

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: CL
PH: 6.2
%OM: 2.5
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	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQUID MI	LIQUID MI	LIQUID MI	
APPLICATION DATE	04/18/16	05/22/16	05/31/16	AME
TIME - BEGIN	11:30	14:00	09:00	24H
TIME - END	12:15	14:15	09:30	24H
AIR TEMPERATURE	78	80	74	F
% REL.HUMIDITY	25	38	61	
WIND DIRECTION	SOUTH	EAST	SOUTH	
WIND SPEED	7.0	3.0	1.0	M/H
CLOUD COVER	PAR.CLOUD	CLEAR-0%	OVERCAST-	
DEW	TO BE SEL	NO	YES	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	TO BE SEL	TO BE SEL	TO BE SEL	
SOIL TEMP/DEPTH	62/4.00	74/4.00	72/4.00	F/IN
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACK/	BACKPACK/	BACKPACK/	
PROPELLANT	COMPRESSE	COMPRESSE	COMPRESSE	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE DESCRIPTION				
NOZZLE VOLUME	0.00	0.00	0.00	GPM
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SCREEN SIZE				
SCREEN SZ DESC	NA	NA	NA	
SWATH WIDTH	7.5	7.5	7.5	FT
BOOM HEIGHT	20.0	20.0	20.0	IN
SPEED	3.00	3.00	3.00	M/H
MIX SIZE	0.330	0.330	0.330	
MIX SIZE UNIT	GAL	GAL	GAL	
SPRAY VOLUME	20.00	20.00	20.00	
SPRAY VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	
INC. DATE				AME
INC. START				24H
INC. END				24H
INC. DEPTH				IN
INC. EQUIPMENT	TO BE SEL	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	DEN / STG MIN / MAX	
CROP *				
P, dent corn		---/13	---/16	
STINE R9635SS		6.00/7.00	15.0/15.0	IN
(PLANTED) 04/18/2016		34 DAP	43 DAP	
PEST *				
P, velvetleaf;velve		---/13	---/15	
		1.50/2.50	2.00/3.00	IN
P, tall amaranth;co		---/13	---/16	
		0.50/1.00	1.00/4.00	IN
P, common lambsquar		---/15	---/19	
		0.50/2.50	2.00/3.00	IN

*** CONTINUE

SPECIE AND STAGE	DEN / STG	DEN / STG	DEN / STG	
	MIN / MAX	MIN / MAX	MIN / MAX	
PEST *				
P, ivy-leaf morning		---/11 0.50/1.00	---/12 0.50/2.00	IN
P, giant foxtail;no		---/13 1.00/3.00	---/15 2.00/6.00	IN
P, beach cocklebur;		---/13 1.00/2.00	---/14 1.00/4.00	IN

*** TIMING CODES**

09 = --- / PREEMERGENCE

11 = --- / EPOST

12 = --- / POST

*** STAGE CODE**

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

13 = 3 LEAVES UNFOLDED

13 = 3 LEAVES UNFOLDED

13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

15 = 5 LEAVES 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. 2404

CREATED: 04/08/2016 REVISED: 01/10/2017

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	CHEAL	AMATA	XANST	IPOHE
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				05/30/16	05/30/16	05/30/16	05/30/16	05/30/16	05/30/16
1A»	ACURON 3.44 ZC	1.29	LAA 9	0	87	98	98	99	86
B»	HALEX GT 4.38L	1.97	LAA 12						
C	ATRAZINE DF	1.00	LAA 12						
D»	ACTIVATOR 90	0.25	PMV 12						
E»	LIQUID AMS	2.50	PMV 12						
2A»	ACURON 3.44 ZC	1.29	LAA 9	0	92	99	99	93	88
B»	ACURON 3.44 ZC	1.29	LAA 12						
C»	RNDUP POWERMAX	0.77	LAA 12						
D»	LIQUID AMS	2.50	PMV 12						
3A	BICEP II MAG	1.72	LAA 9	0	87	89	99	93	83
B»	HALEX GT 4.38L	1.97	LAA 12						
C	ATRAZINE DF	1.00	LAA 12						
D»	ACTIVATOR 90	0.25	PMV 12						
E»	LIQUID AMS	2.50	PMV 12						
4A»	RESICORE 3.29S	2.47	LAA 9	2	96	99	99	99	96
B	ATRAZINE DF	1.00	LAA 9						
C»	DURANGO 4AE	1.00	LAA 12						
D»	LIQUID AMS	2.50	PMV 12						
5A»	KEYSTONE NXT 5	4.20	LAA 9	0	96	99	99	98	95
B	HORNET 68.5WG	0.171	LAA 9						
C»	DURANGO 4AE	1.00	LAA 12						
D»	LIQUID AMS	2.50	PMV 12						
6A»	SURESTART II 4	1.30	LAA 9	0	96	99	98	96	87
B	ATRAZINE DF	1.00	LAA 9						
C»	DURANGO 4AE	1.00	LAA 12						
D»	LIQUID AMS	2.50	PMV 12						
7A»	CORVUS 2.6SC	0.114	LAA 9	0	92	99	93	93	88
B»	RNDUP POWERMAX	0.77	LAA 12						
C»	DIFLEXX 4L	0.375	LAA 12						
D»	ACTIVATOR 90	0.25	PMV 12						
E»	LIQUID AMS	2.50	PMV 12						
8A»	RESICORE 3.29S	1.234	LAA 9	0	93	99	99	97	93
B	ATRAZINE DF	1.00	LAA 9						
C»	RESICORE 3.29S	1.028	LAA 12						
D	ATRAZINE DF	0.50	LAA 12						
E»	DURANGO 4AE	1.00	LAA 12						
F»	LIQUID AMS	2.50	PMV 12						
9A»	RESICORE 3.29S	1.234	LAA 9	0	93	99	99	96	94
B	ATRAZINE DF	1.00	LAA 9						
C»	DURANGO 4AE	1.00	LAA 12						
D»	LIQUID AMS	2.50	PMV 12						
10A»	CORVUS 2.6SC	0.067	LAA 9	0	90	97	81	99	85
B»	CAPRENO 3.45 S	0.081	LAA 12						
C»	RNDUP POWERMAX	0.77	LAA 12						
D»	ACTIVATOR 90	0.25	PMV 12						
E»	LIQUID AMS	2.50	PMV 12						
11A»	SURESTART II 4	1.30	LAA 11	4	96	99	89	98	95
B	ATRAZINE DF	1.00	LAA 11						
C»	DURANGO 4AE	1.00	LAA 11						
D»	LIQUID AMS	2.50	PMV 11						
12A»	BAL FLEXX 2L	0.047	LAA 9	0	83	99	97	89	91
B	ATRAZINE DF	1.00	LAA 9						
C»	LIBERTY 2.34L	0.53	LAA 12						
D»	LIQUID AMS	2.50	PMV 12						

TITLE: Weed Control Systems in RR/LL Corn. 2404

TRT	TREATMENT	DOSAGE		ZEAMD	SETFA	CHEAL	AMATA	XANST	IPOHE	
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %	CON %	
					05/30/16	05/30/16	05/30/16	05/30/16	05/30/16	
13A»	HALEX GT 4.38L	1.97	LAA	11	6	96	99	99	98	96
	B ATRAZINE DF	1.00	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
14A»	ARMEZON PRO 5.	0.836	LAA	11	4	97	99	99	96	93
	B»RNDUP POWERMAX	1.00	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»COC	1.00	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
15A»	REALM Q	4.00	OMA	0	5	96	89	92	98	85
	B RESOLVE 25DF	0.0188	LAA	11						
	C»MESOTRIONE 50W	0.078	LAA	11						
	D»ISOXADIFEN-ETH	0.0094	LAA	11						
	E»RNDUP POWERMAX	0.77	LAA	11						
	F»COC	1.00	PMV	11						
	G»LIQUID AMS	2.50	PMV	11						
16A	CHECK	0.00	NA	0	0	0	0	0	0	0
17A»	ACURON 3.44 ZC	2.14	LAA	9	0	97	99	99	98	92
18A»	ACURON 3.44 ZC	2.14	LAA	9	0	98	99	99	94	93
	B ATRAZINE DF	1.00	LAA	9						
19A»	ACURON FLEXI 3	1.834	LAA	9	0	98	99	99	98	90
20A»	CORVUS 2.6SC	0.114	LAA	9	2	96	99	96	99	94
	B ATRAZINE DF	1.00	LAA	9						
21A»	RESICORE 3.29S	2.06	LAA	9	0	98	99	99	98	91
22A»	ANTHEM MAXX 4.	0.134	LAA	9	0	96	98	99	73	87
	B ATRAZINE DF	1.00	LAA	9						
23A	CINCH ATZ	2.75	LAA	9	0	96	99	99	94	88
	B»INSTIGATE	5.00	OMA	0						
	C»MESOTRIONE 50W	0.13	LAA	9						
	D RESOLVE 25DF	0.013	LAA	9						
24A»	VERDICT 5.57L	0.78	LAA	9	4	97	93	99	91	84
LSD (0.05)					1.4	4.2	3.9	3.2	12.4	8.7
STANDARD DEVIATION					0.7	2.1	2.0	1.6	6.2	4.3

TITLE: Weed Control Systems in RR/LL Corn. 2404
CREATED: 04/08/2016 **REVISED:** 01/10/2017 **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 NUM COMPONENT	DOSAGE RATE	UNIT	TM	ABUTH CON % 05/30/16	ZEAMD CON % 06/10/16	SETFA CON % 06/10/16	CHEAL CON % 06/10/16	AMATA CON % 06/10/16	XANST CON % 06/10/16
1A»ACURON 3.44 ZC	1.29	LAA	9	98	5	96	99	99	99
B»HALEX GT 4.38L	1.97	LAA	12						
C ATRAZINE DF	1.00	LAA	12						
D»ACTIVATOR 90	0.25	PMV	12						
E»LIQUID AMS	2.50	PMV	12						
2A»ACURON 3.44 ZC	1.29	LAA	9	99	4	97	99	99	99
B»ACURON 3.44 ZC	1.29	LAA	12						
C»RNDUP POWERMAX	0.77	LAA	12						
D»LIQUID AMS	2.50	PMV	12						
3A BICEP II MAG	1.72	LAA	9	85	5	97	99	99	99
B»HALEX GT 4.38L	1.97	LAA	12						
C ATRAZINE DF	1.00	LAA	12						
D»ACTIVATOR 90	0.25	PMV	12						
E»LIQUID AMS	2.50	PMV	12						
4A»RESICORE 3.29S	2.47	LAA	9	99	0	96	99	99	99
B ATRAZINE DF	1.00	LAA	9						
C»DURANGO 4AE	1.00	LAA	12						
D»LIQUID AMS	2.50	PMV	12						
5A»KEYSTONE NXT 5	4.20	LAA	9	96	0	97	99	99	99
B HORNET 68.5WG	0.171	LAA	9						
C»DURANGO 4AE	1.00	LAA	12						
D»LIQUID AMS	2.50	PMV	12						
6A»SURESTART II 4	1.30	LAA	9	96	0	97	99	99	99
B ATRAZINE DF	1.00	LAA	9						
C»DURANGO 4AE	1.00	LAA	12						
D»LIQUID AMS	2.50	PMV	12						
7A»CORVUS 2.6SC	0.114	LAA	9	96	7	96	99	99	99
B»RNDUP POWERMAX	0.77	LAA	12						
C»DIFLEXX 4L	0.375	LAA	12						
D»ACTIVATOR 90	0.25	PMV	12						
E»LIQUID AMS	2.50	PMV	12						
8A»RESICORE 3.29S	1.234	LAA	9	97	5	99	99	99	99
B ATRAZINE DF	1.00	LAA	9						
C»RESICORE 3.29S	1.028	LAA	12						
D ATRAZINE DF	0.50	LAA	12						
E»DURANGO 4AE	1.00	LAA	12						
F»LIQUID AMS	2.50	PMV	12						
9A»RESICORE 3.29S	1.234	LAA	9	99	0	96	99	99	99
B ATRAZINE DF	1.00	LAA	9						
C»DURANGO 4AE	1.00	LAA	12						
D»LIQUID AMS	2.50	PMV	12						
10A»CORVUS 2.6SC	0.067	LAA	9	98	3	98	99	99	99
B»CAPRENO 3.45 S	0.081	LAA	12						
C»RNDUP POWERMAX	0.77	LAA	12						
D»ACTIVATOR 90	0.25	PMV	12						
E»LIQUID AMS	2.50	PMV	12						
11A»SURESTART II 4	1.30	LAA	11	99	0	98	99	96	99
B ATRAZINE DF	1.00	LAA	11						
C»DURANGO 4AE	1.00	LAA	11						
D»LIQUID AMS	2.50	PMV	11						
12A»BAL FLEXX 2L	0.047	LAA	9	97	0	92	99	97	99
B ATRAZINE DF	1.00	LAA	9						
C»LIBERTY 2.34L	0.53	LAA	12						
D»LIQUID AMS	2.50	PMV	12						

TITLE: Weed Control Systems in RR/LL Corn. 2404

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	ABUTH CON % 05/30/16	ZEAMD CON % 06/10/16	SETFA CON % 06/10/16	CHEAL CON % 06/10/16	AMATA CON % 06/10/16	XANST CON % 06/10/16
13A»	HALEX GT 4.38L	1.97	LAA	11	99	0	97	99	99	99
	B ATRAZINE DF	1.00	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
14A»	ARMEZON PRO 5.	0.836	LAA	11	98	0	97	99	99	92
	B»RNDUP POWERMAX	1.00	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»COC	1.00	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
15A»	REALM Q	4.00	OMA	0	99	0	85	96	89	96
	B RESOLVE 25DF	0.0188	LAA	11						
	C»MESOTRIONE 50W	0.078	LAA	11						
	D»ISOXADIFEN-ETH	0.0094	LAA	11						
	E»RNDUP POWERMAX	0.77	LAA	11						
	F»COC	1.00	PMV	11						
	G»LIQUID AMS	2.50	PMV	11						
16A	CHECK	0.00	NA	0	0	0	0	0	0	0
17A»	ACURON 3.44 ZC	2.14	LAA	9	98	0	91	99	99	99
18A»	ACURON 3.44 ZC	2.14	LAA	9	98	0	94	99	99	93
	B ATRAZINE DF	1.00	LAA	9						
19A»	ACURON FLEXI 3	1.834	LAA	9	99	0	94	99	99	99
20A»	CORVUS 2.6SC	0.114	LAA	9	98	0	80	99	89	99
	B ATRAZINE DF	1.00	LAA	9						
21A»	RESICORE 3.29S	2.06	LAA	9	99	0	87	99	99	94
22A»	ANTHEM MAXX 4.	0.134	LAA	9	95	0	85	93	99	66
	B ATRAZINE DF	1.00	LAA	9						
23A	CINCH ATZ	2.75	LAA	9	98	0	84	99	99	91
	B»INSTIGATE	5.00	OMA	0						
	C»MESOTRIONE 50W	0.13	LAA	9						
	D RESOLVE 25DF	0.013	LAA	9						
24A»	VERDICT 5.57L	0.78	LAA	9	98	0	88	83	93	88
LSD (0.05)					3.7	1.0	5.3	6.1	5.0	14.5
STANDARD DEVIATION					1.8	0.5	2.6	3.1	2.5	7.3

TITLE: Weed Control Systems in RR/LL Corn. 2404

CREATED: 04/08/2016 REVISED: 01/10/2017

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			IPOHE	ABUTH	ZEAMD	SETFA	CHEAL	AMATA
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %	CON %	CON %
					06/10/16	06/10/16	07/01/16	07/01/16	07/01/16	07/01/16
1A»	ACURON 3.44 ZC	1.29	LAA	9	99	99	0	90	99	99
B»	HALEX GT 4.38L	1.97	LAA	12						
C	ATRAZINE DF	1.00	LAA	12						
D»	ACTIVATOR 90	0.25	PMV	12						
E»	LIQUID AMS	2.50	PMV	12						
2A»	ACURON 3.44 ZC	1.29	LAA	9	99	99	0	91	99	99
B»	ACURON 3.44 ZC	1.29	LAA	12						
C»	RNDUP POWERMAX	0.77	LAA	12						
D»	LIQUID AMS	2.50	PMV	12						
3A	BICEP II MAG	1.72	LAA	9	99	99	0	92	99	99
B»	HALEX GT 4.38L	1.97	LAA	12						
C	ATRAZINE DF	1.00	LAA	12						
D»	ACTIVATOR 90	0.25	PMV	12						
E»	LIQUID AMS	2.50	PMV	12						
4A»	RESICORE 3.29S	2.47	LAA	9	96	99	0	88	99	99
B	ATRAZINE DF	1.00	LAA	9						
C»	DURANGO 4AE	1.00	LAA	12						
D»	LIQUID AMS	2.50	PMV	12						
5A»	KEYSTONE NXT 5	4.20	LAA	9	94	99	0	90	99	99
B	HORNET 68.5WG	0.171	LAA	9						
C»	DURANGO 4AE	1.00	LAA	12						
D»	LIQUID AMS	2.50	PMV	12						
6A»	SURESTART II 4	1.30	LAA	9	90	99	0	88	99	98
B	ATRAZINE DF	1.00	LAA	9						
C»	DURANGO 4AE	1.00	LAA	12						
D»	LIQUID AMS	2.50	PMV	12						
7A»	CORVUS 2.6SC	0.114	LAA	9	95	99	0	85	99	99
B»	RNDUP POWERMAX	0.77	LAA	12						
C»	DIFLEXX 4L	0.375	LAA	12						
D»	ACTIVATOR 90	0.25	PMV	12						
E»	LIQUID AMS	2.50	PMV	12						
8A»	RESICORE 3.29S	1.234	LAA	9	99	99	0	98	99	99
B	ATRAZINE DF	1.00	LAA	9						
C»	RESICORE 3.29S	1.028	LAA	12						
D	ATRAZINE DF	0.50	LAA	12						
E»	DURANGO 4AE	1.00	LAA	12						
F»	LIQUID AMS	2.50	PMV	12						
9A»	RESICORE 3.29S	1.234	LAA	9	94	99	0	85	99	98
B	ATRAZINE DF	1.00	LAA	9						
C»	DURANGO 4AE	1.00	LAA	12						
D»	LIQUID AMS	2.50	PMV	12						
10A»	CORVUS 2.6SC	0.067	LAA	9	93	99	0	89	99	97
B»	CAPRENO 3.45 S	0.081	LAA	12						
C»	RNDUP POWERMAX	0.77	LAA	12						
D»	ACTIVATOR 90	0.25	PMV	12						
E»	LIQUID AMS	2.50	PMV	12						
11A»	SURESTART II 4	1.30	LAA	11	95	99	0	97	99	86
B	ATRAZINE DF	1.00	LAA	11						
C»	DURANGO 4AE	1.00	LAA	11						
D»	LIQUID AMS	2.50	PMV	11						
12A»	BAL FLEXX 2L	0.047	LAA	9	99	99	0	79	99	91
B	ATRAZINE DF	1.00	LAA	9						
C»	LIBERTY 2.34L	0.53	LAA	12						
D»	LIQUID AMS	2.50	PMV	12						

TITLE: Weed Control Systems in RR/LL Corn. 2404

TRT	TREATMENT	DOSAGE		IPOHE	ABUTH	ZEAMD	SETFA	CHEAL	AMATA
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				06/10/16	06/10/16	07/01/16	07/01/16	07/01/16	07/01/16
13A»	HALEX GT 4.38L	1.97	LAA 11	91	99	0	94	99	99
	B ATRAZINE DF	1.00	LAA 11						
	C»ACTIVATOR 90	0.25	PMV 11						
	D»LIQUID AMS	2.50	PMV 11						
14A»	ARMEZON PRO 5.	0.836	LAA 11	80	93	0	96	99	97
	B»RNDUP POWERMAX	1.00	LAA 11						
	C ATRAZINE DF	0.50	LAA 11						
	D»COC	1.00	PMV 11						
	E»LIQUID AMS	2.50	PMV 11						
15A»	REALM Q	4.00	OMA 0	84	96	0	72	97	89
	B RESOLVE 25DF	0.0188	LAA 11						
	C»MESOTRIONE 50W	0.078	LAA 11						
	D»ISOXADIFEN-ETH	0.0094	LAA 11						
	E»RNDUP POWERMAX	0.77	LAA 11						
	F»COC	1.00	PMV 11						
	G»LIQUID AMS	2.50	PMV 11						
16A	CHECK	0.00	NA 0	0	0	0	0	0	0
17A»	ACURON 3.44 ZC	2.14	LAA 9	75	96	0	78	99	99
18A»	ACURON 3.44 ZC	2.14	LAA 9	76	99	0	81	99	99
	B ATRAZINE DF	1.00	LAA 9						
19A»	ACURON FLEXI 3	1.834	LAA 9	77	99	0	86	99	99
20A»	CORVUS 2.6SC	0.114	LAA 9	86	98	0	65	99	77
	B ATRAZINE DF	1.00	LAA 9						
21A»	RESICORE 3.29S	2.06	LAA 9	76	99	0	74	99	99
22A»	ANTHEM MAXX 4.	0.134	LAA 9	77	82	0	72	93	99
	B ATRAZINE DF	1.00	LAA 9						
23A	CINCH ATZ	2.75	LAA 9	70	98	0	70	99	99
	B»INSTIGATE	5.00	OMA 0						
	C»MESOTRIONE 50W	0.13	LAA 9						
	D RESOLVE 25DF	0.013	LAA 9						
24A»	VERDICT 5.57L	0.78	LAA 9	58	96	0	72	78	86
LSD (0.05)				9.0	5.0	0.0	8.3	7.2	10.2
STANDARD DEVIATION				4.5	2.5	0.0	4.2	3.6	5.1

TITLE: Weed Control Systems in RR/LL Corn. 2404
CREATED: 04/08/2016 **REVISED:** 01/10/2017 **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 NUM COMPONENT	DOSAGE RATE	UNIT	TM	XANST CON % 07/01/16	IPOHE CON % 07/01/16	ABUTH CON % 07/01/16	YIELD BU/A 09/24/16
1A»ACURON 3.44 ZC	1.29	LAA	9	99	98	99	190.5
B»HALEX GT 4.38L	1.97	LAA	12				
C ATRAZINE DF	1.00	LAA	12				
D»ACTIVATOR 90	0.25	PMV	12				
E»LIQUID AMS	2.50	PMV	12				
2A»ACURON 3.44 ZC	1.29	LAA	9	99	98	99	186.3
B»ACURON 3.44 ZC	1.29	LAA	12				
C»RNDUP POWERMAX	0.77	LAA	12				
D»LIQUID AMS	2.50	PMV	12				
3A BICEP II MAG	1.72	LAA	9	99	99	99	187.9
B»HALEX GT 4.38L	1.97	LAA	12				
C ATRAZINE DF	1.00	LAA	12				
D»ACTIVATOR 90	0.25	PMV	12				
E»LIQUID AMS	2.50	PMV	12				
4A»RESICORE 3.29S	2.47	LAA	9	99	94	99	185.2
B ATRAZINE DF	1.00	LAA	9				
C»DURANGO 4AE	1.00	LAA	12				
D»LIQUID AMS	2.50	PMV	12				
5A»KEYSTONE NXT 5	4.20	LAA	9	99	97	99	176.0
B HORNET 68.5WG	0.171	LAA	9				
C»DURANGO 4AE	1.00	LAA	12				
D»LIQUID AMS	2.50	PMV	12				
6A»SURESTART II 4	1.30	LAA	9	99	87	99	182.3
B ATRAZINE DF	1.00	LAA	9				
C»DURANGO 4AE	1.00	LAA	12				
D»LIQUID AMS	2.50	PMV	12				
7A»CORVUS 2.6SC	0.114	LAA	9	99	95	99	179.9
B»RNDUP POWERMAX	0.77	LAA	12				
C»DIFLEXX 4L	0.375	LAA	12				
D»ACTIVATOR 90	0.25	PMV	12				
E»LIQUID AMS	2.50	PMV	12				
8A»RESICORE 3.29S	1.234	LAA	9	99	98	99	178.7
B ATRAZINE DF	1.00	LAA	9				
C»RESICORE 3.29S	1.028	LAA	12				
D ATRAZINE DF	0.50	LAA	12				
E»DURANGO 4AE	1.00	LAA	12				
F»LIQUID AMS	2.50	PMV	12				
9A»RESICORE 3.29S	1.234	LAA	9	99	95	99	183.6
B ATRAZINE DF	1.00	LAA	9				
C»DURANGO 4AE	1.00	LAA	12				
D»LIQUID AMS	2.50	PMV	12				
10A»CORVUS 2.6SC	0.067	LAA	9	99	96	99	174.0
B»CAPRENO 3.45 S	0.081	LAA	12				
C»RNDUP POWERMAX	0.77	LAA	12				
D»ACTIVATOR 90	0.25	PMV	12				
E»LIQUID AMS	2.50	PMV	12				
11A»SURESTART II 4	1.30	LAA	11	99	91	99	179.4
B ATRAZINE DF	1.00	LAA	11				
C»DURANGO 4AE	1.00	LAA	11				
D»LIQUID AMS	2.50	PMV	11				
12A»BAL FLEXX 2L	0.047	LAA	9	99	96	99	181.9
B ATRAZINE DF	1.00	LAA	9				
C»LIBERTY 2.34L	0.53	LAA	12				
D»LIQUID AMS	2.50	PMV	12				

TITLE: Weed Control Systems in RR/LL Corn. 2404

TRT	TREATMENT	DOSAGE		XANST	IPOHE	ABUTH	YIELD	
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	BU/A
					07/01/16	07/01/16	07/01/16	09/24/16
13A»	HALEX GT 4.38L	1.97	LAA	11	99	93	99	182.5
	B ATRAZINE DF	1.00	LAA	11				
	C»ACTIVATOR 90	0.25	PMV	11				
	D»LIQUID AMS	2.50	PMV	11				
14A»	ARMEZON PRO 5.	0.836	LAA	11	86	73	89	184.9
	B»RNDUP POWERMAX	1.00	LAA	11				
	C ATRAZINE DF	0.50	LAA	11				
	D»COC	1.00	PMV	11				
	E»LIQUID AMS	2.50	PMV	11				
15A»	REALM Q	4.00	OMA	0	94	80	98	185.1
	B RESOLVE 25DF	0.0188	LAA	11				
	C»MESOTRIONE 50W	0.078	LAA	11				
	D»ISOXADIFEN-ETH	0.0094	LAA	11				
	E»RNDUP POWERMAX	0.77	LAA	11				
	F»COC	1.00	PMV	11				
	G»LIQUID AMS	2.50	PMV	11				
16A	CHECK	0.00	NA	0	0	0	0	35.5
17A»	ACURON 3.44 ZC	2.14	LAA	9	99	50	91	175.8
18A»	ACURON 3.44 ZC	2.14	LAA	9	89	63	99	187.1
	B ATRAZINE DF	1.00	LAA	9				
19A»	ACURON FLEXI 3	1.834	LAA	9	99	67	99	188.3
20A»	CORVUS 2.6SC	0.114	LAA	9	99	83	99	180.4
	B ATRAZINE DF	1.00	LAA	9				
21A»	RESICORE 3.29S	2.06	LAA	9	95	65	99	192.5
22A»	ANTHEM MAXX 4.	0.134	LAA	9	65	63	73	179.8
	B ATRAZINE DF	1.00	LAA	9				
23A	CINCH ATZ	2.75	LAA	9	83	63	94	171.6
	B»INSTIGATE	5.00	OMA	0				
	C»MESOTRIONE 50W	0.13	LAA	9				
	D RESOLVE 25DF	0.013	LAA	9				
24A»	VERDICT 5.57L	0.78	LAA	9	81	40	89	176.6
LSD (0.05)					21.3	15.3	9.6	14.92
STANDARD DEVIATION					10.6	7.6	4.8	7.46

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = --- / UNTREATED TIMING
 09 = --- / PREEMERGENCE 04/18/2016(1)
 11 = --- / EPOST 05/22/2016(2)
 12 = --- / POST 05/31/2016(3)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECI	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	ZEAMD	CON %	05/30/2016	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	05/30/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	05/30/2016	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	05/30/2016	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	XANST	CON %	05/30/2016	05	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	IPOHE	CON %	05/30/2016	06	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ABUTH	CON %	05/30/2016	07	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ZEAMD	CON %	06/10/2016	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	SETFA	CON %	06/10/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	06/10/2016	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	AMATA	CON %	06/10/2016	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	XANST	CON %	06/10/2016	05	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	IPOHE	CON %	06/10/2016	06	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	ABUTH	CON %	06/10/2016	07	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	ZEAMD	CON %	07/01/2016	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TITLE: Weed Control Systems in RR/LL Corn. 2404

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECI	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
016	SETFA	CON %	07/01/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	CHEAL	CON %	07/01/2016	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	AMATA	CON %	07/01/2016	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	XANST	CON %	07/01/2016	05	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	IPOHE	CON %	07/01/2016	06	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	ABUTH	CON %	07/01/2016	07	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
022	YIELD	BU/A	09/24/2016	01	P	ZEAMD		RAW	ALL	YLD	BU	---	1.00 A	NO	0001	0	N

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

01 = STINE R9635SS