

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
PH:
%OM: 0.0
PREV.CROP: NA - NONE
%RESIDUE: 0
PLOT WIDTH: 10 X 30 FEET
PLOT AREA: 300 FEET

DESIGN: RCB
REPS: 3

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQMIX	
APPLICATION DATE	06/29/10	AME
AIR TEMPERATURE	87	F
% REL.HUMIDITY	32	
WIND DIRECTION	NORTHEAST	
WIND SPEED	3.5	M/H
CLOUD COVER	PARTCLDY	
DEW	NO	
SOIL MOISTURE	MOIST/MOI	
SOIL CONDITION	COMPACT	
METHOD	SPRAY	
EQUIPMENT	SPRBAC	
PROPELLANT	COMCO2	
PLACEMENT	BRFOSO	
NOZZLE	FLATFAN	
NOZZLE NUMBER	6	
NOZZLE SPACING	20.000	IN
SCREEN SIZE		
SCREEN SZ DESC	NA	
SWATH WIDTH	10.0	FT
SPRAY VOLUME	20.00	
SPRAY VOLUME UNIT	GPA	
PRESSURE	32.00	PSI
DILUENT	WATER	
INC. DATE		AME
INC. START		24H
INC. END		24H
INC. DEPTH		IN
INC. EQUIPMENT	---	
	DN/SG/MMZ	
*** CROP ***		
CORN, DENT	---/36	
PIONEER 1395HR	20.0/20.0	IN
06/01/2010		
*** PEST ***		
WATERHEMP, TALL	---/19	
	13.0/13.0	IN
RAGWEED, COMMON	---/14	
	12.0/12.0	IN
MORNINGGLORY	---/15	
	8.00/8.00	IN
PANICUM, FALL	---/16	
	26.0/26.0	IN
FOXTAIL, GIANT	---/16	
	26.0/26.0	IN

* TIMING CODES
12 = ----- / POST

* STAGE CODE
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6 LEAVES UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
36 = 6 NODES DETECTABLE

TITLE: Syngenta Postemergence Weed Control Systems in RR/LL Corn. E3
CREATED: 04/10/2010 **REVISED:** 11/18/2010 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Brownstown **RESEARCHED BY:**
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT WIDE X 30.00 FT LONG
PLOT AREA: 300.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		ZEAMD	ZEAMD	ZEAMD	ZEAMD	SETFA	PANDI
		RATE	UNIT TM	3 DAT 07/02/10	7 DAT 07/09/10	21 DAT 07/23/10	35 DAT 08/05/10	7 DAT 07/09/10	7 DAT 07/09/10
1A»	TOUCHDN TOTAL	0.78	LAA 12	12	0	0	0	88	83
	B»CALLISTO XTRA	0.58	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
2A»	TOUCHDN TOTAL	0.78	LAA 12	17	3	0	0	83	80
	B»CALLISTO XTRA	0.69	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
3A»	TOUCHDN TOTAL	0.78	LAA 12	25	3	0	0	87	84
	B»LAUDIS 3.5SC	0.055	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
4A»	TOUCHDN TOTAL	0.78	LAA 12	22	3	0	0	85	80
	B IMPACT 2.8SC	0.011	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
5A»	TOUCHDN TOTAL	0.78	LAA 12	14	1	0	0	89	84
	B»STATUS 56DG	0.088	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
6A»	TOUCHDN TOTAL	0.78	LAA 12	22	6	0	0	89	84
	B»LIQUID AMS	2.50	PMV 12						
7A»	HALEX GT 4.38L	1.97	LAA 12	5	1	0	0	82	82
	B ATRAZINE DF	0.50	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
8A»	TOUCHDN TOTAL	0.78	LAA 12	7	1	0	0	89	81
	B»LAUDIS 3.5SC	0.055	LAA 12						
	C ATRAZINE DF	0.50	LAA 12						
	D»LIQUID AMS	2.50	PMV 12						
9A»	TOUCHDN TOTAL	0.78	LAA 12	10	3	0	0	82	73
	B IMPACT 2.8SC	0.011	LAA 12						
	C ATRAZINE DF	0.50	LAA 12						
	D»LIQUID AMS	2.50	PMV 12						
10A	CHECK	0.00	NA 0	0	0	0	0	0	0
11A»	TOUCHDN TOTAL	0.78	LAA 12	8	1	0	0	88	81
	B»STATUS 56DG	0.088	LAA 12						
	C ATRAZINE DF	0.50	LAA 12						
	D»LIQUID AMS	2.50	PMV 12						
12A	IMPACT 2.8SC	0.022	LAA 12	1	0	0	0	66	66
	B ATRAZINE DF	0.50	LAA 12						
	C»MSO	1.00	PMV 12						
	D»LIQUID AMS	2.50	PMV 12						
	LSD (0.05)			18.68	5.53	0.00	0.00	15.56	10.73
	STANDARD DEVIATION			9.00	2.66	0.00	0.00	7.50	5.17

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DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT WIDE X 30.00 FT LONG
PLOT AREA: 300.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		AMBEL	IPOSS	AMATU	SETFA	PANDI	AMBEL
		RATE	UNIT TM	7 DAT 07/09/10	7 DAT 07/09/10	7 DAT 07/09/10	21 DAT 07/23/10	21 DAT 07/23/10	21 DAT 07/23/10
1A»	TOUCHDN TOTAL	0.78	LAA 12	99	98	99	98	98	99
B»	CALLISTO XTRA	0.58	LAA 12						
C»	LIQUID AMS	2.50	PMV 12						
2A»	TOUCHDN TOTAL	0.78	LAA 12	99	98	97	98	98	99
B»	CALLISTO XTRA	0.69	LAA 12						
C»	LIQUID AMS	2.50	PMV 12						
3A»	TOUCHDN TOTAL	0.78	LAA 12	89	86	89	98	98	99
B»	LAUDIS 3.5SC	0.055	LAA 12						
C»	LIQUID AMS	2.50	PMV 12						
4A»	TOUCHDN TOTAL	0.78	LAA 12	96	98	98	98	98	99
B	IMPACT 2.8SC	0.011	LAA 12						
C»	LIQUID AMS	2.50	PMV 12						
5A»	TOUCHDN TOTAL	0.78	LAA 12	98	99	99	98	98	99
B»	STATUS 56DG	0.088	LAA 12						
C»	LIQUID AMS	2.50	PMV 12						
6A»	TOUCHDN TOTAL	0.78	LAA 12	91	93	96	99	99	98
B»	LIQUID AMS	2.50	PMV 12						
7A»	HALEX GT 4.38L	1.97	LAA 12	99	95	94	99	98	99
B	ATRAZINE DF	0.50	LAA 12						
C»	LIQUID AMS	2.50	PMV 12						
8A»	TOUCHDN TOTAL	0.78	LAA 12	99	96	97	98	98	99
B»	LAUDIS 3.5SC	0.055	LAA 12						
C	ATRAZINE DF	0.50	LAA 12						
D»	LIQUID AMS	2.50	PMV 12						
9A»	TOUCHDN TOTAL	0.78	LAA 12	98	95	95	98	98	99
B	IMPACT 2.8SC	0.011	LAA 12						
C	ATRAZINE DF	0.50	LAA 12						
D»	LIQUID AMS	2.50	PMV 12						
10A	CHECK	0.00	NA 0	0	0	0	0	0	0
11A»	TOUCHDN TOTAL	0.78	LAA 12	98	99	95	98	98	99
B»	STATUS 56DG	0.088	LAA 12						
C	ATRAZINE DF	0.50	LAA 12						
D»	LIQUID AMS	2.50	PMV 12						
12A	IMPACT 2.8SC	0.022	LAA 12	99	99	99	50	50	99
B	ATRAZINE DF	0.50	LAA 12						
C»	MISO	1.00	PMV 12						
D»	LIQUID AMS	2.50	PMV 12						
	LSD (0.05)			10.00	10.35	8.75	8.56	8.57	1.13
	STANDARD DEVIATION			4.83	5.00	4.22	4.13	4.13	0.544

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PLOT AREA: 300.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			IPOSS	AMATU	SETFA	PANDI	AMBEL	IPOSS
		RATE	UNIT	TM	21 DAT 07/23/10	21 DAT 07/23/10	35 DAT 08/05/10	35 DAT 08/05/10	35 DAT 08/05/10	35 DAT 08/05/10
1A»	TOUCHDN TOTAL	0.78	LAA	12	99	99	97	97	99	97
	B»CALLISTO XTRA	0.58	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
2A»	TOUCHDN TOTAL	0.78	LAA	12	99	99	96	96	99	96
	B»CALLISTO XTRA	0.69	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
3A»	TOUCHDN TOTAL	0.78	LAA	12	96	99	94	94	99	95
	B»LAUDIS 3.5SC	0.055	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
4A»	TOUCHDN TOTAL	0.78	LAA	12	97	99	93	93	99	94
	B IMPACT 2.8SC	0.011	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
5A»	TOUCHDN TOTAL	0.78	LAA	12	99	96	95	95	99	99
	B»STATUS 56DG	0.088	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
6A»	TOUCHDN TOTAL	0.78	LAA	12	98	95	90	90	98	97
	B»LIQUID AMS	2.50	PMV	12						
7A»	HALEX GT 4.38L	1.97	LAA	12	98	99	97	97	99	95
	B ATRAZINE DF	0.50	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
8A»	TOUCHDN TOTAL	0.78	LAA	12	98	99	97	97	99	96
	B»LAUDIS 3.5SC	0.055	LAA	12						
	C ATRAZINE DF	0.50	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
9A»	TOUCHDN TOTAL	0.78	LAA	12	99	99	96	96	99	96
	B IMPACT 2.8SC	0.011	LAA	12						
	C ATRAZINE DF	0.50	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
11A»	TOUCHDN TOTAL	0.78	LAA	12	99	99	94	94	99	97
	B»STATUS 56DG	0.088	LAA	12						
	C ATRAZINE DF	0.50	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
12A	IMPACT 2.8SC	0.022	LAA	12	99	97	23	23	99	99
	B ATRAZINE DF	0.50	LAA	12						
	C»MSO	1.00	PMV	12						
	D»LIQUID AMS	2.50	PMV	12						
		LSD (0.05)			2.75	3.00	6.38	6.38	1.13	4.00
		STANDARD DEVIATION			1.32	1.46	3.07	3.07	0.544	1.93

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PLOT AREA: 300.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			AMATU	YIELD
		RATE	UNIT	TM	35 DAT 08/05/10	BU/A 10/04/10
1A»	TOUCHDN TOTAL	0.78	LAA	12	98	151.4
	B»CALLISTO XTRA	0.58	LAA	12		
	C»LIQUID AMS	2.50	PMV	12		
2A»	TOUCHDN TOTAL	0.78	LAA	12	99	150.5
	B»CALLISTO XTRA	0.69	LAA	12		
	C»LIQUID AMS	2.50	PMV	12		
3A»	TOUCHDN TOTAL	0.78	LAA	12	97	146.9
	B»LAUDIS 3.5SC	0.055	LAA	12		
	C»LIQUID AMS	2.50	PMV	12		
4A»	TOUCHDN TOTAL	0.78	LAA	12	95	153.2
	B IMPACT 2.8SC	0.011	LAA	12		
	C»LIQUID AMS	2.50	PMV	12		
5A»	TOUCHDN TOTAL	0.78	LAA	12	95	156.3
	B»STATUS 56DG	0.088	LAA	12		
	C»LIQUID AMS	2.50	PMV	12		
6A»	TOUCHDN TOTAL	0.78	LAA	12	94	126.3
	B»LIQUID AMS	2.50	PMV	12		
7A»	HALEX GT 4.38L	1.97	LAA	12	99	163.6
	B ATRAZINE DF	0.50	LAA	12		
	C»LIQUID AMS	2.50	PMV	12		
8A»	TOUCHDN TOTAL	0.78	LAA	12	97	162.5
	B»LAUDIS 3.5SC	0.055	LAA	12		
	C ATRAZINE DF	0.50	LAA	12		
	D»LIQUID AMS	2.50	PMV	12		
9A»	TOUCHDN TOTAL	0.78	LAA	12	99	135.8
	B IMPACT 2.8SC	0.011	LAA	12		
	C ATRAZINE DF	0.50	LAA	12		
	D»LIQUID AMS	2.50	PMV	12		
10A	CHECK	0.00	NA	0	0	47.2
11A»	TOUCHDN TOTAL	0.78	LAA	12	96	159.1
	B»STATUS 56DG	0.088	LAA	12		
	C ATRAZINE DF	0.50	LAA	12		
	D»LIQUID AMS	2.50	PMV	12		
12A	IMPACT 2.8SC	0.022	LAA	12	99	127.2
	B ATRAZINE DF	0.50	LAA	12		
	C»MSO	1.00	PMV	12		
	D»LIQUID AMS	2.50	PMV	12		
		LSD (0.05)			4.07	33.17
		STANDARD DEVIATION			2.00	16.00

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 12 = ----- / POST 06/29/2010(1)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
001	ZEAMD	3 DAT	07/02/2010	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	ZEAMD	7 DAT	07/09/2010	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ZEAMD	21 DAT	07/23/2010	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	ZEAMD	35 DAT	08/05/2010	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
003	SETFA	7 DAT	07/09/2010	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	PANDI	7 DAT	07/09/2010	03	P	PANDI		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	AMBEL	7 DAT	07/09/2010	04	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	IPOSS	7 DAT	07/09/2010	06	P	IPOSS		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	AMATU	7 DAT	07/09/2010	05	P	AMATU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	SETFA	21 DAT	07/23/2010	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	PANDI	21 DAT	07/23/2010	03	P	PANDI		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	AMBEL	21 DAT	07/23/2010	04	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	IPOSS	21 DAT	07/23/2010	06	P	IPOSS		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	AMATU	21 DAT	07/23/2010	05	P	AMATU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	SETFA	35 DAT	08/05/2010	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	PANDI	35 DAT	08/05/2010	03	P	PANDI		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	AMBEL	35 DAT	08/05/2010	04	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	IPOSS	35 DAT	08/05/2010	06	P	IPOSS		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	AMATU	35 DAT	08/05/2010	05	P	AMATU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	YIELD	BU/A	10/04/2010	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 = PIONEER 1395HR