

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: CL
 PH: 6.1
 %OM: 1.5
 PREV.CROP: ZEAMD - CORN, DENT
 %RESIDUE: 0
 PLOT WIDTH: 7.5 X 30 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	12	13	
TYPE	LIQMIX	LIQMIX	
APPLICATION DATE	06/19/03	06/30/03	AME
AIR TEMPERATURE	72	84	F
% REL.HUMIDITY	46	58	
WIND DIRECTION	NORTHEAST	EAST	
WIND SPEED	5.0	4.0	M/H
CLOUD COVER	CLEAR	PARTCLDY	
DEW	NO	NO	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	
SOIL CONDITION	COMPACT	FRIABLE	
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
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
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	---	---	
DN/SG/MMZ			
*** PEST ***			
PIGWEEED, REDROOT	MED/16 2.00/2.00	MED/19 8.00/8.00	IN
LAMBSQUARTERS, C	HGH/19 8.00/8.00	HGH/19 14.0/14.0	IN
SOYBEAN PIONEER 93B85 RR 05/13/2003	---/15 7.00/7.00	---/19 15.0/15.0	IN
MORNINGGLORY, IV	MED/14 2.00/2.00	MED/16 4.00/4.00	IN
FOXTAIL, GIANT	HGH/16 8.00/8.00	HGH/19 14.0/14.0	IN

* TIMING CODES

12 = ----- / POST
 13 = ----- / LPOST

* STAGE CODE

14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 15 = 5TH LEAF (3RD TRIFOLIATE LEAF) UNFOLDED, 4 NODES
 16 = 6 LEAVES UNFOLDED
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Glyphosate comparisons in soybean 3105
CREATED: 05/06/2003 **REVISED:** 11/12/2003 **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** **REPS:** 03

TRT TREATMENT NUM COMPONENT	DOSAGE RATE UNIT	TM	GLXMA CON % 06/30/03	GLXMA CON % 07/13/03	SETFA CON % 07/13/03	CHEAL CON % 07/13/03	AMARE CON % 07/13/03	IPOHE CON % 07/13/03
1A»TOUCHDN KPMG 4 B»LIQUID AMS	0.75 LAA 12 2.50 PMV 12		0	0	99	99	99	93
2A»WEATHERMAX 4.5 B»LIQUID AMS	0.75 LAA 12 2.50 PMV 12		0	0	99	99	99	93
3A»TOUCHDN PMGA 3 B»LIQUID AMS	0.75 LAA 12 2.50 PMV 12		0	0	98	99	99	92
4A»GLYPHOMAX PLUS B»LIQUID AMS	0.75 LAA 12 2.50 PMV 12		0	0	99	98	99	93
5A»GLYPHOMAX HC 5 B»LIQUID AMS	0.75 LAA 12 2.50 PMV 12		0	0	99	99	99	92
6A CHECK	0.00 NA 0		0	0	0	0	0	0
7A»CLEAROUT 41 PL B»LIQUID AMS	0.75 LAA 12 2.50 PMV 12		0	0	99	98	99	93
8A»CORNERSTONE 3L B»ACTIVATOR 90 C»LIQUID AMS	0.75 LAA 12 0.25 PMV 12 2.50 PMV 12		0	0	99	99	99	95
9A»CREDIT 3AE B»ACTIVATOR 90 C»LIQUID AMS	0.75 LAG 12 0.25 PMV 12 2.50 PMV 12		0	0	99	99	99	93
10A»RNDUP ULTRA MA B»LIQUID AMS	0.75 LAA 12 2.50 PMV 12		0	0	98	99	99	91
11A»RDUP ORIG II 3 B»LIQUID AMS	0.75 LAA 12 2.50 PMV 12		0	0	99	99	99	94
12A»ROUNDUP ORIGIN B»ACTIVATOR 90 C»LIQUID AMS	0.75 LAA 12 0.25 PMV 12 2.50 PMV 12		0	0	96	98	99	93
13A»ROUNDUP ULTRA B»LIQUID AMS	0.75 LAA 12 2.50 PMV 12		0	0	99	99	99	98
14A»ROUNDUP CUSTOM B»ACTIVATOR 90 C»LIQUID AMS	0.75 LAA 12 0.25 PMV 12 2.50 PMV 12		0	0	98	96	99	92
15A»EXTREME 2.17L B»ACTIVATOR 90 C»LIQUID AMS	0.814 LAA 12 0.25 PMV 12 3.67 PMV 12		0	0	99	99	99	96
16A»TOUCHDN KPMG 4 B»LIQUID AMS	0.75 LAA 13 2.50 PMV 13		0	0	99	99	99	83
17A»WEATHERMAX 4.5 B»LIQUID AMS	0.75 LAA 13 2.50 PMV 13		0	0	99	98	99	89
18A»RNDUP ULTRA MA B»LIQUID AMS	0.75 LAA 13 2.50 PMV 13		0	0	99	99	99	88
19A»TOUCHDN KPMG 4 B»LIQUID AMS	1.50 LAA 13 2.50 PMV 13		0	0	99	99	99	90
20A»WEATHERMAX 4.5 B»LIQUID AMS	1.50 LAA 13 2.50 PMV 13		0	0	99	99	99	88
21A»RNDUP ULTRA MA B»LIQUID AMS	1.50 LAA 13 2.50 PMV 13		0	0	99	99	99	87
22A»TOUCHDN KPMG 4 B»LIQUID AMS	2.25 LAA 13 2.50 PMV 13		0	0	99	99	99	95

TITLE: Glyphosate comparisons in soybean 3105

TRT	TREATMENT	DOSAGE		GLXMA	GLXMA	SETFA	CHEAL	AMARE	IPOHE
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				06/30/03	07/13/03	07/13/03	07/13/03	07/13/03	07/13/03
23A»	WEATHERMAX 4.5	2.25	LAA 13	0	0	99	99	99	88
B»	LIQUID AMS	2.50	PMV 13						
24A»	RNDUP ULTRA MA	2.25	LAA 13	0	0	99	99	99	88
B»	LIQUID AMS	2.50	PMV 13						
			LSD (0.05)	0.00	0.00	2.09	2.00	0.00	9.07
			STANDARD DEVIATION	0.00	0.00	1.00	1.00	0.00	4.53

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PROJECT TYPE: HERBICIDE
LOCATION: Perry **RESEARCHED BY:** MAXWELL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT **WIDE X** 30.00 FT **LONG** **REPS:** 03

TRT TREATMENT NUM COMPONENT	DOSAGE RATE UNIT	TM	GLXMA CON % 07/31/03	SETFA CON % 07/31/03	CHEAL CON % 07/31/03	AMARE CON % 07/31/03	IPOHE CON % 07/31/03	YIELD BU/A 10/07/03
1A»TOUCHDN KPMG 4 B»LIQUID AMS	0.75 LAA 12 2.50 PMV 12		0	99	99	99	99	51.8
2A»WEATHERMAX 4.5 B»LIQUID AMS	0.75 LAA 12 2.50 PMV 12		0	99	99	99	99	53.5
3A»TOUCHDN PMGA 3 B»LIQUID AMS	0.75 LAA 12 2.50 PMV 12		0	99	99	99	99	52.3
4A»GLYPHOMAX PLUS B»LIQUID AMS	0.75 LAA 12 2.50 PMV 12		0	99	99	99	99	56.5
5A»GLYPHOMAX HC 5 B»LIQUID AMS	0.75 LAA 12 2.50 PMV 12		0	99	99	99	99	52.0
6A CHECK	0.00 NA 0		0	0	0	0	0	28.4
7A»CLEAROUT 41 PL B»LIQUID AMS	0.75 LAA 12 2.50 PMV 12		0	99	99	99	99	55.6
8A»CORNERSTONE 3L B»ACTIVATOR 90 C»LIQUID AMS	0.75 LAA 12 0.25 PMV 12 2.50 PMV 12		0	99	99	99	99	60.7
9A»CREDIT 3AE B»ACTIVATOR 90 C»LIQUID AMS	0.75 LAG 12 0.25 PMV 12 2.50 PMV 12		0	99	99	99	99	52.3
10A»RNDUP ULTRA MA B»LIQUID AMS	0.75 LAA 12 2.50 PMV 12		0	99	99	99	99	51.3
11A»RDUP ORIG II 3 B»LIQUID AMS	0.75 LAA 12 2.50 PMV 12		0	99	99	99	99	54.6
12A»ROUNDUP ORIGIN B»ACTIVATOR 90 C»LIQUID AMS	0.75 LAA 12 0.25 PMV 12 2.50 PMV 12		0	99	99	99	99	49.4
13A»ROUNDUP ULTRA B»LIQUID AMS	0.75 LAA 12 2.50 PMV 12		0	99	99	99	99	50.6
14A»ROUNDUP CUSTOM B»ACTIVATOR 90 C»LIQUID AMS	0.75 LAA 12 0.25 PMV 12 2.50 PMV 12		0	99	99	99	99	55.1
15A»EXTREME 2.17L B»ACTIVATOR 90 C»LIQUID AMS	0.814 LAA 12 0.25 PMV 12 3.67 PMV 12		0	99	99	99	99	53.2
16A»TOUCHDN KPMG 4 B»LIQUID AMS	0.75 LAA 13 2.50 PMV 13		0	99	99	99	99	51.9
17A»WEATHERMAX 4.5 B»LIQUID AMS	0.75 LAA 13 2.50 PMV 13		0	99	99	99	99	51.7
18A»RNDUP ULTRA MA B»LIQUID AMS	0.75 LAA 13 2.50 PMV 13		0	99	99	99	99	51.7
19A»TOUCHDN KPMG 4 B»LIQUID AMS	1.50 LAA 13 2.50 PMV 13		0	99	99	99	99	50.6
20A»WEATHERMAX 4.5 B»LIQUID AMS	1.50 LAA 13 2.50 PMV 13		0	99	99	99	99	55.2
21A»RNDUP ULTRA MA B»LIQUID AMS	1.50 LAA 13 2.50 PMV 13		0	99	99	99	99	53.5
22A»TOUCHDN KPMG 4 B»LIQUID AMS	2.25 LAA 13 2.50 PMV 13		0	99	99	99	99	49.7

TITLE: Glyphosate comparisons in soybean 3105

TRT	TREATMENT	DOSAGE			GLXMA	SETFA	CHEAL	AMARE	IPOHE	YIELD
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %	CON %	BU/A
					07/31/03	07/31/03	07/31/03	07/31/03	07/31/03	10/07/03
23A»	WEATHERMAX 4.5	2.25	LAA	13	0	99	99	99	99	53.0
B»	LIQUID AMS	2.50	PMV	13						
24A»	RNDUP ULTRA MA	2.25	LAA	13	0	99	99	99	99	49.8
B»	LIQUID AMS	2.50	PMV	13						
		LSD (0.05)			0.00	0.00	0.00	0.00	0.00	8.49
		STANDARD DEVIATION			0.00	0.00	0.00	0.00	0.00	4.24

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 12 = ----- / POST 06/19/2003(1)
 13 = ----- / LPOST 06/30/2003(2)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	GLXMA	CON %	06/30/2003	01	P	GLXMA	19	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	GLXMA	CON %	07/13/2003	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	SETFA	CON %	07/13/2003	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL	CON %	07/13/2003	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	AMARE	CON %	07/13/2003	04	P	AMARE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	IPOHE	CON %	07/13/2003	05	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	GLXMA	CON %	07/31/2003	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	07/31/2003	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL	CON %	07/31/2003	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMARE	CON %	07/31/2003	04	P	AMARE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	IPOHE	CON %	07/31/2003	05	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	YIELD	BU/A	10/07/2003	01	P	GLXMA		RAW	ALL	YLD	BU	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 93B85 RR

* STAGE CODE

19 = 9 OR MORE LEAVES UNFOLDED, 8 OR MORE NODES