

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: CL
 PH: 6.3
 %OM: 2.2
 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	10	
TYPE	LIQUID MI	
APPLICATION DATE	05/15/16	AME
TIME - BEGIN	10:15	24H
TIME - END	11:00	24H
AIR TEMPERATURE	57	F
% REL.HUMIDITY	38	
WIND DIRECTION	NORTHWEST	
WIND SPEED	9.0	M/H
CLOUD COVER	CLEAR-0%	
DEW	NO	
SOIL MOISTURE	MOIST/MOI	
SOIL CONDITION	TO BE SEL	
SOIL TEMP/DEPTH	55/4.00	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	---/13	
STINE R9635SS	4.00/5.00	IN
(PLANTED) 04/18/2016	27 DAP	
PEST *		
P, tall amaranth;co	---/13	
	0.50/1.00	IN
P, common lambsquar	---/16	
	0.50/1.00	IN
P, ivy-leaf morning	---/10	
	0.50/1.00	IN

*** CONTINUE

SPECIE AND STAGE	DEN / STG	
	MIN / MAX	
PEST * P, giant foxtail;no	---/12 0.50/2.00	IN
P, beach cocklebur;	---/12 1.00/2.00	IN

* TIMING CODES

10 = --- / VEPOST

* STAGE CODE

10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED
12 = 2 LEAVES UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3 LEAVES UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Bayer Post Combinations for Weed Control in RR/LL Corn. 3105
CREATED: 04/08/2016 **REVISED:** 09/09/2016 **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	ZEAMD	SETFA	CHEAL	AMATA	IPOHE
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				05/22/16	05/30/16	05/30/16	05/30/16	05/30/16	05/30/16
1A»	CORVUS 2.6SC	0.092	LAA 10	7	3	89	99	99	97
B	ATRAZINE DF	0.50	LAA 10						
2A»	ACURON 3.44 ZC	1.72	LAA 10	7	3	78	99	99	99
3A»	RESICORE 3.29S	1.65	LAA 10	13	5	84	99	99	98
B	ATRAZINE DF	0.50	LAA 10						
4A»	CAPRENO 3.45 S	0.081	LAA 10	10	4	96	99	99	99
B»	RNDUP POWERMAX	0.42	LAA 10						
C	ATRAZINE DF	0.50	LAA 10						
D»	COC	1.00	PMV 10						
5A»	HALEX GT 4.38L	1.97	LAA 10	7	3	93	99	99	98
B	ATRAZINE DF	0.50	LAA 10						
C»	ACTIVATOR 90	0.25	PMV 10						
6A»	DIFLEXX 4L	0.25	LAA 10	3	0	30	98	99	99
B»	COC	1.00	PMV 10						
7A»	STATUS 56DG	0.105	LAA 10	3	0	43	93	99	96
B»	COC	1.00	PMV 10						
8A»	CORVUS 2.6SC	0.092	LAA 10	7	3	91	99	99	99
B»	DIFLEXX 4L	0.25	LAA 10						
C	ATRAZINE DF	0.50	LAA 10						
9A»	ACURON 3.44 ZC	1.72	LAA 10	7	3	86	99	99	99
B»	DIFLEXX 4L	0.25	LAA 10						
10A»	RESICORE 3.29S	1.65	LAA 10	14	5	86	99	99	98
B»	DIFLEXX 4L	0.25	LAA 10						
C	ATRAZINE DF	0.50	LAA 10						
11A»	CAPRENO 3.45 S	0.081	LAA 10	8	4	94	99	99	98
B»	RNDUP POWERMAX	0.42	LAA 10						
C»	DIFLEXX 4L	0.25	LAA 10						
D	ATRAZINE DF	0.50	LAA 10						
E»	COC	1.00	PMV 10						
12A»	HALEX GT 4.38L	1.97	LAA 10	7	3	88	99	99	98
B»	DIFLEXX 4L	0.25	LAA 10						
C	ATRAZINE DF	0.50	LAA 10						
D»	ACTIVATOR 90	0.25	PMV 10						
13A»	CORVUS 2.6SC	0.092	LAA 10	7	3	89	99	99	99
B»	STATUS 56DG	0.105	LAA 10						
C	ATRAZINE DF	0.50	LAA 10						
14A	CHECK	0.00	NA 0	0	0	0	0	0	0
15A»	ACURON 3.44 ZC	1.72	LAA 10	6	3	83	99	99	99
B»	STATUS 56DG	0.105	LAA 10						
16A»	RESICORE 3.29S	1.65	LAA 10	11	4	89	99	99	98
B»	STATUS 56DG	0.105	LAA 10						
C	ATRAZINE DF	0.50	LAA 10						
17A»	CAPRENO 3.45 S	0.081	LAA 10	9	4	95	99	99	99
B»	RNDUP POWERMAX	0.42	LAA 10						
C»	STATUS 56DG	0.105	LAA 10						
D	ATRAZINE DF	0.50	LAA 10						
E»	COC	1.00	PMV 10						
18A»	HALEX GT 4.38L	1.97	LAA 10	6	3	96	99	99	98
B»	STATUS 56DG	0.105	LAA 10						
C	ATRAZINE DF	0.50	LAA 10						
D»	ACTIVATOR 90	0.25	PMV 10						

TITLE: Bayer Post Combinations for Weed Control in RR/LL Corn. 3105

LSD (0.05)	1.5	0.9	6.8	2.2	0.0	2.4
STANDARD DEVIATION	0.7	0.4	3.4	1.1	0.0	1.2

TITLE: Bayer Post Combinations for Weed Control in RR/LL Corn. 3105
CREATED: 04/08/2016 **REVISED:** 09/09/2016 **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		XANST	ZEAMD	SETFA	CHEAL	AMATA	IPOHE
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				05/30/16	06/10/16	06/10/16	06/10/16	06/10/16	06/10/16
1A»	CORVUS 2.6SC	0.092	LAA 10	96	0	81	99	99	86
B	ATRAZINE DF	0.50	LAA 10						
2A»	ACURON 3.44 ZC	1.72	LAA 10	99	0	71	99	99	99
3A»	RESICORE 3.29S	1.65	LAA 10	98	0	81	99	99	99
B	ATRAZINE DF	0.50	LAA 10						
4A»	CAPRENO 3.45 S	0.081	LAA 10	99	0	88	99	99	99
B»	RNDUP POWERMAX	0.42	LAA 10						
C	ATRAZINE DF	0.50	LAA 10						
D»	COC	1.00	PMV 10						
5A»	HALEX GT 4.38L	1.97	LAA 10	98	0	88	99	99	94
B	ATRAZINE DF	0.50	LAA 10						
C»	ACTIVATOR 90	0.25	PMV 10						
6A»	DIFLEXX 4L	0.25	LAA 10	91	0	17	99	99	99
B»	COC	1.00	PMV 10						
7A»	STATUS 56DG	0.105	LAA 10	94	0	47	99	99	99
B»	COC	1.00	PMV 10						
8A»	CORVUS 2.6SC	0.092	LAA 10	99	0	79	99	99	94
B»	DIFLEXX 4L	0.25	LAA 10						
C	ATRAZINE DF	0.50	LAA 10						
9A»	ACURON 3.44 ZC	1.72	LAA 10	99	0	79	99	99	99
B»	DIFLEXX 4L	0.25	LAA 10						
10A»	RESICORE 3.29S	1.65	LAA 10	98	0	78	99	99	99
B»	DIFLEXX 4L	0.25	LAA 10						
C	ATRAZINE DF	0.50	LAA 10						
11A»	CAPRENO 3.45 S	0.081	LAA 10	96	0	77	99	99	99
B»	RNDUP POWERMAX	0.42	LAA 10						
C»	DIFLEXX 4L	0.25	LAA 10						
D	ATRAZINE DF	0.50	LAA 10						
E»	COC	1.00	PMV 10						
12A»	HALEX GT 4.38L	1.97	LAA 10	95	0	87	99	99	99
B»	DIFLEXX 4L	0.25	LAA 10						
C	ATRAZINE DF	0.50	LAA 10						
D»	ACTIVATOR 90	0.25	PMV 10						
13A»	CORVUS 2.6SC	0.092	LAA 10	96	0	78	99	99	99
B»	STATUS 56DG	0.105	LAA 10						
C	ATRAZINE DF	0.50	LAA 10						
14A	CHECK	0.00	NA 0	0	0	0	0	0	0
15A»	ACURON 3.44 ZC	1.72	LAA 10	98	0	76	99	99	99
B»	STATUS 56DG	0.105	LAA 10						
16A»	RESICORE 3.29S	1.65	LAA 10	98	0	81	99	99	99
B»	STATUS 56DG	0.105	LAA 10						
C	ATRAZINE DF	0.50	LAA 10						
17A»	CAPRENO 3.45 S	0.081	LAA 10	91	0	83	99	99	99
B»	RNDUP POWERMAX	0.42	LAA 10						
C»	STATUS 56DG	0.105	LAA 10						
D	ATRAZINE DF	0.50	LAA 10						
E»	COC	1.00	PMV 10						
18A»	HALEX GT 4.38L	1.97	LAA 10	96	0	94	99	99	91
B»	STATUS 56DG	0.105	LAA 10						
C	ATRAZINE DF	0.50	LAA 10						
D»	ACTIVATOR 90	0.25	PMV 10						

TITLE: Bayer Post Combinations for Weed Control in RR/LL Corn. 3105

LSD (0.05)	5.2	0.0	9.0	0.0	0.0	6.3
STANDARD DEVIATION	2.6	0.0	4.5	0.0	0.0	3.1

TITLE: Bayer Post Combinations for Weed Control in RR/LL Corn. 3105
CREATED: 04/08/2016 **REVISED:** 09/09/2016 **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		XANST	ZEAMD	SETFA	CHEAL	AMATA	IPOHE
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				06/10/16	06/23/16	06/23/16	06/23/16	06/23/16	06/23/16
1A»	CORVUS 2.6SC	0.092	LAA 10	93	0	71	99	99	76
B	ATRAZINE DF	0.50	LAA 10						
2A»	ACURON 3.44 ZC	1.72	LAA 10	99	0	58	99	99	99
3A»	RESICORE 3.29S	1.65	LAA 10	99	0	69	99	99	93
B	ATRAZINE DF	0.50	LAA 10						
4A»	CAPRENO 3.45 S	0.081	LAA 10	91	0	75	99	99	99
B»	RNDUP POWERMAX	0.42	LAA 10						
C	ATRAZINE DF	0.50	LAA 10						
D»	COC	1.00	PMV 10						
5A»	HALEX GT 4.38L	1.97	LAA 10	90	0	83	99	99	93
B	ATRAZINE DF	0.50	LAA 10						
C»	ACTIVATOR 90	0.25	PMV 10						
6A»	DIFLEXX 4L	0.25	LAA 10	75	0	7	99	99	99
B»	COC	1.00	PMV 10						
7A»	STATUS 56DG	0.105	LAA 10	86	0	23	99	99	99
B»	COC	1.00	PMV 10						
8A»	CORVUS 2.6SC	0.092	LAA 10	91	0	68	99	99	93
B»	DIFLEXX 4L	0.25	LAA 10						
C	ATRAZINE DF	0.50	LAA 10						
9A»	ACURON 3.44 ZC	1.72	LAA 10	99	0	67	99	99	99
B»	DIFLEXX 4L	0.25	LAA 10						
10A»	RESICORE 3.29S	1.65	LAA 10	96	0	74	99	99	99
B»	DIFLEXX 4L	0.25	LAA 10						
C	ATRAZINE DF	0.50	LAA 10						
11A»	CAPRENO 3.45 S	0.081	LAA 10	86	0	68	99	99	99
B»	RNDUP POWERMAX	0.42	LAA 10						
C»	DIFLEXX 4L	0.25	LAA 10						
D	ATRAZINE DF	0.50	LAA 10						
E»	COC	1.00	PMV 10						
12A»	HALEX GT 4.38L	1.97	LAA 10	88	0	80	99	99	99
B»	DIFLEXX 4L	0.25	LAA 10						
C	ATRAZINE DF	0.50	LAA 10						
D»	ACTIVATOR 90	0.25	PMV 10						
13A»	CORVUS 2.6SC	0.092	LAA 10	88	0	70	99	99	99
B»	STATUS 56DG	0.105	LAA 10						
C	ATRAZINE DF	0.50	LAA 10						
14A	CHECK	0.00	NA 0	0	0	0	0	0	0
15A»	ACURON 3.44 ZC	1.72	LAA 10	94	0	65	99	99	98
B»	STATUS 56DG	0.105	LAA 10						
16A»	RESICORE 3.29S	1.65	LAA 10	99	0	76	99	99	99
B»	STATUS 56DG	0.105	LAA 10						
C	ATRAZINE DF	0.50	LAA 10						
17A»	CAPRENO 3.45 S	0.081	LAA 10	72	0	68	99	99	99
B»	RNDUP POWERMAX	0.42	LAA 10						
C»	STATUS 56DG	0.105	LAA 10						
D	ATRAZINE DF	0.50	LAA 10						
E»	COC	1.00	PMV 10						
18A»	HALEX GT 4.38L	1.97	LAA 10	90	0	85	99	99	90
B»	STATUS 56DG	0.105	LAA 10						
C	ATRAZINE DF	0.50	LAA 10						
D»	ACTIVATOR 90	0.25	PMV 10						

TITLE: Bayer Post Combinations for Weed Control in RR/LL Corn. 3105
CREATED: 04/08/2016 **REVISED:** 09/09/2016 **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	XANST	CON %
NUM	COMPONENT	RATE	UNIT TM	06/23/16
1A»	CORVUS 2.6SC	0.092	LAA 10	93
B	ATRAZINE DF	0.50	LAA 10	
2A»	ACURON 3.44 ZC	1.72	LAA 10	99
3A»	RESICORE 3.29S	1.65	LAA 10	99
B	ATRAZINE DF	0.50	LAA 10	
4A»	CAPRENO 3.45 S	0.081	LAA 10	93
B»	RNDUP POWERMAX	0.42	LAA 10	
C	ATRAZINE DF	0.50	LAA 10	
D»	COC	1.00	PMV 10	
5A»	HALEX GT 4.38L	1.97	LAA 10	90
B	ATRAZINE DF	0.50	LAA 10	
C»	ACTIVATOR 90	0.25	PMV 10	
6A»	DIFLEXX 4L	0.25	LAA 10	73
B»	COC	1.00	PMV 10	
7A»	STATUS 56DG	0.105	LAA 10	85
B»	COC	1.00	PMV 10	
8A»	CORVUS 2.6SC	0.092	LAA 10	86
B»	DIFLEXX 4L	0.25	LAA 10	
C	ATRAZINE DF	0.50	LAA 10	
9A»	ACURON 3.44 ZC	1.72	LAA 10	99
B»	DIFLEXX 4L	0.25	LAA 10	
10A»	RESICORE 3.29S	1.65	LAA 10	96
B»	DIFLEXX 4L	0.25	LAA 10	
C	ATRAZINE DF	0.50	LAA 10	
11A»	CAPRENO 3.45 S	0.081	LAA 10	87
B»	RNDUP POWERMAX	0.42	LAA 10	
C»	DIFLEXX 4L	0.25	LAA 10	
D	ATRAZINE DF	0.50	LAA 10	
E»	COC	1.00	PMV 10	
12A»	HALEX GT 4.38L	1.97	LAA 10	87
B»	DIFLEXX 4L	0.25	LAA 10	
C	ATRAZINE DF	0.50	LAA 10	
D»	ACTIVATOR 90	0.25	PMV 10	
13A»	CORVUS 2.6SC	0.092	LAA 10	83
B»	STATUS 56DG	0.105	LAA 10	
C	ATRAZINE DF	0.50	LAA 10	
14A	CHECK	0.00	NA 0	0
15A»	ACURON 3.44 ZC	1.72	LAA 10	93
B»	STATUS 56DG	0.105	LAA 10	
16A»	RESICORE 3.29S	1.65	LAA 10	99
B»	STATUS 56DG	0.105	LAA 10	
C	ATRAZINE DF	0.50	LAA 10	
17A»	CAPRENO 3.45 S	0.081	LAA 10	57
B»	RNDUP POWERMAX	0.42	LAA 10	
C»	STATUS 56DG	0.105	LAA 10	
D	ATRAZINE DF	0.50	LAA 10	
E»	COC	1.00	PMV 10	
18A»	HALEX GT 4.38L	1.97	LAA 10	88
B»	STATUS 56DG	0.105	LAA 10	
C	ATRAZINE DF	0.50	LAA 10	
D»	ACTIVATOR 90	0.25	PMV 10	

TITLE: Bayer Post Combinations for Weed Control in RR/LL Corn. 3105

LSD (0.05) 14.9
STANDARD DEVIATION 7.4

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = --- / UNTREATED TIMING
10 = --- / VEPOST 05/15/2016(1)

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 %	05/22/2016	01	P	ZEAMD		RAW	ALL	CON %	---		1.00 PL	NO	0001	0	N
002	ZEAMD	CON %	05/30/2016	01	P	ZEAMD		RAW	ALL	CON %	---		1.00 PL	NO	0001	0	N
003	SETFA	CON %	05/30/2016	02	P	SETFA		RAW	ALL	CON %	---		1.00 PL	NO	0001	0	N
004	CHEAL	CON %	05/30/2016	03	P	CHEAL		RAW	ALL	CON %	---		1.00 PL	NO	0001	0	N
005	AMATA	CON %	05/30/2016	04	P	AMATA		RAW	ALL	CON %	---		1.00 PL	NO	0001	0	N
006	IPOHE	CON %	05/30/2016	05	P	IPOHE		RAW	ALL	CON %	---		1.00 PL	NO	0001	0	N
007	XANST	CON %	05/30/2016	06	P	XANST		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	IPOHE	CON %	06/10/2016	05	P	IPOHE		RAW	ALL	CON %	---		1.00 PL	NO	0001	0	N
013	XANST	CON %	06/10/2016	06	P	XANST		RAW	ALL	CON %	---		1.00 PL	NO	0001	0	N
014	ZEAMD	CON %	06/23/2016	01	P	ZEAMD		RAW	ALL	CON %	---		1.00 PL	NO	0001	0	N
015	SETFA	CON %	06/23/2016	02	P	SETFA		RAW	ALL	CON %	---		1.00 PL	NO	0001	0	N
016	CHEAL	CON %	06/23/2016	03	P	CHEAL		RAW	ALL	CON %	---		1.00 PL	NO	0001	0	N
017	AMATA	CON %	06/23/2016	04	P	AMATA		RAW	ALL	CON %	---		1.00 PL	NO	0001	0	N
018	IPOHE	CON %	06/23/2016	05	P	IPOHE		RAW	ALL	CON %	---		1.00 PL	NO	0001	0	N
019	XANST	CON %	06/23/2016	06	P	XANST		RAW	ALL	CON %	---		1.00 PL	NO	0001	0	N

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

01 = STINE R9635SS