

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	UNIT
TIMINGS	12	
TYPE	LIQMIX	
APPLICATION DATE	06/09/08	AME
AIR TEMPERATURE	81	F
% REL.HUMIDITY	63	
WIND DIRECTION	SOUTHWEST	
WIND SPEED	4.0	M/H
CLOUD COVER	PARTCLDY	
DEW	YES	
SOIL MOISTURE	MOIST/MOI	
SOIL CONDITION	---	
METHOD	SPRAY	
EQUIPMENT	SPRBAC	
PROPELLANT	COMCO2	
PLACEMENT	BRFOSO	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SCREEN SIZE		
SCREEN SZ DESC	NA	
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
SCREEN SIZE	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
INC. DATE		AME
INC. START		24H
INC. END		24H
INC. DEPTH		IN
INC. EQUIPMENT	---	
	DN/SG/MMZ	
*** CROP ***		
CORN, DENT	---/16	
PIONEER 34A20	18.0/18.0	IN
04/21/2008		
*** PEST ***		
VELVETLEAF	---/18	
	4.00/8.00	IN
WATERHEMP, COMMO	---/19	
	6.00/14.0	IN
LAMBSQUARTERS, C	---/19	
	6.00/14.0	IN
MORNINGGLORY, TA	---/19	
	2.00/6.00	IN
SMARTWEED, PENNS	---/19	
	8.00/16.0	IN
FOXTAIL, GIANT	---/17	
	4.00/12.0	IN
COCKLEBUR, COMMO	---/18	
	4.00/12.0	IN

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

* STAGE CODE
 16 = 6 LEAVES UNFOLDED
 17 = 7 LEAVES UNFOLDED
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Postemergence combinations for weed control in glyphosate-resistant corn.
CREATED: 04/26/2008 **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			PHBPU CON % 06/19/08	XANST CON % 06/19/08	ZEAMD CON % 07/07/08	SETFA CON % 07/07/08	CHEAL CON % 07/07/08	AMATA CON % 07/07/08
		RATE	UNIT	TM						
1A»	RNDUP POWERMAX	0.39	LAA	12	65	83	0	97	79	84
2A»	HELOSATE PLUS	0.375	LAA	12	62	78	0	97	73	79
3A»	HELOSATE PLUS	0.375	LAA	12	92	92	0	97	85	90
	B»HELOPYR 1.5SL	0.125	LAA	12						
4A»	HELOSATE PLUS	0.375	LAA	12	91	93	0	96	80	88
	B STARANE 1.5EC	0.125	LAA	12						
5A»	HELOSATE PLUS	0.375	LAA	12	88	92	0	97	89	94
	B CLARITY	0.125	LAA	12						
6A»	HELOSATE PLUS	0.375	LAA	12	95	96	0	99	93	95
	B»STATUS 56DG	0.088	LAA	12						
7A»	RNDUP POWERMAX	0.39	LAA	12	93	95	0	95	90	95
	B»STATUS 56DG	0.088	LAA	12						
8A»	HELOSATE 70	20.00	ZMA	12	89	91	0	97	90	95
9A	STEADFAST 75WG	0.035	LAA	12	82	88	0	79	96	83
	B CLARITY	0.125	LAA	12						
	C»MSO	0.78	PMV	12						
	D 28% UAN	1.88	PMV	12						
10A	CALLISTO 4SC	0.094	LAA	12	87	91	0	37	98	97
	B ATRAZINE DF	0.378	LAA	12						
	C»COC	0.78	PMV	12						
	D 28% UAN	1.88	PMV	12						
11A»	HELOSATE PLUS	0.375	LAA	12	93	94	0	99	97	92
	B HARNESS (7EC)	1.53	LAA	12						
	C»HELM NICO 75DF	0.023	LAA	12						
	D»ACTIVATOR 90	0.25	PMV	12						
	E 28% UAN	1.88	PMV	12						
12A	HARNESS (7EC)	1.53	LAA	12	72	83	0	80	83	72
	B»HELM NICO 75DF	0.035	LAA	12						
	C CLARITY	0.125	LAA	12						
	D»ACTIVATOR 90	0.25	PMV	12						
	E 28% UAN	1.88	PMV	12						
13A	CHECK	0.00	NA	0	0	0	0	0	0	0
14A»	LAUDIS 3.5SC	0.082	LAA	12	75	83	0	63	94	96
	B ATRAZINE DF	0.378	LAA	12						
	C»MSO	0.78	PMV	12						
	D 28% UAN	1.88	PMV	12						
15A	OPTION 35WG	0.066	LAA	12	75	86	0	81	78	67
	B CLARITY	0.125	LAA	12						
	C»MSO	0.78	PMV	12						
	D 28% UAN	1.88	PMV	12						
16A»	HELOSATE PLUS	0.375	LAA	12	93	94	0	97	93	92
	B WIDEMATCH 1.5E	0.14	LAA	12						
		LSLSD (0.05)			8.83	6.24	0.00	4.11	4.94	4.88
		STANDARD DEVIATION			4.32	3.06	0.00	2.00	2.42	2.39

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PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG
PLOT AREA: 225.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	POLPY CON % 07/07/08	ABUTH CON % 07/07/08	PHBPU CON % 07/07/08	XANST CON % 07/07/08
1A	»RNDUP POWERMAX	0.39	LAA	12	84	85	68	82
2A	»HELOSATE PLUS	0.375	LAA	12	83	83	67	80
3A	»HELOSATE PLUS	0.375	LAA	12	95	96	88	93
	B»HELOPYR 1.5SL	0.125	LAA	12				
4A	»HELOSATE PLUS	0.375	LAA	12	94	96	88	92
	B STARANE 1.5EC	0.125	LAA	12				
5A	»HELOSATE PLUS	0.375	LAA	12	96	97	88	93
	B CLARITY	0.125	LAA	12				
6A	»HELOSATE PLUS	0.375	LAA	12	97	98	93	96
	B»STATUS 56DG	0.088	LAA	12				
7A	»RNDUP POWERMAX	0.39	LAA	12	94	96	89	93
	B»STATUS 56DG	0.088	LAA	12				
8A	»HELOSATE 70	20.00	ZMA	12	95	97	84	93
9A	STEADFAST 75WG	0.035	LAA	12	94	95	88	94
	B CLARITY	0.125	LAA	12				
	C»MSO	0.78	PMV	12				
	D 28% UAN	1.88	PMV	12				
10A	CALLISTO 4SC	0.094	LAA	12	98	99	94	97
	B ATRAZINE DF	0.378	LAA	12				
	C»COC	0.78	PMV	12				
	D 28% UAN	1.88	PMV	12				
11A	»HELOSATE PLUS	0.375	LAA	12	97	99	91	96
	B HARNESS (7EC)	1.53	LAA	12				
	C»HELM NICO 75DF	0.023	LAA	12				
	D»ACTIVATOR 90	0.25	PMV	12				
	E 28% UAN	1.88	PMV	12				
12A	HARNESS (7EC)	1.53	LAA	12	82	93	84	91
	B»HELM NICO 75DF	0.035	LAA	12				
	C CLARITY	0.125	LAA	12				
	D»ACTIVATOR 90	0.25	PMV	12				
	E 28% UAN	1.88	PMV	12				
13A	CHECK	0.00	NA	0	0	0	0	0
14A	»LAUDIS 3.5SC	0.082	LAA	12	94	99	83	92
	B ATRAZINE DF	0.378	LAA	12				
	C»MSO	0.78	PMV	12				
	D 28% UAN	1.88	PMV	12				
15A	OPTION 35WG	0.066	LAA	12	78	90	78	88
	B CLARITY	0.125	LAA	12				
	C»MSO	0.78	PMV	12				
	D 28% UAN	1.88	PMV	12				
16A	»HELOSATE PLUS	0.375	LAA	12	97	99	94	96
	B WIDEMATCH 1.5E	0.14	LAA	12				
		LSLSD (0.05)			5.82	2.40	5.61	4.13
		STANDARD DEVIATION			2.85	1.17	2.75	2.00

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING

12 = ----- / POST 06/09/2008(1)

TITLE: Postemergence combinations for weed control in glyphosate-resistant corn.

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
001	ZEAMD	CON %	06/19/2008	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/19/2008	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	06/19/2008	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	06/19/2008	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	POLPY	CON %	06/19/2008	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ABUTH	CON %	06/19/2008	06	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	PHBPU	CON %	06/19/2008	07	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	XANST	CON %	06/19/2008	08	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ZEAMD	CON %	07/07/2008	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	SETFA	CON %	07/07/2008	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	CHEAL	CON %	07/07/2008	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	AMATA	CON %	07/07/2008	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	POLPY	CON %	07/07/2008	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	ABUTH	CON %	07/07/2008	06	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	PHBPU	CON %	07/07/2008	07	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	XANST	CON %	07/07/2008	08	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = PIONEER 34A20