

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.4
 %OM: 4.6
 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	01	12	
TYPE	LIQMIX	LIQMIX	
APPLICATION DATE	11/15/13	06/13/14	AME
AIR TEMPERATURE	56	72	F
% REL.HUMIDITY	53	47	
WIND DIRECTION	SOUTHWEST	NORTHWEST	
WIND SPEED	4.0	5.0	M/H
CLOUD COVER	CLOUDY	CLEAR	
DEW	NO	NO	
SOIL MOISTURE	MOIST/MOI	MOIST/MOI	
SOIL CONDITION	---	---	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACK/	BACKPACK/	
PROPELLANT	COMPRESSE	COMPRESSE	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE DESCRIPTION			
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	
SPRAY VOLUME UNIT	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	---	---	
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	
CROP *			
P, CORN, DENT DKC63-33RRL (PLANTED) 05/07/2014		---/15 15.0/15.0 37 DAP	IN
PEST *			
P, RAGWEED, COMMON	---/00 0.00/0.00	---/18 2.00/6.00	IN
P, LAMBSQUARTERS, C	---/00 0.00/0.00	---/19 2.00/8.00	IN
P, HENBIT	---/16 1.00/3.00	---/19 2.00/6.00	IN
P, MORNINGGLORY, TA	---/00 0.00/0.00	---/15 1.00/3.00	IN
P, CHICKWEED, COMMO	---/18 1.00/2.00	---/19 2.00/4.00	IN

* TIMING CODES

01 = ----- / FALL APPL'D

* TIMING CODES

12 = ----- / POST

* STAGE CODE

00 = DRY SEED; DORMANCY
15 = 5 LEAVES UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Fall Herbicides for Control of Weeds in No-till RR/LL Corn. N-100
CREATED: 11/13/2013 **REVISED:** 08/04/2014 **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		STEME CON % 12/03/13	LAMAM CON % 12/03/13	STEME CON % 05/02/14	LAMAM CON % 05/02/14	CHEAL CON % 05/02/14	AMBEL CON % 05/02/14
		RATE	UNIT TM						
1A»	HARROW 75WG	0.0117	LAA 1	43	43	97	97	73	67
B»	GLYFOS EXTRA 3	0.75	LAA 1						
C»	ACTIVATOR 90	0.25	PMV 1						
2A»	HARROW 75WG	0.0234	LAA 1	53	47	99	99	94	87
B»	GLYFOS EXTRA 3	0.75	LAA 1						
C»	ACTIVATOR 90	0.25	PMV 1						
3A»	HARROW 75WG	0.047	LAA 1	63	53	99	99	99	94
B»	GLYFOS EXTRA 3	0.75	LAA 1						
C»	ACTIVATOR 90	0.25	PMV 1						
4A	BASIS (75WG)	0.0234	LAA 1	53	47	99	99	93	93
B»	GLYFOS EXTRA 3	0.75	LAA 1						
C»	ACTIVATOR 90	0.25	PMV 1						
5A»	GLYFOS EXTRA 3	0.75	LAA 1	47	23	88	72	0	0
B»	ACTIVATOR 90	0.25	PMV 1						
6A	PRINCEP 4L	2.00	LAA 1	75	63	99	95	96	96
B	(G)2,4-D-ESTER	0.95	LAA 1						
7A	(G)2,4-D-ESTER	0.95	LAA 1	37	33	82	77	0	0
8A	CLARITY	0.50	LAA 1	50	40	98	90	0	0
9A	(G)2,4-D-ESTER	0.95	LAA 1	53	50	94	96	7	7
B	CLARITY	0.50	LAA 1						
10A	(G)2,4-D-ESTER	0.95	LAA 1	65	60	96	92	0	0
B»	GLYFOS EXTRA 3	0.75	LAA 1						
11A	(G)2,4-D-ESTER	0.95	LAA 1	68	43	99	93	84	67
B»	EXPRESS 50SG	0.0094	LAA 1						
12A	(G)2,4-D-ESTER	0.95	LAA 1	55	50	99	99	94	92
B»	AUTUMN SUPER 5	0.016	LAA 1						
	LSD (0.05)			6.82	8.68	3.80	6.91	11.33	13.26
	STANDARD DEVIATION			3.29	4.18	1.83	3.33	5.46	6.39

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 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 % 06/11/14	STEME CON % 06/11/14	LAMAM CON % 06/11/14	CHEAL CON % 06/11/14	AMBEL CON % 06/11/14	PHBPU CON % 06/11/14
		RATE	UNIT	TM						
1A»	HARROW 75WG	0.0117	LAA	1	0	99	99	97	94	89
B»	GLYFOS EXTRA 3	0.75	LAA	1						
C»	ACTIVATOR 90	0.25	PMV	1						
2A»	HARROW 75WG	0.0234	LAA	1	0	99	99	99	98	89
B»	GLYFOS EXTRA 3	0.75	LAA	1						
C»	ACTIVATOR 90	0.25	PMV	1						
3A»	HARROW 75WG	0.047	LAA	1	0	99	99	99	99	93
B»	GLYFOS EXTRA 3	0.75	LAA	1						
C»	ACTIVATOR 90	0.25	PMV	1						
4A	BASIS (75WG)	0.0234	LAA	1	0	99	99	98	99	93
B»	GLYFOS EXTRA 3	0.75	LAA	1						
C»	ACTIVATOR 90	0.25	PMV	1						
5A»	GLYFOS EXTRA 3	0.75	LAA	1	0	99	99	78	73	60
B»	ACTIVATOR 90	0.25	PMV	1						
6A	PRINCEP 4L	2.00	LAA	1	0	99	99	98	98	90
B	(G)2,4-D-ESTER	0.95	LAA	1						
7A	(G)2,4-D-ESTER	0.95	LAA	1	0	99	99	67	67	60
8A	CLARITY	0.50	LAA	1	0	99	99	63	70	57
9A	(G)2,4-D-ESTER	0.95	LAA	1	0	99	99	79	83	67
B	CLARITY	0.50	LAA	1						
10A	(G)2,4-D-ESTER	0.95	LAA	1	0	99	99	76	73	70
B»	GLYFOS EXTRA 3	0.75	LAA	1						
11A	(G)2,4-D-ESTER	0.95	LAA	1	0	99	99	68	68	57
B»	EXPRESS 50SG	0.0094	LAA	1						
12A	(G)2,4-D-ESTER	0.95	LAA	1	0	99	99	99	99	84
B»	AUTUMN SUPER 5	0.016	LAA	1						
		LSD (0.05)			0.00	0.00	0.00	11.63	10.17	13.53
		STANDARD DEVIATION			0.00	0.00	0.00	5.61	4.91	6.52

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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	TREATMENT	DOSAGE		ZEAMD	STEME	LAMAM	CHEAL	AMBEL	PHBPU	
NUM	COMPONENT	RATE	UNIT	CON %	CON %	CON %	CON %	CON %	CON %	
			TM	06/30/14	06/30/14	06/30/14	06/30/14	06/30/14	06/30/14	
1A	HARROW 75WG	0.0117	LAA	1	0	99	99	99	98	83
B	GLYFOS EXTRA 3	0.75	LAA	1						
C	ACTIVATOR 90	0.25	PMV	1						
2A	HARROW 75WG	0.0234	LAA	1	0	99	99	96	99	83
B	GLYFOS EXTRA 3	0.75	LAA	1						
C	ACTIVATOR 90	0.25	PMV	1						
3A	HARROW 75WG	0.047	LAA	1	0	99	99	99	98	84
B	GLYFOS EXTRA 3	0.75	LAA	1						
C	ACTIVATOR 90	0.25	PMV	1						
4A	BASIS (75WG)	0.0234	LAA	1	0	99	99	99	98	89
B	GLYFOS EXTRA 3	0.75	LAA	1						
C	ACTIVATOR 90	0.25	PMV	1						
5A	GLYFOS EXTRA 3	0.75	LAA	1	0	99	99	70	89	78
B	ACTIVATOR 90	0.25	PMV	1						
6A	PRINCEP 4L	2.00	LAA	1	0	99	99	98	96	89
B	(G)2,4-D-ESTER	0.95	LAA	1						
7A	(G)2,4-D-ESTER	0.95	LAA	1	0	99	99	66	80	73
8A	CLARITY	0.50	LAA	1	0	99	99	86	88	83
9A	(G)2,4-D-ESTER	0.95	LAA	1	0	99	99	98	94	86
B	CLARITY	0.50	LAA	1						
10A	(G)2,4-D-ESTER	0.95	LAA	1	0	99	99	94	96	81
B	GLYFOS EXTRA 3	0.75	LAA	1						
11A	(G)2,4-D-ESTER	0.95	LAA	1	0	99	99	88	93	80
B	EXPRESS 50SG	0.0094	LAA	1						
12A	(G)2,4-D-ESTER	0.95	LAA	1	0	99	99	99	99	81
B	AUTUMN SUPER 5	0.016	LAA	1						
	LSD (0.05)				0.00	0.00	0.00	22.00	11.58	10.29
	STANDARD DEVIATION				0.00	0.00	0.00	10.61	5.58	5.00

>> = SUPPLEMENTAL CHEMICAL

* TIMING CODES

01 = ----- / FALL APPL'D 11/15/2013(1)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	STEME	CON %	12/03/2013	02	P	STEME		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	LAMAM	CON %	12/03/2013	03	P	LAMAM		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	STEME	CON %	05/02/2014	02	P	STEME		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	LAMAM	CON %	05/02/2014	03	P	LAMAM		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	CHEAL	CON %	05/02/2014	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	AMBEL	CON %	05/02/2014	05	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ZEAMD	CON %	06/11/2014	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	STEME	CON %	06/11/2014	02	P	STEME		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	LAMAM	CON %	06/11/2014	03	P	LAMAM		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	06/11/2014	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	AMBEL	CON %	06/11/2014	05	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	PHBPU	CON %	06/11/2014	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	ZEAMD	CON %	06/30/2014	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	STEME	CON %	06/30/2014	02	P	STEME		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	LAMAM	CON %	06/30/2014	03	P	LAMAM		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	CHEAL	CON %	06/30/2014	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TITLE: Fall Herbicides for Control of Weeds in No-till RR/LL Corn. N-100

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR1	SS	NOTE
017	AMBEL	CON %	06/30/2014	05	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	PHBPU	CON %	06/30/2014	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = DKC63-33RRL