ANTHEM MAXX 4.	0.109	LAA	9	77	73	57	703	809	85.1
	B»30" ROWS	0.00	NA	0						
4A	»VHP58-002 4.25	0.299	LAA	9	92	87	72	707	808	82.2
	B»30" ROWS	0.00	NA	0						
5A	DUAL II MAGNUM	0.985	LAA	9	37	30	17	702	810	86.9
	B»30" ROWS	0.00	NA	0						
6A	»METRIBUZIN 75D	0.234	LAA	9	60	37	20	677	812	77.9
	B»30" ROWS	0.00	NA	0						
7A	BOUNDARY 6.5EC	1.22	LAA	9	81	43	20	703	810	85.4
	B»30" ROWS	0.00	NA	0						
8A	»AUTHOR. ELITE	1.37	LAA	9	76	60	33	703	811	75.9
	B»30" ROWS	0.00	NA	0						
9A	CHECK	0.00	NA	0	0	0	0	625	721	64.8
	B»15" ROWS	0.00	NA	0						
10A	»SPARTAN 4L	0.19	LAA	9	65	73	58	702	719	78.5
	B»15" ROWS	0.00	NA	0						
11A	»ANTHEM MAXX 4.	0.109	LAA	9	72	82	53	702	719	74.3
	B»15" ROWS	0.00	NA	0						
12A	»VHP58-002 4.25	0.299	LAA	9	92	87	82	707	720	80.2
	B»15" ROWS	0.00	NA	0						
13A	DUAL II MAGNUM	0.985	LAA	9	43	30	13	678	719	69.8
	B»15" ROWS	0.00	NA	0						
14A	»METRIBUZIN 75D	0.234	LAA	9	77	40	27	702	719	75.0
	B»15" ROWS	0.00	NA	0						
15A	BOUNDARY 6.5EC	1.22	LAA	9	79	63	37	702	719	78.3
	B»15" ROWS	0.00	NA	0						
16A	»AUTHOR. ELITE	1.37	LAA	9	83	75	60	703	720	80.1
	B»15" ROWS	0.00	NA	0						
	LSD (0.05)				12.5	14.0	14.1	24.6	2.4	9.42
	STANDARD DEVIATION				6.1	6.9	6.9	12.1	1.2	4.61

» **= SUPPLEMENTAL CHEMICAL**

*** TIMING CODES**
00 = --- / UNTREATED TIMING
09 = --- / PREEMERGENCE 06/06/2019(1)

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 %	06/20/2019	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/20/2019	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMATA	CON %	06/20/2019	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ABUTH	CON %	06/20/2019	04	P	ABUTH		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	CTRT	SS	NOTE
005	PHBPU	CON %	06/20/2019	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	GLXMA	CON %	07/05/2019	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	07/05/2019	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMATA	CON %	07/05/2019	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ABUTH	CON %	07/05/2019	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	PHBPU	CON %	07/05/2019	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	GLXMA	CON %	08/02/2019	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	SETFA	CON %	08/02/2019	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	AMATA	CON %	08/02/2019	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	ABUTH	CON %	08/02/2019	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	PHBPU	CON %	08/02/2019	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	DATE OF	4"WEEDS	08/08/2019	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	DATE OF	CANOPY	08/08/2019	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	YIELD	BU/A	11/06/2019	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

*** SPECIES COMMON NAME - VARIETY/SPECIE INFO (IF APPLICABLE)**
01 = CZ 3601LL