

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	UNIT
TIMINGS	12	
TYPE	NA/NONE	
APPLICATION DATE	06/19/01	AME
AIR TEMPERATURE	84	F
% REL.HUMIDITY	52	
WIND DIRECTION	WEST	
WIND SPEED	3.0	M/H
CLOUD COVER	OVERCAST	
DEW	DRY	
SOIL MOISTURE	DRY/MOIST	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	6	
NOZZLE SPACING	20.000	IN
SWATH WIDTH	10.0	FT
SPRAY VOLUME		
VOLUME UNIT		
PRESSURE	32.00	PSI
DILUENT	WATER	
INC. DATE		AME
INC. START		24H
INC. END		24H
INC. DEPTH		IN
INC. EQUIPMENT	---	
	DN/SG/MMZ	
*** CROP ***		
SOYBEAN	NA/16	
ASGROW 3701RR	8.00/8.00	IN
05/15/2001		
*** PEST ***		
VELVETLEAF	MED/15	
	4.00/4.00	IN
PIGWEEED, REDROOT	MED/16	
	4.00/5.00	IN
LAMBSQUARTERS, C	LOW/16	
	3.00/3.00	IN
JIMSONWEED	HGH/18	
	6.00/6.00	IN
MORNINGGLORY, IV	MED/18	
	4.00/4.00	IN
FOXTAIL, GIANT	HGH/18	
	4.00/6.00	IN

* TIMING CODES

12 = ----- / POST

* STAGE CODE

15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 16 = 6TH LEAF (4TH TRIFOLIATE LEAF) UNFOLDED, 5 NODES
 18 = 8 LEAVES UNFOLDED

DATA MEAN

TITLE: PSOYGLYP Glyphosate comparison with simulated rainfall

CREATED: 06/18/2001 REVISED: 11/17/2001

COMPLETED: N

PROJECT TYPE: HERBICIDE

LOCATION: Perry

RESEARCHED BY:

DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN

PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG

REPS: 03

TRT	TREATMENT	DOSAGE	GLXMA	SETFA	ABUTH	DATST	AMARE	IPOHE
NUM	COMPONENT	RATE	UNIT	BU/ACRE	CON %	CON %	CON %	CON %
			TM	07/07/01	07/07/01	07/07/01	07/07/01	07/07/01
1A»	RNDUP ULTRA MA	0.188	LAA 12	0	98	98	98	98
B»	LIQUID AMS	2.50	PMV 12					62
2A»	TOUCHDOWN 3L	0.188	LAA 12	0	99	96	98	98
B»	LIQUID AMS	2.50	PMV 12					60
3A»	GLYPHOMAX PLUS	0.188	LAA 12	0	99	88	98	99
B»	LIQUID AMS	2.50	PMV 12					60
4A»	RNDUP ULTRA MA	0.375	LAA 12	0	99	98	99	99
B»	LIQUID AMS	2.50	PMV 12					65
5A»	TOUCHDOWN 3L	0.375	LAA 12	0	99	97	98	99
B»	LIQUID AMS	2.50	PMV 12					67
6A»	GLYPHOMAX PLUS	0.375	LAA 12	0	98	99	99	99
B»	LIQUID AMS	2.50	PMV 12					63
7A»	RNDUP ULTRA MA	0.75	LAA 12	0	99	99	99	99
B»	LIQUID AMS	2.50	PMV 12					72
8A»	TOUCHDOWN 3L	0.75	LAA 12	0	99	99	99	99
B»	LIQUID AMS	2.50	PMV 12					73
9A»	GLYPHOMAX PLUS	0.75	LAA 12	0	99	99	99	99
B»	LIQUID AMS	2.50	PMV 12					72
10A	CHECK	0.00	NA 12	0	0	0	0	0
11A»	RNDUP ULTRA MA	0.188	LAA 12	0	99	67	96	99
B»	LIQUID AMS	2.50	PMV 12					60
12A»	TOUCHDOWN 3L	0.188	LAA 12	0	97	65	98	98
B»	LIQUID AMS	2.50	PMV 12					60
13A»	GLYPHOMAX PLUS	0.188	LAA 12	0	99	68	93	98
B»	LIQUID AMS	2.50	PMV 12					60
14A»	RNDUP ULTRA MA	0.375	LAA 12	0	99	97	99	99
B»	LIQUID AMS	2.50	PMV 12					67
15A»	TOUCHDOWN 3L	0.375	LAA 12	0	99	96	99	99
B»	LIQUID AMS	2.50	PMV 12					65
16A»	GLYPHOMAX PLUS	0.375	LAA 12	0	99	99	99	99
B»	LIQUID AMS	2.50	PMV 12					67
17A»	RNDUP ULTRA MA	0.75	LAA 12	0	99	99	99	99
B»	LIQUID AMS	2.50	PMV 12					70
18A»	TOUCHDOWN 3L	0.75	LAA 12	0	99	99	99	99
B»	LIQUID AMS	2.50	PMV 12					70
19A»	GLYPHOMAX PLUS	0.75	LAA 12	0	99	99	99	99
B»	LIQUID AMS	2.50	PMV 12					70
20A	CHECK	0.00	NA 12	0	0	0	0	0
21A»	RNDUP ULTRA MA	0.188	LAA 12	0	92	68	88	82
B»	LIQUID AMS	2.50	PMV 12					60
22A»	TOUCHDOWN 3L	0.188	LAA 12	0	88	68	83	73
B»	LIQUID AMS	2.50	PMV 12					60
23A»	GLYPHOMAX PLUS	0.188	LAA 12	0	90	65	86	83
B»	LIQUID AMS	2.50	PMV 12					63

TITLE: PSOYGLYP Glyphosate comparison with simulated rainfall

TRT	TREATMENT	DOSAGE		GLXMA	SETFA	ABUTH	DATST	AMARE	IPOHE
NUM	COMPONENT	RATE	UNIT	BU /ACRE TM 07/07/01	CON % 07/07/01	CON % 07/07/01	CON % 07/07/01	CON % 07/07/01	CON % 07/07/01
24A»	RNDUP ULTRA MA	0.375	LAA 12	0	99	98	99	99	65
B»	LIQUID AMS	2.50	PMV 12						
25A»	TOUCHDOWN 3L	0.375	LAA 12	0	98	90	99	99	65
B»	LIQUID AMS	2.50	PMV 12						
26A»	GLYPHOMAX PLUS	0.375	LAA 12	0	98	98	99	99	65
B»	LIQUID AMS	2.50	PMV 12						
27A»	RNDUP ULTRA MA	0.75	LAA 12	0	99	99	99	99	72
B»	LIQUID AMS	2.50	PMV 12						
28A»	TOUCHDOWN 3L	0.75	LAA 12	0	99	99	99	99	75
B»	LIQUID AMS	2.50	PMV 12						
29A»	GLYPHOMAX PLUS	0.75	LAA 12	0	99	99	99	99	70
B»	LIQUID AMS	2.50	PMV 12						
30A	CHECK	0.00	NA 12	0	0	0	0	0	0
		LS D (0.05)		0.00	3.68	6.64	6.81	4.32	4.36
		STANDARD DEVIATION		0.00	1.84	3.32	3.41	2.16	2.18

DATA MEAN

TITLE: PSoyGLYP Glyphosate comparison with simulated rainfall

CREATED: 06/18/2001 REVISED: 11/17/2001

COMPLETED: N

PROJECT TYPE: HERBICIDE

LOCATION: Perry

RESEARCHED BY:

DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN

PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG

REPS: 03

TRT	TREATMENT	DOSAGE		GLXMA	SETFA	ABUTH	DATST	AMARE	IPOHE
NUM	COMPONENT	RATE	UNIT	CON %	CON %	CON %	CON %	CON %	CON %
			TM	07/19/01	07/19/01	07/19/01	07/19/01	07/19/01	07/19/01
1A»	RNDUP ULTRA MA	0.188	LAA 12	0	98	90	99	94	78
B»	LIQUID AMS	2.50	PMV 12						
2A»	TOUCHDOWN 3L	0.188	LAA 12	0	93	93	99	91	67
B»	LIQUID AMS	2.50	PMV 12						
3A»	GLYPHOMAX PLUS	0.188	LAA 12	0	93	75	99	99	65
B»	LIQUID AMS	2.50	PMV 12						
4A»	RNDUP ULTRA MA	0.375	LAA 12	0	98	94	95	99	78
B»	LIQUID AMS	2.50	PMV 12						
5A»	TOUCHDOWN 3L	0.375	LAA 12	0	97	96	99	99	81
B»	LIQUID AMS	2.50	PMV 12						
6A»	GLYPHOMAX PLUS	0.375	LAA 12	0	92	90	98	99	67
B»	LIQUID AMS	2.50	PMV 12						
7A»	RNDUP ULTRA MA	0.75	LAA 12	0	95	99	98	94	75
B»	LIQUID AMS	2.50	PMV 12						
8A»	TOUCHDOWN 3L	0.75	LAA 12	0	98	99	98	99	88
B»	LIQUID AMS	2.50	PMV 12						
9A»	GLYPHOMAX PLUS	0.75	LAA 12	0	98	99	99	99	89
B»	LIQUID AMS	2.50	PMV 12						
10A	CHECK	0.00	NA 12	0	0	0	0	0	0
11A»	RNDUP ULTRA MA	0.188	LAA 12	0	99	85	93	94	63
B»	LIQUID AMS	2.50	PMV 12						
12A»	TOUCHDOWN 3L	0.188	LAA 12	0	99	85	99	99	70
B»	LIQUID AMS	2.50	PMV 12						
13A»	GLYPHOMAX PLUS	0.188	LAA 12	0	98	88	99	91	75
B»	LIQUID AMS	2.50	PMV 12						
14A»	RNDUP ULTRA MA	0.375	LAA 12	0	92	88	99	99	82
B»	LIQUID AMS	2.50	PMV 12						
15A»	TOUCHDOWN 3L	0.375	LAA 12	0	92	96	94	99	78
B»	LIQUID AMS	2.50	PMV 12						
16A»	GLYPHOMAX PLUS	0.375	LAA 12	0	99	99	99	93	82
B»	LIQUID AMS	2.50	PMV 12						
17A»	RNDUP ULTRA MA	0.75	LAA 12	0	96	99	94	99	83
B»	LIQUID AMS	2.50	PMV 12						
18A»	TOUCHDOWN 3L	0.75	LAA 12	0	98	93	99	99	86
B»	LIQUID AMS	2.50	PMV 12						
19A»	GLYPHOMAX PLUS	0.75	LAA 12	0	98	99	98	96	87
B»	LIQUID AMS	2.50	PMV 12						
20A	CHECK	0.00	NA 12	0	0	0	0	0	0
21A»	RNDUP ULTRA MA	0.188	LAA 12	0	83	62	83	99	72
B»	LIQUID AMS	2.50	PMV 12						
22A»	TOUCHDOWN 3L	0.188	LAA 12	0	89	70	96	93	69
B»	LIQUID AMS	2.50	PMV 12						
23A»	GLYPHOMAX PLUS	0.188	LAA 12	0	84	75	89	88	70
B»	LIQUID AMS	2.50	PMV 12						

DATA MEAN

TITLE: PSoyGLYP Glyphosate comparison with simulated rainfall

TRT	TREATMENT	DOSAGE		GLXMA	SETFA	ABUTH	DATST	AMARE	IPOHE
NUM	COMPONENT	RATE	UNIT	CON %	CON %	CON %	CON %	CON %	CON %
			TM	07/19/01	07/19/01	07/19/01	07/19/01	07/19/01	07/19/01
24A»	RNDUP ULTRA MA	0.375	LAA 12	0	92	91	99	99	86
B»	LIQUID AMS	2.50	PMV 12						
25A»	TOUCHDOWN 3L	0.375	LAA 12	0	98	88	99	99	77
B»	LIQUID AMS	2.50	PMV 12						
26A»	GLYPHOMAX PLUS	0.375	LAA 12	0	98	85	99	99	80
B»	LIQUID AMS	2.50	PMV 12						
27A»	RNDUP ULTRA MA	0.75	LAA 12	0	96	93	99	99	87
B»	LIQUID AMS	2.50	PMV 12						
28A»	TOUCHDOWN 3L	0.75	LAA 12	0	94	99	98	99	88
B»	LIQUID AMS	2.50	PMV 12						
29A»	GLYPHOMAX PLUS	0.75	LAA 12	0	99	99	99	99	84
B»	LIQUID AMS	2.50	PMV 12						
30A	CHECK	0.00	NA 12	0	0	0	0	0	0
LSD (0.05)				0.00	5.40	13.75	7.68	7.86	12.00
STANDARD DEVIATION				0.00	2.70	6.87	3.84	3.93	6.00

DATA MEAN

TITLE: PSOYGLYP Glyphosate comparison with simulated rainfall
CREATED: 06/18/2001 **REVISED:** 11/17/2001 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Perry **RESEARCHED BY:**
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT **WIDE X** 30.00 FT **LONG** **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		CHEAL	GLXMA
		RATE	UNIT	CON % 07/19/01	CON % 10/30/01
	1A»RNDUP ULTRA MA	0.188	LAA 12	88	50.3
	B»LIQUID AMS	2.50	PMV 12		
	2A»TOUCHDOWN 3L	0.188	LAA 12	77	43.5
	B»LIQUID AMS	2.50	PMV 12		
	3A»GLYPHOMAX PLUS	0.188	LAA 12	78	46.7
	B»LIQUID AMS	2.50	PMV 12		
	4A»RNDUP ULTRA MA	0.375	LAA 12	99	50.1
	B»LIQUID AMS	2.50	PMV 12		
	5A»TOUCHDOWN 3L	0.375	LAA 12	95	52.2
	B»LIQUID AMS	2.50	PMV 12		
	6A»GLYPHOMAX PLUS	0.375	LAA 12	96	46.7
	B»LIQUID AMS	2.50	PMV 12		
	7A»RNDUP ULTRA MA	0.75	LAA 12	96	54.9
	B»LIQUID AMS	2.50	PMV 12		
	8A»TOUCHDOWN 3L	0.75	LAA 12	99	52.6
	B»LIQUID AMS	2.50	PMV 12		
	9A»GLYPHOMAX PLUS	0.75	LAA 12	99	55.4
	B»LIQUID AMS	2.50	PMV 12		
10A	CHECK	0.00	NA 12	0	30.7
	11A»RNDUP ULTRA MA	0.188	LAA 12	80	45.6
	B»LIQUID AMS	2.50	PMV 12		
	12A»TOUCHDOWN 3L	0.188	LAA 12	70	55.1
	B»LIQUID AMS	2.50	PMV 12		
	13A»GLYPHOMAX PLUS	0.188	LAA 12	77	48.8
	B»LIQUID AMS	2.50	PMV 12		
	14A»RNDUP ULTRA MA	0.375	LAA 12	91	54.7
	B»LIQUID AMS	2.50	PMV 12		
	15A»TOUCHDOWN 3L	0.375	LAA 12	98	53.8
	B»LIQUID AMS	2.50	PMV 12		
	16A»GLYPHOMAX PLUS	0.375	LAA 12	90	55.3
	B»LIQUID AMS	2.50	PMV 12		
	17A»RNDUP ULTRA MA	0.75	LAA 12	93	54.2
	B»LIQUID AMS	2.50	PMV 12		
	18A»TOUCHDOWN 3L	0.75	LAA 12	99	51.5
	B»LIQUID AMS	2.50	PMV 12		
	19A»GLYPHOMAX PLUS	0.75	LAA 12	99	54.7
	B»LIQUID AMS	2.50	PMV 12		
20A	CHECK	0.00	NA 12	0	33.7
	21A»RNDUP ULTRA MA	0.188	LAA 12	65	46.5
	B»LIQUID AMS	2.50	PMV 12		
	22A»TOUCHDOWN 3L	0.188	LAA 12	65	48.5
	B»LIQUID AMS	2.50	PMV 12		
	23A»GLYPHOMAX PLUS	0.188	LAA 12	67	52.2
	B»LIQUID AMS	2.50	PMV 12		

DATA MEAN

TITLE: PSOYGLYP Glyphosate comparison with simulated rainfall

TRT	TREATMENT	DOSAGE	CHEAL	GLXMA
NUM	COMPONENT	RATE	CON %	CON %
		UNIT	TM	10/30/01
24A»	RNDUP ULTRA MA	0.375	LAA 12	83
	B»LIQUID AMS	2.50	PMV 12	55.3
25A»	TOUCHDOWN 3L	0.375	LAA 12	83
	B»LIQUID AMS	2.50	PMV 12	55.1
26A»	GLYPHOMAX PLUS	0.375	LAA 12	86
	B»LIQUID AMS	2.50	PMV 12	52.0
27A»	RNDUP ULTRA MA	0.75	LAA 12	94
	B»LIQUID AMS	2.50	PMV 12	56.5
28A»	TOUCHDOWN 3L	0.75	LAA 12	99
	B»LIQUID AMS	2.50	PMV 12	52.6
29A»	GLYPHOMAX PLUS	0.75	LAA 12	99
	B»LIQUID AMS	2.50	PMV 12	53.6
30A	CHECK	0.00	NA 12	0
				29.1
		LSD (0.05)		14.00
		STANDARD DEVIATION		7.00
				8.19
				4.09

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

12 = ----- / POST 06/19/2001(1)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
01	GLXMA	BU/ACRE	07/07/2001	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
02	SETFA	CON %	07/07/2001	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
03	ABUTH	CON %	07/07/2001	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
04	DATST	CON %	07/07/2001	04	P	DATST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
05	AMARE	CON %	07/07/2001	05	P	AMARE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
06	IPOHE	CON %	07/07/2001	07	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
07	GLXMA	CON %	07/19/2001	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
08	SETFA	CON %	07/19/2001	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
09	ABUTH	CON %	07/19/2001	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
10	DATST	CON %	07/19/2001	04	P	DATST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
11	AMARE	CON %	07/19/2001	05	P	AMARE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
12	IPOHE	CON %	07/19/2001	07	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
13	CHEAL	CON %	07/19/2001	06	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
14	GLXMA	CON %	10/30/2001	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = ASGROW 3701RR