

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: CL
 PH: 6.1
 %OM: 1.5
 PREV.CROP: GLXMA - 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	12	
TYPE	LIQ MIX	LIQ MIX	
APPLICATION DATE	05/01/13	06/11/13	AME
AIR TEMPERATURE	87	80	F
% REL.HUMIDITY	26	60	
WIND DIRECTION	SOUTH	SOUTH	
WIND SPEED	5.0	8.0	M/H
CLOUD COVER	PARTCLDY	PARTCLDY	
DEW	---	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACK/	BACKPACK/	
PROPELLANT	COMPRESSE	COMPRESSE	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE DESCRIPTION	TeeJet AI	TeeJet AI	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SCREEN SIZE	50	50	
SCREEN SZ DESC	MES	MES	
SWATH WIDTH	7.5	7.5	FT
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	---	---	
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, CORN, DENT		---/16	
BURRUS 6F74AMX		11.0/15.0	IN
(PLANTED) 05/01/2013		41 DAP	
PEST *			
P, VELVETLEAF		MED/13 1.00/2.00	IN
P, JIMSONWEED		MED/12 1.00/2.00	IN
P, MORNINGGLORY, IV		MED/14 1.00/3.00	IN
P, FOXTAIL, GIANT		MED/15 1.00/4.00	IN

* TIMING CODES

09 = ----- / PREEMERGENCE
 12 = ----- / POST

* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

*** STAGE CODE**

14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5 LEAVES UNFOLDED
16 = 6 LEAVES UNFOLDED

TITLE: Herbicide Systems for Weed Control in RR/LL Corn. 2405
CREATED: 04/11/2013 **REVISED:** 11/12/2013 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Perry **RESEARCHED BY:** MAXWELL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG
PLOT AREA: 225.00 SFT

REPS: 03

TRT	TREATMENT	DOSAGE		ZEAMD	SETFA	IPOHE	ABUTH	DATST	ZEAMD
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				06/04/13	06/04/13	06/04/13	06/04/13	06/04/13	06/19/13
1A	BICEP II MAG	1.79	LAA 9	11	99	68	93	96	7
	B»HALEX GT 4.38L	1.97	LAA 12						
	C ATRAZINE DF	0.50	LAA 12						
	D»ACTIVATOR 90	0.25	PMV 12						
	E»LIQUID AMS	2.50	PMV 12						
2A	LEXAR EZ 3.7SC	1.62	LAA 9	4	99	73	99	99	7
	B»HALEX GT 4.38L	1.97	LAA 12						
	C ATRAZINE DF	0.50	LAA 12						
	D»ACTIVATOR 90	0.25	PMV 12						
	E»LIQUID AMS	2.50	PMV 12						
3A	LUMAX EZ 3.67S	1.38	LAA 9	0	99	70	98	99	7
	B»HALEX GT 4.38L	1.97	LAA 12						
	C ATRAZINE DF	0.50	LAA 12						
	D»ACTIVATOR 90	0.25	PMV 12						
	E»LIQUID AMS	2.50	PMV 12						
4A	BICEP II MAG	1.79	LAA 9	4	98	53	99	91	2
	B»CALLISTO XTRA	0.69	LAA 12						
	C»TOUCHDN TOTAL	1.04	LAA 12						
	D»LIQUID AMS	2.50	PMV 12						
5A	CORVUS 2.6SC	0.061	LAA 9	0	88	80	98	99	0
	B»RNDUP POWERMAX	1.05	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
6A	HARNESS XTRA	2.10	LAA 9	4	99	75	98	98	0
	B»RNDUP POWERMAX	1.05	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
7A	DEGREE XTRA	2.02	LAA 9	0	99	70	99	98	0
	B BALANCE PRO 4	0.047	LAA 9						
	C»RNDUP POWERMAX	1.05	LAA 12						
	D»LIQUID AMS	2.50	PMV 12						
8A	SURESTART 4.16	1.04	LAA 9	0	99	57	98	99	0
	B ATRAZINE DF	1.00	LAA 9						
	C»DURANGO 4AE	0.75	LAA 12						
	D»LIQUID AMS	2.50	PMV 12						
9A	SURESTART 4.16	1.30	LAA 9	0	98	67	98	98	0
	B»DURANGO 4AE	0.75	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
10A	GF-3151 5.6SC	2.80	LAA 9	7	99	87	99	97	0
	B»HORNET 68.5WG	0.128	LAA 9						
	C»DURANGO 4AE	0.75	LAA 12						
	D»LIQUID AMS	2.50	PMV 12						
11A	BREAKFREE ATZ	1.97	LAA 9	0	99	72	98	92	0
	B»REALM Q	0.00	LAA 0						
	C RESOLVE 25DF	0.0188	LAA 12						
	D»MESOTRIONE 50W	0.078	LAA 12						
	E»ISOXADIFEN-ETH	0.0094	LAA 12						
	F»ABUNDIT EXTRA	0.75	LAA 12						
	G ATRAZINE DF	0.50	LAA 12						
	H»LIQUID AMS	2.50	PMV 12						
12A	PREQUEL 45WG	0.00	LAA 0	0	93	63	98	90	0
	B RESOLVE 25DF	0.016	LAA 9						
	C»ISOXAFLOTOL 7	0.031	LAA 9						
	D ATRAZINE DF	1.00	LAA 9						
	E»REALM Q	0.00	LAA 0						
	F RESOLVE 25DF	0.0188	LAA 12						
	G»MESOTRIONE 50W	0.078	LAA 12						
	H»ISOXADIFEN-ETH	0.0094	LAA 12						
	I»ABUNDIT EXTRA	0.75	LAA 12						
	J ATRAZINE DF	0.50	LAA 12						

TITLE: Herbicide Systems for Weed Control in RR/LL Corn. 2405

TRT	TREATMENT	DOSAGE	ZEAMD	SETFA	IPOHE	ABUTH	DATST	ZEAMD
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %
				06/04/13	06/04/13	06/04/13	06/04/13	06/19/13
	K»LIQUID AMS	2.50	PMV 12					
13A»	LUMAX EZ 3.67S	2.29	LAA 9	0	99	72	99	0
	B»TOUCHDN TOTAL	1.04	LAA 12					
	C»LIQUID AMS	2.50	PMV 12					
14A»	VERDICT 5.57L	0.57	LAA 9	0	99	70	97	0
	B»RNDUP POWERMAX	1.05	LAA 12					
	C»LIQUID AMS	2.50	PMV 12					
15A»	LUMAX EZ 3.67S	2.29	LAA 9	0	99	67	99	0
16A»	LEXAR EZ 3.7SC	2.31	LAA 9	0	99	67	99	0
17A	CHECK	0.00	NA 0	0	0	0	0	0
18A»	CORVUS 2.6SC	0.091	LAA 9	0	98	83	99	0
	B ATRAZINE DF	1.00	LAA 9					
19A»	VERDICT 5.57L	0.653	LAA 9	2	98	72	98	0
	B ATRAZINE DF	1.00	LAA 9					
20A	HARNESS XTRA	2.80	LAA 9	0	98	67	94	0
	LSD (0.05)			1.18	4.29	12.73	3.18	0.639
	STANDARD DEVIATION			0.584	2.12	6.30	1.57	0.316

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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	TREATMENT	DOSAGE	SETFA	IPOHE	ABUTH	DATST	ZEAMD	SETFA
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %
					06/19/13	06/19/13	06/19/13	07/12/13
1A	BICEP II MAG	1.79	LAA	9	99	96	99	99
	B»HALEX GT 4.38L	1.97	LAA	12				
	C ATRAZINE DF	0.50	LAA	12				
	D»ACTIVATOR 90	0.25	PMV	12				
	E»LIQUID AMS	2.50	PMV	12				
2A»	LEXAR EZ 3.7SC	1.62	LAA	9	99	97	99	99
	B»HALEX GT 4.38L	1.97	LAA	12				
	C ATRAZINE DF	0.50	LAA	12				
	D»ACTIVATOR 90	0.25	PMV	12				
	E»LIQUID AMS	2.50	PMV	12				
3A»	LUMAX EZ 3.67S	1.38	LAA	9	99	97	99	99
	B»HALEX GT 4.38L	1.97	LAA	12				
	C ATRAZINE DF	0.50	LAA	12				
	D»ACTIVATOR 90	0.25	PMV	12				
	E»LIQUID AMS	2.50	PMV	12				
4A	BICEP II MAG	1.79	LAA	9	98	95	99	94
	B»CALLISTO XTRA	0.69	LAA	12				
	C»TOUCHDN TOTAL	1.04	LAA	12				
	D»LIQUID AMS	2.50	PMV	12				
5A»	CORVUS 2.6SC	0.061	LAA	9	96	82	99	77
	B»RNDUP POWERMAX	1.05	LAA	12				
	C»LIQUID AMS	2.50	PMV	12				
6A	HARNESS XTRA	2.10	LAA	9	98	83	99	88
	B»RNDUP POWERMAX	1.05	LAA	12				
	C»LIQUID AMS	2.50	PMV	12				
7A	DEGREE XTRA	2.02	LAA	9	99	82	99	97
	B BALANCE PRO 4	0.047	LAA	9				
	C»RNDUP POWERMAX	1.05	LAA	12				
	D»LIQUID AMS	2.50	PMV	12				
8A»	SURESTART 4.16	1.04	LAA	9	97	75	99	80
	B ATRAZINE DF	1.00	LAA	9				
	C»DURANGO 4AE	0.75	LAA	12				
	D»LIQUID AMS	2.50	PMV	12				
9A»	SURESTART 4.16	1.30	LAA	9	98	73	99	88
	B»DURANGO 4AE	0.75	LAA	12				
	C»LIQUID AMS	2.50	PMV	12				
10A»	GF-3151 5.6SC	2.80	LAA	9	99	82	98	92
	B»HORNET 68.5WG	0.128	LAA	9				
	C»DURANGO 4AE	0.75	LAA	12				
	D»LIQUID AMS	2.50	PMV	12				
11A	BREAKFREE ATZ	1.97	LAA	9	98	97	99	90
	B»REALM Q	0.00	LAA	0				
	C RESOLVE 25DF	0.0188	LAA	12				
	D»MESOTRIONE 50W	0.078	LAA	12				
	E»ISOXADIFEN-ETH	0.0094	LAA	12				
	F»ABUNDIT EXTRA	0.75	LAA	12				
	G ATRAZINE DF	0.50	LAA	12				
	H»LIQUID AMS	2.50	PMV	12				
12A»	PREQUEL 45WG	0.00	LAA	0	99	97	99	87
	B RESOLVE 25DF	0.016	LAA	9				
	C»ISOX AFLUTOLE 7	0.031	LAA	9				
	D ATRAZINE DF	1.00	LAA	9				
	E»REALM Q	0.00	LAA	0				
	F RESOLVE 25DF	0.0188	LAA	12				
	G»MESOTRIONE 50W	0.078	LAA	12				
	H»ISOXADIFEN-ETH	0.0094	LAA	12				
	I»ABUNDIT EXTRA	0.75	LAA	12				
	J ATRAZINE DF	0.50	LAA	12				

TRT	TREATMENT NUM COMPONENT	DOSAGE RATE UNIT TM	SETFA CON % 06/19/13	IPOHE CON % 06/19/13	ABUTH CON % 06/19/13	DATST CON % 06/19/13	ZEAMD CON % 07/12/13	SETFA CON % 07/12/13
K»LIQUID AMS	2.50 PMV	12						
13A»LUMAX EZ 3.67S	2.29 LAA	9	99	83	98	99	0	98
B»TOUCHDN TOTAL	1.04 LAA	12						
C»LIQUID AMS	2.50 PMV	12						
14A»VERDICT 5.57L	0.57 LAA	9	98	73	98	99	0	93
B»RNDUP POWERMAX	1.05 LAA	12						
C»LIQUID AMS	2.50 PMV	12						
15A»LUMAX EZ 3.67S	2.29 LAA	9	98	45	99	99	0	99
16A»LEXAR EZ 3.7SC	2.31 LAA	9	98	40	99	99	0	97
17A CHECK	0.00 NA	0	0	0	0	0	0	0
18A»CORVUS 2.6SC	0.091 LAA	9	93	67	99	97	0	80
B ATRAZINE DF	1.00 LAA	9						
19A»VERDICT 5.57L	0.653 LAA	9	93	40	98	89	0	84
B ATRAZINE DF	1.00 LAA	9						
20A HARNESS XTRA	2.80 LAA	9	95	40	86	98	0	90
	LSD (0.05)		5.19	9.68	4.24	3.92	0.00	12.19
	STANDARD DEVIATION		2.57	4.79	2.10	1.94	0.00	6.00

TITLE: Herbicide Systems for Weed Control in RR/LL Corn. 2405
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PROJECT TYPE: HERBICIDE
LOCATION: Perry **RESEARCHED BY:** MAXWELL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG
PLOT AREA: 225.00 SFT

REPS: 03

TRT	TREATMENT	DOSAGE		IPOHE	ABUTH	DATST	YIELD
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	BU/A
				07/12/13	07/12/13	07/12/13	10/01/13
1A	BICEP II MAG	1.79	LAA 9	92	99	99	204.4
	B»HALEX GT 4.38L	1.97	LAA 12				
	C ATRAZINE DF	0.50	LAA 12				
	D»ACTIVATOR 90	0.25	PMV 12				
	E»LIQUID AMS	2.50	PMV 12				
2A	LEXAR EZ 3.7SC	1.62	LAA 9	93	99	99	212.4
	B»HALEX GT 4.38L	1.97	LAA 12				
	C ATRAZINE DF	0.50	LAA 12				
	D»ACTIVATOR 90	0.25	PMV 12				
	E»LIQUID AMS	2.50	PMV 12				
3A	LUMAX EZ 3.67S	1.38	LAA 9	98	99	99	193.8
	B»HALEX GT 4.38L	1.97	LAA 12				
	C ATRAZINE DF	0.50	LAA 12				
	D»ACTIVATOR 90	0.25	PMV 12				
	E»LIQUID AMS	2.50	PMV 12				
4A	BICEP II MAG	1.79	LAA 9	88	99	99	214.1
	B»CALLISTO XTRA	0.69	LAA 12				
	C»TOUCHDN TOTAL	1.04	LAA 12				
	D»LIQUID AMS	2.50	PMV 12				
5A	CORVUS 2.6SC	0.061	LAA 9	82	99	99	199.8
	B»RNDUP POWERMAX	1.05	LAA 12				
	C»LIQUID AMS	2.50	PMV 12				
6A	HARNESS XTRA	2.10	LAA 9	78	99	99	194.3
	B»RNDUP POWERMAX	1.05	LAA 12				
	C»LIQUID AMS	2.50	PMV 12				
7A	DEGREE XTRA	2.02	LAA 9	73	98	99	203.1
	B BALANCE PRO 4	0.047	LAA 9				
	C»RNDUP POWERMAX	1.05	LAA 12				
	D»LIQUID AMS	2.50	PMV 12				
8A	SURESTART 4.16	1.04	LAA 9	65	99	99	199.0
	B ATRAZINE DF	1.00	LAA 9				
	C»DURANGO 4AE	0.75	LAA 12				
	D»LIQUID AMS	2.50	PMV 12				
9A	SURESTART 4.16	1.30	LAA 9	63	99	99	187.4
	B»DURANGO 4AE	0.75	LAA 12				
	C»LIQUID AMS	2.50	PMV 12				
10A	GF-3151 5.6SC	2.80	LAA 9	78	99	99	192.3
	B»HORNET 68.5WG	0.128	LAA 9				
	C»DURANGO 4AE	0.75	LAA 12				
	D»LIQUID AMS	2.50	PMV 12				
11A	BREAKFREE ATZ	1.97	LAA 9	91	99	99	196.3
	B»REALM Q	0.00	LAA 0				
	C RESOLVE 25DF	0.0188	LAA 12				
	D»MESOTRIONE 50W	0.078	LAA 12				
	E»ISOXADIFEN-ETH	0.0094	LAA 12				
	F»ABUNDIT EXTRA	0.75	LAA 12				
	G ATRAZINE DF	0.50	LAA 12				
	H»LIQUID AMS	2.50	PMV 12				
12A	PREQUEL 45WG	0.00	LAA 0	93	99	99	203.6
	B RESOLVE 25DF	0.016	LAA 9				
	C»ISOXAFLOTOL 7	0.031	LAA 9				
	D ATRAZINE DF	1.00	LAA 9				
	E»REALM Q	0.00	LAA 0				
	F RESOLVE 25DF	0.0188	LAA 12				
	G»MESOTRIONE 50W	0.078	LAA 12				
	H»ISOXADIFEN-ETH	0.0094	LAA 12				
	I»ABUNDIT EXTRA	0.75	LAA 12				
	J ATRAZINE DF	0.50	LAA 12				

TITLE: Herbicide Systems for Weed Control in RR/LL Corn. 2405

TRT	TREATMENT	DOSAGE		IPOHE	ABUTH	DATST	YIELD
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	BU/A
				07/12/13	07/12/13	07/12/13	10/01/13
	K»LIQUID AMS	2.50	PMV 12				
13A»	LUMAX EZ 3.67S	2.29	LAA 9	82	99	99	201.9
	B»TOUCHDN TOTAL	1.04	LAA 12				
	C»LIQUID AMS	2.50	PMV 12				
14A»	VERDICT 5.57L	0.57	LAA 9	63	92	99	200.4
	B»RNDUP POWERMAX	1.05	LAA 12				
	C»LIQUID AMS	2.50	PMV 12				
15A»	LUMAX EZ 3.67S	2.29	LAA 9	33	99	99	201.6
16A»	LEXAR EZ 3.7SC	2.31	LAA 9	20	99	99	211.1
17A	CHECK	0.00	NA 0	0	0	0	202.0
18A»	CORVUS 2.6SC	0.091	LAA 9	63	99	96	201.5
	B ATRAZINE DF	1.00	LAA 9				
19A»	VERDICT 5.57L	0.653	LAA 9	30	96	86	202.7
	B ATRAZINE DF	1.00	LAA 9				
20A	HARNES XTRA	2.80	LAA 9	30	80	99	207.8
	LSD (0.05)			8.82	5.36	5.82	16.00
	STANDARD DEVIATION			4.36	2.65	2.88	7.93

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING

09 = ----- / PREEMERGENCE 05/01/2013(1)

12 = ----- / POST 06/11/2013(2)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	ZEAMD	CON %	06/04/2013	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/04/2013	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	IPOHE	CON %	06/04/2013	03	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ABUTH	CON %	06/04/2013	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	DATST	CON %	06/04/2013	05	P	DATST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ZEAMD	CON %	06/19/2013	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	06/19/2013	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	IPOHE	CON %	06/19/2013	03	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ABUTH	CON %	06/19/2013	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	DATST	CON %	06/19/2013	05	P	DATST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ZEAMD	CON %	07/12/2013	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	SETFA	CON %	07/12/2013	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	IPOHE	CON %	07/12/2013	03	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	ABUTH	CON %	07/12/2013	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	DATST	CON %	07/12/2013	05	P	DATST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	YIELD	BU/A	10/01/2013	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = BURRUS 6F74AMX