

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: CL
PH: 6.1
%OM: 1.5
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: 0
PLOT WIDTH: 10 X 30 FEET
PLOT AREA: 300 FEET

DESIGN: RCB
REPS: 3

APPL. NUMBER	01	02	03	UNIT
TIMINGS	05	09	13	
TYPE	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	04/13/10	04/22/10	06/03/10	AME
AIR TEMPERATURE	79	70	76	F
% REL.HUMIDITY	47	55	65	
WIND DIRECTION	SOUTHWEST	SOUTH	NORTHWEST	
WIND SPEED	5.0	4.0	5.0	M/H
CLOUD COVER	CLEAR	HAZY SUN	CLOUDY	
DEW	---	---	YES	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	MOIST/MOI	
SOIL CONDITION	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMCO2	COMCO2	COMCO2	
PLACEMENT	BRFOSO	BRFOSO	BRFOSO	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	6	
NOZZLE SPACING	20.000	20.000	20.000	IN
SCREEN SIZE				
SCREEN SZ DESC	NA	NA	NA	
SWATH WIDTH	10.0	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	20.00	
SPRAY VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	32.00	32.00	32.00	PSI
DILUENT	WATER	WATER	WATER	
INC. DATE				AME
INC. START				24H
INC. END				24H
INC. DEPTH				IN
INC. EQUIPMENT	---	---	---	
	DEN/ STG/ MINMAXSZ			
*** CROP ***				
CORN, DENT			---/16	
BURRUS 5R68			12.0/16.0	IN
04/22/2010				
*** PEST ***				
LAMBSQUARTERS, C			---/19	
			1.00/4.00	IN
MORNINGGLORY, IV			---/15	
			1.00/3.00	IN
FOXTAIL, GIANT			---/15	
			2.00/8.00	IN
COCKLEBUR, COMMO			---/16	
			3.00/7.00	IN

* TIMING CODES

05 = ----- / EPP 15DBP
09 = ----- / PREEMERGENCE
13 = ----- / LPOST

* STAGE CODE

15 = 5 LEAVES UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6 LEAVES UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Weed Control Systems in RR/LL Corn. 3105N

CREATED: 04/09/2010 REVISED: 10/28/2010

COMPLETED: N

PROJECT TYPE: HERBICIDE

LOCATION: Perry

RESEARCHED BY: MAXWELL

DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN

PLOT SIZE: 10.00 FT WIDE X 30.00 FT LONG

PLOT AREA: 300.00 SFT

REPS: 03

TRT	TREATMENT	DOSAGE		ZEAMD	SETFA	XANST	IPOHE	CHEAL	ZEAMD
NUM	COMPONENT	RATE	UNIT	TM	PRE	PRE	PRE	PRE	10 DAT
					06/03/10	06/03/10	06/03/10	06/03/10	06/16/10
1A»	FIERCE 76WG	0.14	LAA	5	0	77	43	67	97
B»	TOUCHDN TOTAL	0.78	LAA	13					
C»	LIQUID AMS	2.50	PMV	13					
2A	LUMAX	1.97	LAA	9	0	98	75	83	99
B»	TOUCHDN TOTAL	0.78	LAA	13					
C»	LIQUID AMS	2.50	PMV	13					
3A»	LEXAR 3.7L	2.08	LAA	9	0	98	82	85	99
B»	TOUCHDN TOTAL	0.78	LAA	13					
C»	LIQUID AMS	2.50	PMV	13					
4A»	CORVUS 2.6SC	0.067	LAA	9	0	88	75	82	99
B	ATRAZINE DF	1.00	LAA	9					
C»	TOUCHDN TOTAL	0.78	LAA	13					
D»	LIQUID AMS	2.50	PMV	13					
5A»	BAL FLEXX 2L	0.047	LAA	9	0	77	57	72	99
B	ATRAZINE DF	1.00	LAA	9					
C»	TOUCHDN TOTAL	0.78	LAA	13					
D»	LIQUID AMS	2.50	PMV	13					
6A»	VERDICT 5.57L	0.57	LAA	9	0	98	70	82	98
B»	TOUCHDN TOTAL	0.78	LAA	13					
C»	LIQUID AMS	2.50	PMV	13					
7A»	SURESTART 4.16	0.91	LAA	9	0	93	75	47	99
B»	DURANGO 4AE	0.75	LAA	13					
C»	LIQUID AMS	2.50	PMV	13					
8A	BICEP II MAG	1.79	LAA	9	0	93	63	77	98
B»	HALEX GT 4.38L	1.97	LAA	13					
C»	ACTIVATOR 90	0.25	PMV	13					
D»	LIQUID AMS	2.50	PMV	13					
9A	BICEP II MAG	1.79	LAA	9	0	96	47	77	97
B»	TOUCHDN TOTAL	0.78	LAA	13					
C»	LIQUID AMS	2.50	PMV	13					
10A»	CORVUS 2.6SC	0.061	LAA	9	0	90	77	78	99
B»	IGNITE 2.33SL	0.40	LAA	13					
C»	LAUDIS 3.5SC	0.055	LAA	13					
D	ATRAZINE DF	0.50	LAA	13					
11A	CHECK	0.00	NA	0	0	0	0	0	0
12A	DUAL II MAGNUM	0.96	LAA	9	0	93	20	27	77
B»	HALEX GT 4.38L	1.97	LAA	13					
C	ATRAZINE DF	0.50	LAA	13					
D»	ACTIVATOR 90	0.25	PMV	13					
E»	LIQUID AMS	2.50	PMV	13					
13A»	CORVUS 2.6SC	0.061	LAA	9	0	83	60	83	99
B»	RNDUP POWERMAX	0.39	LAA	13					
C»	LAUDIS 3.5SC	0.082	LAA	13					
D	ATRAZINE DF	0.50	LAA	13					
E»	MSO	1.00	PMV	13					
14A»	GUARDS MAX 5L	1.56	LAA	9	0	94	53	99	96
B»	RNDUP POWERMAX	0.77	LAA	13					
C»	STATUS 56DG	0.088	LAA	13					
D»	LIQUID AMS	2.50	PMV	13					
15A»	LEXAR 3.7L	1.39	LAA	9	0	89	53	75	99
B»	HALEX GT 4.38L	1.97	LAA	13					
C»	ACTIVATOR 90	0.25	PMV	13					
D»	LIQUID AMS	2.50	PMV	13					

TITLE: Weed Control Systems in RR/LL Corn. 3105N

TRT	TREATMENT	DOSAGE		ZEAMD	SETFA	XANST	IPOHE	CHEAL	ZEAMD
NUM	COMPONENT	RATE	UNIT TM	PRE	PRE	PRE	PRE	PRE	10 DAT
				06/03/10	06/03/10	06/03/10	06/03/10	06/03/10	06/16/10
16A	HARNESS XTRA	2.10	LAA 9	0	97	63	93	98	0
	B»RNDUP POWERMAX	0.77	LAA 13						
	C NORTHSTAR	0.074	LAA 13						
	D»LIQUID AMS	2.50	PMV 13						
17A	HARNESS (7EC)	1.09	LAA 9	0	92	27	30	85	0
	B»CAPRENO 3.45 S	0.081	LAA 13						
	C»TOUCHDN TOTAL	0.78	LAA 13						
	D»LIQUID AMS	2.50	PMV 13						
18A	LUMAX	1.48	LAA 9	0	97	65	78	99	0
	B»TOUCHDN TOTAL	0.78	LAA 13						
	C»LIQUID AMS	2.50	PMV 13						
19A	LUMAX	1.48	LAA 9	0	98	65	85	99	0
	B»HALEX GT 4.38L	1.97	LAA 13						
	C»ACTIVATOR 90	0.25	PMV 13						
	D»LIQUID AMS	2.50	PMV 13						
20A»	BAL FLEXX 2L	0.047	LAA 9	0	75	55	47	98	0
	B»CAPRENO 3.45 S	0.081	LAA 13						
	C»RNDUP POWERMAX	0.39	LAA 13						
	D»COC	1.00	PMV 13						
		LSD (0.05)		0.00	7.19	17.85	11.21	4.69	0.929
		STANDARD DEVIATION		0.00	3.56	8.83	5.54	2.32	0.459

TITLE: Weed Control Systems in RR/LL Corn. 3105N

CREATED: 04/09/2010 REVISED: 10/28/2010

COMPLETED: N

PROJECT TYPE: HERBICIDE

LOCATION: Perry

RESEARCHED BY: MAXWELL

DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN

PLOT SIZE: 10.00 FT WIDE X 30.00 FT LONG

PLOT AREA: 300.00 SFT

REPS: 03

TRT	TREATMENT	DOSAGE		SETFA	XANST	IPOHE	CHEAL	ZEAMD	SETFA
NUM	COMPONENT	RATE	UNIT TM	10 DAT	10 DAT	10 DAT	10 DAT	30 DAT	30 DAT
				06/16/10	06/16/10	06/16/10	06/16/10	07/01/10	07/01/10
1A»	FIERCE 76WG	0.14	LAA 5	93	83	67	99	0	82
B»	TOUCHDN TOTAL	0.78	LAA 13						
C»	LIQUID AMS	2.50	PMV 13						
2A	LUMAX	1.97	LAA 9	99	86	78	99	0	97
B»	TOUCHDN TOTAL	0.78	LAA 13						
C»	LIQUID AMS	2.50	PMV 13						
3A»	LEXAR 3.7L	2.08	LAA 9	99	83	80	99	0	98
B»	TOUCHDN TOTAL	0.78	LAA 13						
C»	LIQUID AMS	2.50	PMV 13						
4A»	CORVUS 2.6SC	0.067	LAA 9	90	82	80	99	0	73
B	ATRAZINE DF	1.00	LAA 9						
C»	TOUCHDN TOTAL	0.78	LAA 13						
D»	LIQUID AMS	2.50	PMV 13						
5A»	BAL FLEXX 2L	0.047	LAA 9	87	85	77	99	0	70
B	ATRAZINE DF	1.00	LAA 9						
C»	TOUCHDN TOTAL	0.78	LAA 13						
D»	LIQUID AMS	2.50	PMV 13						
6A»	VERDICT 5.57L	0.57	LAA 9	93	80	77	98	0	80
B»	TOUCHDN TOTAL	0.78	LAA 13						
C»	LIQUID AMS	2.50	PMV 13						
7A»	SURESTART 4.16	0.91	LAA 9	92	81	67	99	0	76
B»	DURANGO 4AE	0.75	LAA 13						
C»	LIQUID AMS	2.50	PMV 13						
8A	BICEP II MAG	1.79	LAA 9	99	92	92	99	0	99
B»	HALEX GT 4.38L	1.97	LAA 13						
C»	ACTIVATOR 90	0.25	PMV 13						
D»	LIQUID AMS	2.50	PMV 13						
9A	BICEP II MAG	1.79	LAA 9	98	86	73	99	0	93
B»	TOUCHDN TOTAL	0.78	LAA 13						
C»	LIQUID AMS	2.50	PMV 13						
10A»	CORVUS 2.6SC	0.061	LAA 9	98	91	92	99	0	93
B»	IGNITE 2.33SL	0.40	LAA 13						
C»	LAUDIS 3.5SC	0.055	LAA 13						
D	ATRAZINE DF	0.50	LAA 13						
11A	CHECK	0.00	NA 0	0	0	0	0	0	0
12A	DUAL II MAGNUM	0.96	LAA 9	99	95	96	99	0	99
B»	HALEX GT 4.38L	1.97	LAA 13						
C	ATRAZINE DF	0.50	LAA 13						
D»	ACTIVATOR 90	0.25	PMV 13						
E»	LIQUID AMS	2.50	PMV 13						
13A»	CORVUS 2.6SC	0.061	LAA 9	98	89	93	99	0	95
B»	RNDUP POWERMAX	0.39	LAA 13						
C»	LAUDIS 3.5SC	0.082	LAA 13						
D	ATRAZINE DF	0.50	LAA 13						
E»	MSO	1.00	PMV 13						
14A»	GUARDS MAX 5L	1.56	LAA 9	96	86	87	99	0	88
B»	RNDUP POWERMAX	0.77	LAA 13						
C»	STATUS 56DG	0.088	LAA 13						
D»	LIQUID AMS	2.50	PMV 13						
15A»	LEXAR 3.7L	1.39	LAA 9	98	87	87	99	0	98
B»	HALEX GT 4.38L	1.97	LAA 13						
C»	ACTIVATOR 90	0.25	PMV 13						
D»	LIQUID AMS	2.50	PMV 13						

TITLE: Weed Control Systems in RR/LL Corn. 3105N

TRT	TREATMENT	DOSAGE		SETFA	XANST	IPOHE	CHEAL	ZEAMD	SETFA
NUM	COMPONENT	RATE	UNIT	TM	10 DAT	10 DAT	10 DAT	10 DAT	30 DAT
					06/16/10	06/16/10	06/16/10	06/16/10	07/01/10
16A	HARNESS XTRA	2.10	LAA	9	97	90	92	99	0
	B»RNDUP POWERMAX	0.77	LAA	13					94
	C NORTHSTAR	0.074	LAA	13					
	D»LIQUID AMS	2.50	PMV	13					
17A	HARNESS (7EC)	1.09	LAA	9	98	84	68	99	0
	B»CAPRENO 3.45 S	0.081	LAA	13					95
	C»TOUCHDN TOTAL	0.78	LAA	13					
	D»LIQUID AMS	2.50	PMV	13					
18A	LUMAX	1.48	LAA	9	98	78	77	99	0
	B»TOUCHDN TOTAL	0.78	LAA	13					96
	C»LIQUID AMS	2.50	PMV	13					
19A	LUMAX	1.48	LAA	9	99	91	95	99	0
	B»HALEX GT 4.38L	1.97	LAA	13					99
	C»ACTIVATOR 90	0.25	PMV	13					
	D»LIQUID AMS	2.50	PMV	13					
20A»	BAL FLEXX 2L	0.047	LAA	9	96	87	58	99	0
	B»CAPRENO 3.45 S	0.081	LAA	13					93
	C»RNDUP POWERMAX	0.39	LAA	13					
	D»COC	1.00	PMV	13					
LSD (0.05)					4.00	8.07	9.15	0.418	0.00
STANDARD DEVIATION					2.00	4.00	4.53	0.207	0.00
									7.26
									3.59

TITLE: Weed Control Systems in RR/LL Corn. 3105N
CREATED: 04/09/2010 **REVISED:** 10/28/2010 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Perry **RESEARCHED BY:** MAXWELL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT WIDE X 30.00 FT LONG
PLOT AREA: 300.00 SFT

REPS: 03

TRT	TREATMENT	DOSAGE			XANST	IPOHE	CHEAL	YIELD
NUM	COMPONENT	RATE	UNIT	TM	30 DAT 07/01/10	30 DAT 07/01/10	30 DAT 07/01/10	BU/A 09/09/10
1A»	FIERCE 76WG	0.14	LAA	5	68	50	99	143.5
B»	TOUCHDN TOTAL	0.78	LAA	13				
C»	LIQUID AMS	2.50	PMV	13				
2A	LUMAX	1.97	LAA	9	68	67	98	167.1
B»	TOUCHDN TOTAL	0.78	LAA	13				
C»	LIQUID AMS	2.50	PMV	13				
3A»	LEXAR 3.7L	2.08	LAA	9	63	68	97	152.7
B»	TOUCHDN TOTAL	0.78	LAA	13				
C»	LIQUID AMS	2.50	PMV	13				
4A»	CORVUS 2.6SC	0.067	LAA	9	63	72	99	147.4
B	ATRAZINE DF	1.00	LAA	9				
C»	TOUCHDN TOTAL	0.78	LAA	13				
D»	LIQUID AMS	2.50	PMV	13				
5A»	BAL FLEXX 2L	0.047	LAA	9	72	63	99	161.4
B	ATRAZINE DF	1.00	LAA	9				
C»	TOUCHDN TOTAL	0.78	LAA	13				
D»	LIQUID AMS	2.50	PMV	13				
6A»	VERDICT 5.57L	0.57	LAA	9	63	73	96	170.6
B»	TOUCHDN TOTAL	0.78	LAA	13				
C»	LIQUID AMS	2.50	PMV	13				
7A»	SURESTART 4.16	0.91	LAA	9	67	58	99	157.1
B»	DURANGO 4AE	0.75	LAA	13				
C»	LIQUID AMS	2.50	PMV	13				
8A	BICEP II MAG	1.79	LAA	9	89	87	99	165.1
B»	HALEX GT 4.38L	1.97	LAA	13				
C»	ACTIVATOR 90	0.25	PMV	13				
D»	LIQUID AMS	2.50	PMV	13				
9A	BICEP II MAG	1.79	LAA	9	73	62	99	155.0
B»	TOUCHDN TOTAL	0.78	LAA	13				
C»	LIQUID AMS	2.50	PMV	13				
10A»	CORVUS 2.6SC	0.061	LAA	9	84	88	99	162.7
B»	IGNITE 2.33SL	0.40	LAA	13				
C»	LAUDIS 3.5SC	0.055	LAA	13				
D	ATRAZINE DF	0.50	LAA	13				
11A	CHECK	0.00	NA	0	0	0	0	78.7
12A	DUAL II MAGNUM	0.96	LAA	9	89	88	99	162.4
B»	HALEX GT 4.38L	1.97	LAA	13				
C	ATRAZINE DF	0.50	LAA	13				
D»	ACTIVATOR 90	0.25	PMV	13				
E»	LIQUID AMS	2.50	PMV	13				
13A»	CORVUS 2.6SC	0.061	LAA	9	84	87	99	170.8
B»	RNDUP POWERMAX	0.39	LAA	13				
C»	LAUDIS 3.5SC	0.082	LAA	13				
D	ATRAZINE DF	0.50	LAA	13				
E»	MSO	1.00	PMV	13				
14A»	GUARDS MAX 5L	1.56	LAA	9	74	85	99	170.0
B»	RNDUP POWERMAX	0.77	LAA	13				
C»	STATUS 56DG	0.088	LAA	13				
D»	LIQUID AMS	2.50	PMV	13				
15A»	LEXAR 3.7L	1.39	LAA	9	82	78	99	149.6
B»	HALEX GT 4.38L	1.97	LAA	13				
C»	ACTIVATOR 90	0.25	PMV	13				
D»	LIQUID AMS	2.50	PMV	13				

TITLE: Weed Control Systems in RR/LL Corn. 3105N

TRT	TREATMENT	DOSAGE		XANST	IPOHE	CHEAL	YIELD
NUM	COMPONENT	RATE	UNIT	30 DAT	30 DAT	30 DAT	BU/A
			TM	07/01/10	07/01/10	07/01/10	09/09/10
16A	HARNESS XTRA	2.10	LAA 9	77	73	99	175.6
	B»RNDUP POWERMAX	0.77	LAA 13				
	C NORTHSTAR	0.074	LAA 13				
	D»LIQUID AMS	2.50	PMV 13				
17A	HARNESS (7EC)	1.09	LAA 9	70	62	99	165.0
	B»CAPRENO 3.45 S	0.081	LAA 13				
	C»TOUCHDN TOTAL	0.78	LAA 13				
	D»LIQUID AMS	2.50	PMV 13				
18A	LUMAX	1.48	LAA 9	57	67	99	158.6
	B»TOUCHDN TOTAL	0.78	LAA 13				
	C»LIQUID AMS	2.50	PMV 13				
19A	LUMAX	1.48	LAA 9	85	90	99	165.9
	B»HALEX GT 4.38L	1.97	LAA 13				
	C»ACTIVATOR 90	0.25	PMV 13				
	D»LIQUID AMS	2.50	PMV 13				
20A»	BAL FLEXX 2L	0.047	LAA 9	80	50	99	172.1
	B»CAPRENO 3.45 S	0.081	LAA 13				
	C»RNDUP POWERMAX	0.39	LAA 13				
	D»COC	1.00	PMV 13				
LSD (0.05)				13.24	12.82	1.70	31.68
STANDARD DEVIATION				6.55	6.34	0.839	15.67

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
05 = ----- / EPP 15DBP 04/13/2010(1)
09 = ----- / PREEMERGENCE 04/22/2010(2)
13 = ----- / LPOST 06/03/2010(3)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	ZEAMD	PRE	06/03/2010	01	P	ZEAMD	16	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	PRE	06/03/2010	02	P	SETFA	15	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	XANST	PRE	06/03/2010	03	P	XANST	16	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	IPOHE	PRE	06/03/2010	04	P	IPOHE	15	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	CHEAL	PRE	06/03/2010	05	P	CHEAL	19	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ZEAMD	10 DAT	06/16/2010	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	10 DAT	06/16/2010	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	XANST	10 DAT	06/16/2010	03	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	IPOHE	10 DAT	06/16/2010	04	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	10 DAT	06/16/2010	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ZEAMD	30 DAT	07/01/2010	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	SETFA	30 DAT	07/01/2010	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	XANST	30 DAT	07/01/2010	03	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	IPOHE	30 DAT	07/01/2010	04	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	CHEAL	30 DAT	07/01/2010	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	YIELD	BU/A	09/09/2010	01	P	ZEAMD		RAW	---	YLD	---	---	0.00 ---	NO	0001	0	Y

* SEE INDIVIDUAL EVALUATION COMMENTS UNDER SPECIFIC TRIAL NOTES

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

01 = BURRUS 5R68

* STAGE CODE

15 = 5 LEAVES UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6 LEAVES UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED