

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.6
 %OM: 4.7
 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	10	
TYPE	LIQMIX	LIQMIX	
APPLICATION DATE	04/21/08	05/09/08	AME
AIR TEMPERATURE	78	53	F
% REL.HUMIDITY	55	72	
WIND DIRECTION	SOUTH	NORTHEAST	
WIND SPEED	5.0	3.0	M/H
CLOUD COVER	CLEAR	CLOUDY	
DEW	---	YES	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	
SOIL CONDITION	---	---	
METHOD	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	
PROPELLANT	COMCO2	COMCO2	
PLACEMENT	BRFOSO	BRFOSO	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SCREEN SIZE			
SCREEN SZ DESC	NA	NA	
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
SCREEN SIZE	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	---	---	
	DN/SG/MMZ		
*** CROP ***			
CORN, DENT		---/11	
PIONEER 34A20		3.00/3.00	IN
04/21/2008			
*** PEST ***			
VELVETLEAF		---/10	
		0.50/0.50	IN
WATERHEMP, COMMO		---/12	
		0.50/0.50	IN
LAMBSQUARTERS, C		---/14	
		1.00/1.00	IN
MORNINGGLORY, TA		---/10	
		1.00/1.00	IN
FOXTAIL, GIANT		---/12	
		1.00/2.00	IN

* TIMING CODES

09 = ----- / PREEMERGENCE
 10 = ----- / VEPOST

* STAGE CODE

10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED
 11 = FIRST LEAF UNFOLDED
 12 = 2 LEAVES UNFOLDED
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Select preemergence herbicides for weed control in corn. AS-100
CREATED: 04/10/2008 **REVISED:** 11/11/2008 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Urbana **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG
PLOT AREA: 225.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	CHEAL	AMATA	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 05/09/08	CON % 05/09/08	CON % 05/09/08	CON % 05/09/08	CON % 05/09/08	CON % 05/09/08
1A»	IR 8116 1.67SL	0.0196	LAA	9	0	78	65	70	52	37
	B DUAL II MAGNUM	0.98	LAA	9						
	C CALLISTO 4SC	0.126	LAA	9						
2A»	IR 8116 1.67SL	0.039	LAA	9	0	83	83	88	78	68
	B DUAL II MAGNUM	0.98	LAA	9						
	C CALLISTO 4SC	0.126	LAA	9						
3A»	IR 8116 1.67SL	0.059	LAA	9	0	84	90	91	83	76
	B DUAL II MAGNUM	0.98	LAA	9						
	C CALLISTO 4SC	0.126	LAA	9						
4A»	IR 8116 1.67SL	0.039	LAA	9	0	89	91	92	84	83
	B DUAL II MAGNUM	1.68	LAA	9						
	C ATRAZINE DF	0.625	LAA	9						
5A	LUMAX	2.47	LAA	9	0	78	93	95	85	81
6A	CHECK	0.00	NA	0	0	0	0	0	0	0
7A»	IR 8116 1.67SL	0.039	LAA	9	0	50	68	67	55	50
	B ATRAZINE DF	1.00	LAA	9						
8A»	IR 8116 1.67SL	0.065	LAA	9	0	68	88	91	83	77
	B ATRAZINE DF	1.00	LAA	9						
9A	ATRAZINE DF	1.00	LAA	9	0	37	70	52	27	33
10A	ATRAZINE DF	2.00	LAA	9	0	70	89	80	65	55
11A	HARNESS XTRA	2.80	LAA	9	0	95	98	98	94	89
	B BALANCE PRO 4	0.047	LAA	9						
12A»	KIH-485 85WG	0.19	LAA	9	0	85	95	96	96	89
	B BALANCE PRO 4	0.047	LAA	9						
	C ATRAZINE DF	1.00	LAA	9						
13A»	KIH-485 85WG	0.11	LAA	9	0	37	7	13	0	0
	B»KIH-485 85WG	0.11	LAA	10						
	C»RNDUP POWERMAX	0.77	LAA	10						
	D»LIQUID AMS	2.50	PMV	10						
14A»	STALWART EXTRA	3.58	LAA	10	0	C	C	C	C	C
	B»RNDUP POWERMAX	0.77	LAA	10						
	C»LIQUID AMS	2.50	PMV	10						
15A»	KIH-485 85WG	0.074	LAA	9	0	27	0	0	0	0
	B CLARITY	0.25	LAA	10						
16A»	KIH-485 85WG	0.11	LAA	9	0	30	23	23	0	0
	B CLARITY	0.25	LAA	10						
17A»	KIH-485 85WG	0.15	LAA	9	0	33	23	23	0	0
	B CLARITY	0.25	LAA	10						
18A»	KIH-485 85WG	0.19	LAA	9	0	72	42	52	23	33
	B CLARITY	0.25	LAA	10						
19A	DUAL II MAGNUM	1.59	LAA	9	0	77	48	40	7	7
	B CLARITY	0.25	LAA	10						
20A	HARNESS (7EC)	1.33	LAA	9	0	79	40	50	0	0
	B CLARITY	0.25	LAA	10						
LSD (0.05)					0.00	10.53	11.66	11.79	11.34	12.18
STANDARD DEVIATION					0.00	5.21	5.77	5.84	5.61	6.00

TITLE: Select preemergence herbicides for weed control in corn. AS-100
CREATED: 04/10/2008 **REVISED:** 11/11/2008 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Urbana **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG
PLOT AREA: 225.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD CON % 05/20/08	SETFA CON % 05/20/08	CHEAL CON % 05/20/08	AMATA CON % 05/20/08	ABUTH CON % 05/20/08	PHBPU CON % 05/20/08
		RATE	UNIT	TM						
1A»	IR 8116 1.67SL	0.0196	LAA	9	0	85	83	94	89	68
	B DUAL II MAGNUM	0.98	LAA	9						
	C CALLISTO 4SC	0.126	LAA	9						
2A»	IR 8116 1.67SL	0.039	LAA	9	0	89	94	97	98	87
	B DUAL II MAGNUM	0.98	LAA	9						
	C CALLISTO 4SC	0.126	LAA	9						
3A»	IR 8116 1.67SL	0.059	LAA	9	0	91	98	98	98	91
	B DUAL II MAGNUM	0.98	LAA	9						
	C CALLISTO 4SC	0.126	LAA	9						
4A»	IR 8116 1.67SL	0.039	LAA	9	0	95	98	99	99	92
	B DUAL II MAGNUM	1.68	LAA	9						
	C ATRAZINE DF	0.625	LAA	9						
5A	LUMAX	2.47	LAA	9	0	92	99	99	99	87
6A	CHECK	0.00	NA	0	0	0	0	0	0	0
7A»	IR 8116 1.67SL	0.039	LAA	9	0	58	80	68	73	65
	B ATRAZINE DF	1.00	LAA	9						
8A»	IR 8116 1.67SL	0.065	LAA	9	0	81	92	83	91	88
	B ATRAZINE DF	1.00	LAA	9						
9A	ATRAZINE DF	1.00	LAA	9	0	50	89	50	32	47
10A	ATRAZINE DF	2.00	LAA	9	0	81	99	89	81	72
11A	HARNESS XTRA	2.80	LAA	9	0	98	99	99	99	86
	B BALANCE PRO 4	0.047	LAA	9						
12A»	KIH-485 85WG	0.19	LAA	9	0	98	99	99	99	96
	B BALANCE PRO 4	0.047	LAA	9						
	C ATRAZINE DF	1.00	LAA	9						
13A»	KIH-485 85WG	0.11	LAA	9	0	99	99	99	99	93
	B»KIH-485 85WG	0.11	LAA	10						
	C»RNDUP POWERMAX	0.77	LAA	10						
	D»LIQUID AMS	2.50	PMV	10						
14A»	STALWART EXTRA	3.58	LAA	10	0	99	99	99	97	95
	B»RNDUP POWERMAX	0.77	LAA	10						
	C»LIQUID AMS	2.50	PMV	10						
15A»	KIH-485 85WG	0.074	LAA	9	0	79	89	93	83	80
	B CLARITY	0.25	LAA	10						
16A»	KIH-485 85WG	0.11	LAA	9	0	78	86	92	86	83
	B CLARITY	0.25	LAA	10						
17A»	KIH-485 85WG	0.15	LAA	9	0	79	94	96	88	83
	B CLARITY	0.25	LAA	10						
18A»	KIH-485 85WG	0.19	LAA	9	0	96	99	99	97	92
	B CLARITY	0.25	LAA	10						
19A	DUAL II MAGNUM	1.59	LAA	9	0	87	96	96	85	70
	B CLARITY	0.25	LAA	10						
20A	HARNESS (7EC)	1.33	LAA	9	0	96	98	99	88	72
	B CLARITY	0.25	LAA	10						
		LSD (0.05)			0.00	9.19	4.87	5.84	7.49	9.20
		STANDARD DEVIATION			0.00	4.55	2.41	2.89	3.70	4.55

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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 NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD CON % 06/11/08	SETFA CON % 06/11/08	CHEAL CON % 06/11/08	AMATA CON % 06/11/08	ABUTH CON % 06/11/08	PHBPU CON % 06/11/08
		RATE	UNIT	TM						
1A»	IR 8116 1.67SL	0.0196	LAA	9	0	75	63	86	90	58
	B DUAL II MAGNUM	0.98	LAA	9						
	C CALLISTO 4SC	0.126	LAA	9						
2A»	IR 8116 1.67SL	0.039	LAA	9	0	72	81	94	94	68
	B DUAL II MAGNUM	0.98	LAA	9						
	C CALLISTO 4SC	0.126	LAA	9						
3A»	IR 8116 1.67SL	0.059	LAA	9	0	78	90	96	96	76
	B DUAL II MAGNUM	0.98	LAA	9						
	C CALLISTO 4SC	0.126	LAA	9						
4A»	IR 8116 1.67SL	0.039	LAA	9	0	94	92	99	96	76
	B DUAL II MAGNUM	1.68	LAA	9						
	C ATRAZINE DF	0.625	LAA	9						
5A	LUMAX	2.47	LAA	9	0	87	99	99	99	83
6A	CHECK	0.00	NA	0	0	0	0	0	0	0
7A»	IR 8116 1.67SL	0.039	LAA	9	0	37	85	48	74	76
	B ATRAZINE DF	1.00	LAA	9						
8A»	IR 8116 1.67SL	0.065	LAA	9	0	65	86	78	95	70
	B ATRAZINE DF	1.00	LAA	9						
9A	ATRAZINE DF	1.00	LAA	9	0	33	62	27	62	47
10A	ATRAZINE DF	2.00	LAA	9	0	70	97	47	83	89
11A	HARNESS XTRA	2.80	LAA	9	0	96	99	99	99	80
	B BALANCE PRO 4	0.047	LAA	9						
12A»	KIH-485 85WG	0.19	LAA	9	0	98	99	99	99	92
	B BALANCE PRO 4	0.047	LAA	9						
	C ATRAZINE DF	1.00	LAA	9						
13A»	KIH-485 85WG	0.11	LAA	9	0	97	99	99	99	88
	B»KIH-485 85WG	0.11	LAA	10						
	C»RNDUP POWERMAX	0.77	LAA	10						
	D»LIQUID AMS	2.50	PMV	10						
14A»	STALWART EXTRA	3.58	LAA	10	0	97	99	97	97	90
	B»RNDUP POWERMAX	0.77	LAA	10						
	C»LIQUID AMS	2.50	PMV	10						
15A»	KIH-485 85WG	0.074	LAA	9	0	72	89	96	75	68
	B CLARITY	0.25	LAA	10						
16A»	KIH-485 85WG	0.11	LAA	9	0	78	98	99	80	70
	B CLARITY	0.25	LAA	10						
17A»	KIH-485 85WG	0.15	LAA	9	0	86	98	99	83	72
	B CLARITY	0.25	LAA	10						
18A»	KIH-485 85WG	0.19	LAA	9	0	97	99	99	97	85
	B CLARITY	0.25	LAA	10						
19A	DUAL II MAGNUM	1.59	LAA	9	0	95	99	99	79	53
	B CLARITY	0.25	LAA	10						
20A	HARNESS (7EC)	1.33	LAA	9	0	98	99	99	82	67
	B CLARITY	0.25	LAA	10						
		LSD (0.05)			0.00	10.13	11.23	9.00	11.61	13.51
		STANDARD DEVIATION			0.00	5.00	5.56	4.48	5.74	6.69

» = SUPPLEMENTAL CHEMICAL

---,M,C,D = MISSING DATA

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 04/21/2008(1)
 10 = ----- / VEPOST 05/09/2008(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 %	05/09/2008	01	P	ZEAMD	11	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	05/09/2008	02	P	SETFA	12	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	05/09/2008	03	P	CHEAL	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	05/09/2008	04	P	AMATA	12	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	05/09/2008	05	P	ABUTH	10	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	05/09/2008	06	P	PHBPU	10	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ZEAMD	CON %	05/20/2008	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	05/20/2008	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL	CON %	05/20/2008	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMATA	CON %	05/20/2008	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ABUTH	CON %	05/20/2008	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	PHBPU	CON %	05/20/2008	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	ZEAMD	CON %	06/11/2008	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	SETFA	CON %	06/11/2008	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	CHEAL	CON %	06/11/2008	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	AMATA	CON %	06/11/2008	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	ABUTH	CON %	06/11/2008	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	PHBPU	CON %	06/11/2008	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = PIONEER 34A20

* STAGE CODE

10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED
 11 = FIRST LEAF UNFOLDED
 12 = 2 LEAVES UNFOLDED
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
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