

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX
 PH: 6.6
 %OM: 5.4
 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	02	UNIT
TIMINGS	09	11	
TYPE	LIQUID MI	LIQUID MI	
APPLICATION DATE	05/25/16	06/13/16	AME
TIME - BEGIN	03:30	11:20	24H
TIME - END	03:50	11:45	24H
AIR TEMPERATURE	81	90	F
% REL.HUMIDITY	47	38	
WIND DIRECTION	SOUTHWEST	SOUTHEAST	
WIND SPEED	9.0	2.0	M/H
CLOUD COVER	CLOUDY--6	CLEAR-0%	
DEW	TO BE SEL	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	TO BE SEL	TO BE SEL	
SOIL TEMP/DEPTH	74/4.00	79/4.00	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	NA	NA	
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, dent corn DKC64-87 (PLANTED) 05/25/2016		---/14 10.0/12.0 19 DAP	IN
PEST *			
P, velvetleaf;velve		---/12 1.00/2.00	IN
P, careless weed;Pa		---/18 1.00/6.00	IN
P, common morning g		---/14 1.00/2.00	IN

*** CONTINUE

SPECIE AND STAGE	DEN / STG	DEN / STG	
	MIN / MAX	MIN / MAX	
PEST *			
P, giant foxtail;no		---/14 1.00/4.00	IN

* TIMING CODES

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

* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4 LEAVES UNFOLDED
14 = 4 LEAVES UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Weed Control Systems for Palmer Pigweed Control in RR/LL Corn. R-3N
CREATED: 05/25/2016 **REVISED:** 08/25/2016 **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	AMAPA	PHBPU	ABUTH	ZEAMD
		RATE	UNIT	TM	CON % 06/13/16	CON % 06/13/16	CON % 06/13/16	CON % 06/13/16	CON % 06/13/16	CON % 06/23/16
1A»	ACURON 3.44 ZC	2.57	LAA	9	0	94	86	83	83	0
2A»	ACURON 3.44 ZC	2.57	LAA	9	0	96	85	87	93	0
	B ATRAZINE DF	0.50	LAA	9						
3A»	ACURON 3.44 ZC	1.29	LAA	9	0	77	81	81	73	0
	B»HALEX GT 4.38L	1.97	LAA	11						
	C ATRAZINE DF	1.00	LAA	11						
	D»ACTIVATOR 90	0.25	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
4A»	ACURON 3.44 ZC	1.29	LAA	9	0	93	75	78	67	0
	B»ACURON 3.44 ZC	1.29	LAA	11						
	C»RNDUP POWERMAX	0.84	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
5A»	CORVUS 2.6SC	0.114	LAA	9	0	98	99	95	82	0
	B ATRAZINE DF	1.00	LAA	9						
	C»DIFLEXX 4L	0.375	LAA	11						
	D»COC	1.00	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
6A»	VERDICT 5.57L	0.70	LAA	9	0	98	93	94	99	0
	B ATRAZINE DF	1.00	LAA	9						
	C»STATUS 56DG	0.175	LAA	11						
	D»COC	1.00	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
7A»	RESICORE 3.29S	2.06	LAA	9	0	99	99	97	98	0
	B ATRAZINE DF	1.00	LAA	9						
	C»DURANGO 4AE	1.00	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
8A	CHECK	0.00	NA	0	0	0	0	0	0	0
9A»	INSTIGATE	6.00	OMA	0	0	78	67	86	89	0
	B RESOLVE 25DF	0.0156	LAA	9						
	C»MESOTRIONE 50W	0.156	LAA	9						
	D ATRAZINE DF	1.00	LAA	9						
	E CINCH	0.96	LAA	11						
	F»RNDUP POWERMAX	1.125	LAA	11						
	G»LIQUID AMS	2.50	PMV	11						
10A»	ANTHEM MAXX 4.	0.134	LAA	9	0	95	65	73	58	0
	B»ARMEZON PRO 5.	0.67	LAA	11						
	C»MSO	1.00	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
		LSD (0.05)			0.0	18.5	17.2	13.7	26.1	0.0
		STANDARD DEVIATION			0.0	8.8	8.2	6.5	12.4	0.0

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PLOT AREA: 225.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			SETFA	AMAPA	PHBPU	ABUTH	ZEAMD	SETFA
		RATE	UNIT	TM	CON % 06/23/16	CON % 06/23/16	CON % 06/23/16	CON % 06/23/16	CON % 07/02/16	CON % 07/02/16
1A»	ACURON 3.44 ZC	2.57	LAA	9	86	98	93	99	0	73
2A»	ACURON 3.44 ZC	2.57	LAA	9	90	99	95	99	0	82
	B ATRAZINE DF	0.50	LAA	9						
3A»	ACURON 3.44 ZC	1.29	LAA	9	99	99	99	99	0	99
	B»HALEX GT 4.38L	1.97	LAA	11						
	C ATRAZINE DF	1.00	LAA	11						
	D»ACTIVATOR 90	0.25	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
4A»	ACURON 3.44 ZC	1.29	LAA	9	99	99	99	99	0	99
	B»ACURON 3.44 ZC	1.29	LAA	11						
	C»RNDUP POWERMAX	0.84	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
5A»	CORVUS 2.6SC	0.114	LAA	9	93	99	99	99	0	89
	B ATRAZINE DF	1.00	LAA	9						
	C»DIFLEXX 4L	0.375	LAA	11						
	D»COC	1.00	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
6A»	VERDICT 5.57L	0.70	LAA	9	98	99	99	99	0	96
	B ATRAZINE DF	1.00	LAA	9						
	C»STATUS 56DG	0.175	LAA	11						
	D»COC	1.00	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
7A»	RESICORE 3.29S	2.06	LAA	9	99	99	99	99	0	99
	B ATRAZINE DF	1.00	LAA	9						
	C»DURANGO 4AE	1.00	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
8A	CHECK	0.00	NA	0	0	0	0	0	0	0
9A»	INSTIGATE	6.00	OMA	0	99	98	98	99	0	99
	B RESOLVE 25DF	0.0156	LAA	9						
	C»MESOTRIONE 50W	0.156	LAA	9						
	D ATRAZINE DF	1.00	LAA	9						
	E CINCH	0.96	LAA	11						
	F»RNDUP POWERMAX	1.125	LAA	11						
	G»LIQUID AMS	2.50	PMV	11						
10A»	ANTHEM MAXX 4.	0.134	LAA	9	99	99	94	99	0	99
	B»ARMEZON PRO 5.	0.67	LAA	11						
	C»MSO	1.00	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
		LSD (0.05)			4.0	0.8	2.7	0.0	0.0	7.6
		STANDARD DEVIATION			1.9	0.4	1.3	0.0	0.0	3.6

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REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			AMAPA	PHBPU	ABUTH	SETFA	AMAPA	PHBPU
		RATE	UNIT	TM	CON % 07/02/16	CON % 07/02/16	CON % 07/02/16	CON % 07/10/16	CON % 07/10/16	CON % 07/10/16
1A»	ACURON 3.44 ZC	2.57	LAA	9	82	78	99	68	77	72
2A»	ACURON 3.44 ZC	2.57	LAA	9	94	88	99	80	91	85
	B ATRAZINE DF	0.50	LAA	9						
3A»	ACURON 3.44 ZC	1.29	LAA	9	99	97	99	99	99	97
	B»HALEX GT 4.38L	1.97	LAA	11						
	C ATRAZINE DF	1.00	LAA	11						
	D»ACTIVATOR 90	0.25	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
4A»	ACURON 3.44 ZC	1.29	LAA	9	99	97	99	99	99	96
	B»ACURON 3.44 ZC	1.29	LAA	11						
	C»RNDUP POWERMAX	0.84	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
5A»	CORVUS 2.6SC	0.114	LAA	9	99	95	99	89	95	95
	B ATRAZINE DF	1.00	LAA	9						
	C»DIFLEXX 4L	0.375	LAA	11						
	D»COC	1.00	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
6A»	VERDICT 5.57L	0.70	LAA	9	98	97	99	96	93	96
	B ATRAZINE DF	1.00	LAA	9						
	C»STATUS 56DG	0.175	LAA	11						
	D»COC	1.00	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
7A»	RESICORE 3.29S	2.06	LAA	9	99	98	99	99	99	98
	B ATRAZINE DF	1.00	LAA	9						
	C»DURANGO 4AE	1.00	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
8A	CHECK	0.00	NA	0	0	0	0	0	0	0
9A»	INSTIGATE	6.00	OMA	0	92	93	99	99	92	96
	B RESOLVE 25DF	0.0156	LAA	9						
	C»MESOTRIONE 50W	0.156	LAA	9						
	D ATRAZINE DF	1.00	LAA	9						
	E CINCH	0.96	LAA	11						
	F»RNDUP POWERMAX	1.125	LAA	11						
	G»LIQUID AMS	2.50	PMV	11						
10A»	ANTHEM MAXX 4.	0.134	LAA	9	96	92	99	98	96	91
	B»ARMEZON PRO 5.	0.67	LAA	11						
	C»MSO	1.00	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
		LSD (0.05)			8.3	9.9	0.0	8.5	7.2	11.4
		STANDARD DEVIATION			4.0	4.7	0.0	4.0	3.4	5.4

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PLOT AREA: 225.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	ABUTH CON % 07/10/16
1A	»ACURON 3.44 ZC	2.57	LAA	9	98
2A	»ACURON 3.44 ZC	2.57	LAA	9	99
	B ATRAZINE DF	0.50	LAA	9	
3A	»ACURON 3.44 ZC	1.29	LAA	9	99
	B»HALEX GT 4.38L	1.97	LAA	11	
	C ATRAZINE DF	1.00	LAA	11	
	D»ACTIVATOR 90	0.25	PMV	11	
	E»LIQUID AMS	2.50	PMV	11	
4A	»ACURON 3.44 ZC	1.29	LAA	9	99
	B»ACURON 3.44 ZC	1.29	LAA	11	
	C»RNDUP POWERMAX	0.84	LAA	11	
	D»LIQUID AMS	2.50	PMV	11	
5A	»CORVUS 2.6SC	0.114	LAA	9	99
	B ATRAZINE DF	1.00	LAA	9	
	C»DIFLEXX 4L	0.375	LAA	11	
	D»COC	1.00	PMV	11	
	E»LIQUID AMS	2.50	PMV	11	
6A	»VERDICT 5.57L	0.70	LAA	9	99
	B ATRAZINE DF	1.00	LAA	9	
	C»STATUS 56DG	0.175	LAA	11	
	D»COC	1.00	PMV	11	
	E»LIQUID AMS	2.50	PMV	11	
7A	»RESICORE 3.29S	2.06	LAA	9	99
	B ATRAZINE DF	1.00	LAA	9	
	C»DURANGO 4AE	1.00	LAA	11	
	D»LIQUID AMS	2.50	PMV	11	
8A	CHECK	0.00	NA	0	0
9A	»INSTIGATE	6.00	OMA	0	99
	B RESOLVE 25DF	0.0156	LAA	9	
	C»MESOTRIONE 50W	0.156	LAA	9	
	D ATRAZINE DF	1.00	LAA	9	
	E CINCH	0.96	LAA	11	
	F»RNDUP POWERMAX	1.125	LAA	11	
	G»LIQUID AMS	2.50	PMV	11	
10A	»ANTHEM MAXX 4.	0.134	LAA	9	99
	B»ARMEZON PRO 5.	0.67	LAA	11	
	C»MSO	1.00	PMV	11	
	D»LIQUID AMS	2.50	PMV	11	
		LSD (0.05)			1.3
		STANDARD DEVIATION			0.6

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = --- / UNTREATED TIMING
 09 = --- / PREEMERGENCE 05/25/2016(1)
 11 = --- / EPOST 06/13/2016(2)

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 %	06/13/2016	01	P	ZEAMD	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/13/2016	02	P	SETFA	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMAPA	CON %	06/13/2016	03	P	AMAPA	18	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	PHBPU	CON %	06/13/2016	04	P	PHBPU	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TITLE: Weed Control Systems for Palmer Pigweed Control in RR/LL Corn. R-3N

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECI	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR1	SS	NOTE
005	ABUTH	CON %	06/13/2016	05	P	ABUTH	12	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ZEAMD	CON %	06/23/2016	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	06/23/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMAPA	CON %	06/23/2016	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	PHBPU	CON %	06/23/2016	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	ABUTH	CON %	06/23/2016	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ZEAMD	CON %	07/02/2016	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	SETFA	CON %	07/02/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	AMAPA	CON %	07/02/2016	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	PHBPU	CON %	07/02/2016	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	ABUTH	CON %	07/02/2016	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	SETFA	CON %	07/10/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	AMAPA	CON %	07/10/2016	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	PHBPU	CON %	07/10/2016	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	ABUTH	CON %	07/10/2016	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = DKC64-87

* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4 LEAVES UNFOLDED
14 = 4 LEAVES UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED