

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.6
 %OM: 4.7
 PREV.CROP: GLXMA - soybean;soya bean;soybean
 %RESIDUE: 0
 PLOT WIDTH: 7.5 X 30 FEET
 PLOT AREA: 225 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	UNIT
TIMINGS	11	
TYPE	LIQUID MI	
APPLICATION DATE	05/18/16	AME
TIME - BEGIN	11:00	24H
TIME - END	11:30	24H
AIR TEMPERATURE	62	F
% REL.HUMIDITY	52	
WIND DIRECTION	NORTH	
WIND SPEED	4.0	M/H
CLOUD COVER	CLEAR-0%	
DEW	NO	
SOIL MOISTURE	MOIST/MOI	
SOIL CONDITION	TO BE SEL	
SOIL TEMP/DEPTH	56/4.00	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	NA	
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, dent corn	---/12	
N68K-3111A	4.00/5.00	IN
(PLANTED) 04/19/2016	29 DAP	
PEST *		
P, velvetleaf;velve	---/12	
	1.00/2.00	IN
P, tall amaranth;co	---/13	
	0.50/0.50	IN
P, common lambsquar	---/15	
	0.50/1.50	IN

*** CONTINUE

SPECIE AND STAGE	DEN / STG	
	MIN / MAX	
PEST *		
P, common morning g	---/11 1.00/2.00	IN
P, giant foxtail;no	---/12 1.00/3.00	IN
P, beach cocklebur;	---/12 1.00/3.00	IN

* TIMING CODES

11 = --- / EPOST

* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2 LEAVES UNFOLDED
12 = 2 LEAVES UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Armezon Pro Tank-Mix Partners for Weed Control Systems in RR/LL Corn. AS-100
CREATED: 04/11/2016 **REVISED:** 01/06/2017 **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 NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	CHEAL	AMATA	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 05/27/16	CON % 05/27/16	CON % 05/27/16	CON % 05/27/16	CON % 05/27/16	CON % 05/27/16
1A»	ARMEZON PRO 5.	0.67	LAA	11	1	92	99	99	99	96
B	ATRAZINE DF	0.50	LAA	11						
C»	COC	1.00	PMV	11						
D»	LIQUID AMS	2.50	PMV	11						
2A»	ARMEZON PRO 5.	0.67	LAA	11	1	97	99	99	99	99
B	ATRAZINE DF	0.50	LAA	11						
C»	RNDUP POWERMAX	0.56	LAA	11						
D»	COC	1.00	PMV	11						
E»	LIQUID AMS	2.50	PMV	11						
3A»	ARMEZON PRO 5.	0.67	LAA	11	0	98	99	99	99	99
B	ATRAZINE DF	0.50	LAA	11						
C»	RNDUP POWERMAX	1.125	LAA	11						
D»	COC	1.00	PMV	11						
E»	LIQUID AMS	2.50	PMV	11						
4A»	ARMEZON PRO 5.	0.67	LAA	11	0	98	99	99	99	98
B	CLARITY	0.1875	LAA	11						
C»	RNDUP POWERMAX	1.125	LAA	11						
D»	ACTIVATOR 90	0.25	PMV	11						
E»	LIQUID AMS	2.50	PMV	11						
5A»	ACURON 3.44 ZC	1.29	LAA	11	4	98	99	99	99	99
B»	RNDUP POWERMAX	1.125	LAA	11						
C»	COC	1.00	PMV	11						
D»	LIQUID AMS	2.50	PMV	11						
6A»	SURESTART II 4	1.04	LAA	11	1	99	99	99	99	81
B»	RNDUP POWERMAX	1.125	LAA	11						
C»	ACTIVATOR 90	0.25	PMV	11						
D»	LIQUID AMS	2.50	PMV	11						
7A»	RESICORE 3.29S	1.03	LAA	11	3	99	99	99	99	97
B»	RNDUP POWERMAX	1.125	LAA	11						
C»	ACTIVATOR 90	0.25	PMV	11						
D»	LIQUID AMS	2.50	PMV	11						
8A»	HALEX GT 4.38L	1.97	LAA	11	1	98	99	99	99	99
B	ATRAZINE DF	0.50	LAA	11						
C»	RNDUP POWERMAX	0.19	LAA	11						
D»	ACTIVATOR 90	0.25	PMV	11						
E»	LIQUID AMS	2.50	PMV	11						
9A	CHECK	0.00	NA	0	0	0	0	0	0	0
10A»	DIFLEXX DUO 1.	0.29	LAA	11	0	99	99	99	99	99
B	ATRAZINE DF	0.50	LAA	11						
C»	RNDUP POWERMAX	1.125	LAA	11						
D»	LIQUID AMS	2.50	PMV	11						
11A»	DIFLEXX DUO 1.	0.29	LAA	11	0	98	99	99	99	99
B	ATRAZINE DF	0.50	LAA	11						
C»	LIBERTY 2.34L	0.53	LAA	11						
D»	LIQUID AMS	2.50	PMV	11						
12A»	CAPRENO 3.45 S	0.081	LAA	11	1	99	99	99	99	99
B»	RNDUP POWERMAX	1.125	LAA	11						
C	ATRAZINE DF	0.50	LAA	11						
D»	LIQUID AMS	2.50	PMV	11						
LSD (0.05)					2.5	1.6	0.0	0.0	0.0	1.1
STANDARD DEVIATION					1.2	0.8	0.0	0.0	0.0	0.5

TITLE: Armezon Pro Tank-Mix Partners for Weed Control Systems in RR/LL Corn. AS-100
CREATED: 04/11/2016 **REVISED:** 01/06/2017 **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 NUM	TREATMENT COMPONENT	DOSAGE		TM	XANST	ZEAMD	SETFA	CHEAL	AMATA	ABUTH
		RATE	UNIT		CON % 05/27/16	CON % 06/07/16	CON % 06/07/16	CON % 06/07/16	CON % 06/07/16	CON % 06/07/16
1A»	ARMEZON PRO 5.	0.67	LAA	11	99	0	89	99	99	99
	B ATRAZINE DF	0.50	LAA	11						
	C»COC	1.00	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
2A»	ARMEZON PRO 5.	0.67	LAA	11	99	0	96	99	99	99
	B ATRAZINE DF	0.50	LAA	11						
	C»RNDUP POWERMAX	0.56	LAA	11						
	D»COC	1.00	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
3A»	ARMEZON PRO 5.	0.67	LAA	11	99	0	99	99	99	99
	B ATRAZINE DF	0.50	LAA	11						
	C»RNDUP POWERMAX	1.125	LAA	11						
	D»COC	1.00	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
4A»	ARMEZON PRO 5.	0.67	LAA	11	99	0	98	99	99	99
	B CLARITY	0.1875	LAA	11						
	C»RNDUP POWERMAX	1.125	LAA	11						
	D»ACTIVATOR 90	0.25	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
5A»	ACURON 3.44 ZC	1.29	LAA	11	99	0	98	99	99	99
	B»RNDUP POWERMAX	1.125	LAA	11						
	C»COC	1.00	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
6A»	SURESTART II 4	1.04	LAA	11	99	0	98	99	99	98
	B»RNDUP POWERMAX	1.125	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
7A»	RESICORE 3.29S	1.03	LAA	11	99	0	96	99	99	99
	B»RNDUP POWERMAX	1.125	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
8A»	HALEX GT 4.38L	1.97	LAA	11	99	0	98	99	99	99
	B ATRAZINE DF	0.50	LAA	11						
	C»RNDUP POWERMAX	0.19	LAA	11						
	D»ACTIVATOR 90	0.25	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
9A	CHECK	0.00	NA	0	0	0	0	0	0	0
10A»	DIFLEXX DUO 1.	0.29	LAA	11	99	0	87	99	99	99
	B ATRAZINE DF	0.50	LAA	11						
	C»RNDUP POWERMAX	1.125	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
11A»	DIFLEXX DUO 1.	0.29	LAA	11	99	0	84	99	99	99
	B ATRAZINE DF	0.50	LAA	11						
	C»LIBERTY 2.34L	0.53	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
12A»	CAPRENO 3.45 S	0.081	LAA	11	99	0	94	99	99	99
	B»RNDUP POWERMAX	1.125	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
		LSD (0.05)			0.0	0.0	3.3	0.0	0.0	0.6
		STANDARD DEVIATION			0.0	0.0	1.6	0.0	0.0	0.3

TITLE: Armezon Pro Tank-Mix Partners for Weed Control Systems in RR/LL Corn. AS-100
CREATED: 04/11/2016 **REVISED:** 01/06/2017 **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 NUM	TREATMENT COMPONENT	DOSAGE			PHBPU CON % 06/07/16	XANST CON % 06/07/16	SETFA CON % 06/24/16	CHEAL CON % 06/24/16	AMATA CON % 06/24/16	ABUTH CON % 06/24/16
		RATE	UNIT	TM						
1A»	ARMEZON PRO 5.	0.67	LAA	11	83	88	78	99	99	99
	B ATRAZINE DF	0.50	LAA	11						
	C»COC	1.00	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
2A»	ARMEZON PRO 5.	0.67	LAA	11	93	95	93	99	99	99
	B ATRAZINE DF	0.50	LAA	11						
	C»RNDUP POWERMAX	0.56	LAA	11						
	D»COC	1.00	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
3A»	ARMEZON PRO 5.	0.67	LAA	11	96	96	98	99	99	99
	B ATRAZINE DF	0.50	LAA	11						
	C»RNDUP POWERMAX	1.125	LAA	11						
	D»COC	1.00	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
4A»	ARMEZON PRO 5.	0.67	LAA	11	93	97	97	99	99	99
	B CLARITY	0.1875	LAA	11						
	C»RNDUP POWERMAX	1.125	LAA	11						
	D»ACTIVATOR 90	0.25	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
5A»	ACURON 3.44 ZC	1.29	LAA	11	94	98	97	99	99	99
	B»RNDUP POWERMAX	1.125	LAA	11						
	C»COC	1.00	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
6A»	SURESTART II 4	1.04	LAA	11	86	95	99	99	99	99
	B»RNDUP POWERMAX	1.125	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
7A»	RESICORE 3.29S	1.03	LAA	11	90	95	97	99	99	99
	B»RNDUP POWERMAX	1.125	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
8A»	HALEX GT 4.38L	1.97	LAA	11	95	97	96	99	99	99
	B ATRAZINE DF	0.50	LAA	11						
	C»RNDUP POWERMAX	0.19	LAA	11						
	D»ACTIVATOR 90	0.25	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
9A	CHECK	0.00	NA	0	0	0	0	0	0	0
10A»	DIFLEXX DUO 1.	0.29	LAA	11	93	97	75	99	99	98
	B ATRAZINE DF	0.50	LAA	11						
	C»RNDUP POWERMAX	1.125	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
11A»	DIFLEXX DUO 1.	0.29	LAA	11	92	97	65	99	99	99
	B ATRAZINE DF	0.50	LAA	11						
	C»LIBERTY 2.34L	0.53	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
12A»	CAPRENO 3.45 S	0.081	LAA	11	95	96	85	99	97	99
	B»RNDUP POWERMAX	1.125	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
	LSD (0.05)				4.6	4.8	6.1	0.0	1.7	0.6
	STANDARD DEVIATION				2.2	2.3	2.9	0.0	0.8	0.3

TITLE: Armezon Pro Tank-Mix Partners for Weed Control Systems in RR/LL Corn. AS-100
CREATED: 04/11/2016 **REVISED:** 01/06/2017 **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 NUM	TREATMENT COMPONENT	DOSAGE			PHBPU CON % 06/24/16	XANST CON % 06/24/16	YIELD BU/A 09/28/16
		RATE	UNIT	TM			
1A»	ARMEZON PRO 5.	0.67	LAA	11	73	85	230.5
	B ATRAZINE DF	0.50	LAA	11			
	C»COC	1.00	PMV	11			
	D»LIQUID AMS	2.50	PMV	11			
2A»	ARMEZON PRO 5.	0.67	LAA	11	84	88	231.2
	B ATRAZINE DF	0.50	LAA	11			
	C»RNDUP POWERMAX	0.56	LAA	11			
	D»COC	1.00	PMV	11			
	E»LIQUID AMS	2.50	PMV	11			
3A»	ARMEZON PRO 5.	0.67	LAA	11	88	94	235.7
	B ATRAZINE DF	0.50	LAA	11			
	C»RNDUP POWERMAX	1.125	LAA	11			
	D»COC	1.00	PMV	11			
	E»LIQUID AMS	2.50	PMV	11			
4A»	ARMEZON PRO 5.	0.67	LAA	11	83	93	236.1
	B CLARITY	0.1875	LAA	11			
	C»RNDUP POWERMAX	1.125	LAA	11			
	D»ACTIVATOR 90	0.25	PMV	11			
	E»LIQUID AMS	2.50	PMV	11			
5A»	ACURON 3.44 ZC	1.29	LAA	11	93	98	232.7
	B»RNDUP POWERMAX	1.125	LAA	11			
	C»COC	1.00	PMV	11			
	D»LIQUID AMS	2.50	PMV	11			
6A»	SURESTART II 4	1.04	LAA	11	75	90	242.5
	B»RNDUP POWERMAX	1.125	LAA	11			
	C»ACTIVATOR 90	0.25	PMV	11			
	D»LIQUID AMS	2.50	PMV	11			
7A»	RESICORE 3.29S	1.03	LAA	11	89	96	233.8
	B»RNDUP POWERMAX	1.125	LAA	11			
	C»ACTIVATOR 90	0.25	PMV	11			
	D»LIQUID AMS	2.50	PMV	11			
8A»	HALEX GT 4.38L	1.97	LAA	11	86	95	238.9
	B ATRAZINE DF	0.50	LAA	11			
	C»RNDUP POWERMAX	0.19	LAA	11			
	D»ACTIVATOR 90	0.25	PMV	11			
	E»LIQUID AMS	2.50	PMV	11			
9A	CHECK	0.00	NA	0	0	0	109.2
10A»	DIFLEXX DUO 1.	0.29	LAA	11	80	86	231.4
	B ATRAZINE DF	0.50	LAA	11			
	C»RNDUP POWERMAX	1.125	LAA	11			
	D»LIQUID AMS	2.50	PMV	11			
11A»	DIFLEXX DUO 1.	0.29	LAA	11	85	88	236.4
	B ATRAZINE DF	0.50	LAA	11			
	C»LIBERTY 2.34L	0.53	LAA	11			
	D»LIQUID AMS	2.50	PMV	11			
12A»	CAPRENO 3.45 S	0.081	LAA	11	86	83	237.6
	B»RNDUP POWERMAX	1.125	LAA	11			
	C ATRAZINE DF	0.50	LAA	11			
	D»LIQUID AMS	2.50	PMV	11			
		LSD (0.05)			6.9	9.0	18.65
		STANDARD DEVIATION			3.3	4.3	8.99

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

*** CONTINUE ON NEXT PAGE

00 = --- / UNTREATED TIMING
 00 = --- / UNTREATED TIMING
 11 = --- / EPOST 05/18/2016(1)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECI	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
001	ZEAMD	CON %	05/27/2016	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	05/27/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	05/27/2016	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	05/27/2016	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	05/27/2016	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	05/27/2016	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	XANST	CON %	05/27/2016	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ZEAMD	CON %	06/07/2016	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	SETFA	CON %	06/07/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	06/07/2016	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	AMATA	CON %	06/07/2016	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	ABUTH	CON %	06/07/2016	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	PHBPU	CON %	06/07/2016	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	XANST	CON %	06/07/2016	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	SETFA	CON %	06/24/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	CHEAL	CON %	06/24/2016	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	AMATA	CON %	06/24/2016	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	ABUTH	CON %	06/24/2016	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	PHBPU	CON %	06/24/2016	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	XANST	CON %	06/24/2016	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	YIELD	BU/A	09/28/2016	01	P	ZEAMD		RAW	ALL	YLD	BU	---	1.00 A	NO	0001	0	N

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

01 = N68K-3111A