

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX
 PH: 6.1
 %OM: 5.5
 PREV.CROP: ZEAMD - CORN, DENT
 %RESIDUE: 0
 PLOT WIDTH: 7.5 X 30 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	09	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05/14/01	06/18/01	AME
AIR TEMPERATURE	70	83	F
% REL.HUMIDITY	30	65	
WIND DIRECTION	SOUTH	SOUTH	
WIND SPEED	7.0	5.0	M/H
CLOUD COVER	CLEAR	CLEAR	
DEW	DRY	DRY	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
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 ***			
VELVETLEAF		---/15 4.00/6.00	IN
WATERHEMP, COMMO		HGH/19 2.00/8.00	IN
LAMBSQUARTERS, C		HGH/19 2.00/6.00	IN
SOYBEAN ASGROW 3302 RR/S 05/14/2001		NA/15 6.00/6.00	IN
MORNINGGLORY, TA		HGH/16 4.00/4.00	IN
FOXTAIL, GIANT		HGH/13 1.00/3.00	IN

* TIMING CODES

09 = ----- / PRE
 12 = ----- / POST

* STAGE CODE

13 = 3 LEAVES UNFOLDED
 15 = 5TH LEAF (3RD TRIFOLIATE LEAF) UNFOLDED, 4 NODES
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

DATA MEAN

TITLE: USOYWH CO. WATERHEMP CONTROL SYSTEMS IN RRSOYBEAN URBANA AS-400
CREATED: 05/04/2001 **REVISED:** 08/30/2001 **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** **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			GLXMA	SETFA	AMATA	CHEAL	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 06/18/01	CON % 06/18/01	CON % 06/18/01	CON % 06/18/01	CON % 06/18/01	CON % 06/18/01
1A	AUTHORITY	0.23	LAA	9	0	17	86	99	82	88
B	FLEXSTAR 1.88M	0.235	LAA	12						
C	FUSION	0.167	LAA	12						
D	COC	1.00	PMV	12						
E	28% UAN	2.50	PMV	12						
2A	AUTHORITY	0.117	LAA	9	0	58	92	96	85	87
B	CANOPY XL 56.3	0.088	LAA	0						
C	AUTHORITY	0.073	LAA	9						
D	CLASSIC 25WG	0.015	LAA	9						
E	FLEXSTAR 1.88M	0.235	LAA	12						
F	FUSION	0.167	LAA	12						
G	COC	1.00	PMV	12						
H	28% UAN	2.50	PMV	12						
3A	PROWL 3.3EC	1.24	LAA	9	0	66	81	99	83	0
B	RAPTOR 1AS	0.031	LAA	12						
C	ULTRA BLAZER	0.125	LAA	12						
D	MISO	1.00	PMV	12						
E	LIQUID AMS	3.67	PMV	12						
4A	PROWL 3.3EC	1.24	LAA	9	0	52	80	98	90	0
B	RAPTOR 1AS	0.031	LAA	12						
C	ULTRA BLAZER	0.188	LAA	12						
D	MISO	1.00	PMV	12						
E	LIQUID AMS	3.67	PMV	12						
5A	VALOR 50WG	0.063	LAA	9	6	40	92	93	85	83
B	RNDUP ULTRA MA	0.75	LAA	12						
C	LIQUID AMS	2.50	PMV	12						
6A	AUTHORITY	0.117	LAA	9	0	13	67	94	78	93
B	RNDUP ULTRA MA	0.75	LAA	12						
C	LIQUID AMS	2.50	PMV	12						
7A	BOUNDARY 7.8L	1.56	LAA	9	0	83	90	93	80	0
B	TOUCHDOWN 3L	0.75	LAA	12						
C	LIQUID AMS	2.50	PMV	12						
8A	COMMAND 3ME	0.60	LAA	9	0	84	87	98	94	91
B	SPARTAN 4L	0.30	LAA	9						
C	RNDUP ULTRA MA	0.75	LAA	12						
D	LIQUID AMS	2.50	PMV	12						
9A	DOMAIN 60DF	0.375	LAA	9	0	60	80	84	74	0
B	TOUCHDOWN 3L	0.75	LAA	12						
C	LIQUID AMS	2.50	PMV	12						
10A	PENDIMAX 3.3L	1.24	LAA	9	0	66	83	99	87	0
B	GLYPHOMAX PLUS	0.75	LAA	12						
C	LIQUID AMS	5.00	PMV	12						
11A	PYTHON 80WG	0.05	LAA	9	0	13	48	86	90	77
B	GLYPHOMAX PLUS	0.75	LAA	12						
C	LIQUID AMS	5.00	PMV	12						
12A	PENDIMAX 3.3L	1.24	LAA	9	0	67	90	96	92	0
B	PYTHON 80WG	0.05	LAA	9						
C	GLYPHOMAX PLUS	0.75	LAA	12						
D	LIQUID AMS	5.00	PMV	12						
13A	VALOR 50WG	0.063	LAA	9	6	25	92	98	90	87
B	V-10086 2EC	0.15	LAA	12						
C	SELECT (2EC)	0.125	LAA	12						
D	LIQUID AMS	3.67	PMV	12						
14A	GLYPHOMAX PLUS	0.75	LAA	12						
B	LIQUID AMS	5.00	PMV	12						

DATA MEAN

TITLE: USOYWH CO. WATERHEMP CONTROL SYSTEMS IN RRSOYBEAN URBANA AS-400

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA	SETFA	AMATA	CHEAL	ABUTH	PHBPU
		RATE	UNIT		CON % 06/18/01	CON % 06/18/01	CON % 06/18/01	CON % 06/18/01	CON % 06/18/01	CON % 06/18/01
15A	TOUCHDOWN 3L	0.75	LAA	12						
	B»LIQUID AMS	2.50	PMV	12						
16A	RNDUP ULTRA MA	0.75	LAA	12						
	B»LIQUID AMS	2.50	PMV	12						
17A	CHECK	0.00	NA	0	0	0	0	0	0	0
18A	RAPTOR 1AS	0.039	LAA	12						
	B»ULTRA BLAZER	0.125	LAA	12						
	C»MSO	1.00	PMV	12						
	D»LIQUID AMS	3.67	PMV	12						
19A	V-10086 2EC	0.15	LAA	12						
	B SELECT (2EC)	0.125	LAA	12						
	C»LIQUID AMS	3.67	PMV	12						
20A	TOUCHDOWN 3L	0.75	LAA	12						
	B»FLEXSTAR 1.88M	0.176	LAA	12						
	C»LIQUID AMS	3.67	PMV	12						
		LSD (0.05)			1.61	14.92	11.00	6.64	11.73	9.92
		STANDARD DEVIATION			0.797	7.38	5.42	3.29	5.81	4.91

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CREATED: 05/04/2001 **REVISED:** 08/30/2001 **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** **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			GLXMA	SETFA	AMATA	CHEAL	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 07/02/01	CON % 07/02/01	CON % 07/02/01	CON % 07/02/01	CON % 07/02/01	CON % 07/02/01
1A	AUTHORITY	0.23	LAA	9	13	98	99	99	94	91
B	FLEXSTAR 1.88M	0.235	LAA	12						
C	FUSION	0.167	LAA	12						
D	COC	1.00	PMV	12						
E	28% UAN	2.50	PMV	12						
2A	AUTHORITY	0.117	LAA	9	12	99	99	98	96	95
B	CANOPY XL 56.3	0.088	LAA	0						
C	AUTHORITY	0.073	LAA	9						
D	CLASSIC 25WG	0.015	LAA	9						
E	FLEXSTAR 1.88M	0.235	LAA	12						
F	FUSION	0.167	LAA	12						
G	COC	1.00	PMV	12						
H	28% UAN	2.50	PMV	12						
3A	PROWL 3.3EC	1.24	LAA	9	15	99	99	99	99	85
B	RAPTOR 1AS	0.031	LAA	12						
C	ULTRA BLAZER	0.125	LAA	12						
D	MISO	1.00	PMV	12						
E	LIQUID AMS	3.67	PMV	12						
4A	PROWL 3.3EC	1.24	LAA	9	17	99	99	99	99	86
B	RAPTOR 1AS	0.031	LAA	12						
C	ULTRA BLAZER	0.188	LAA	12						
D	MISO	1.00	PMV	12						
E	LIQUID AMS	3.67	PMV	12						
5A	VALOR 50WG	0.063	LAA	9	3	99	99	99	99	80
B	RNDUP ULTRA MA	0.75	LAA	12						
C	LIQUID AMS	2.50	PMV	12						
6A	AUTHORITY	0.117	LAA	9	0	99	99	99	99	93
B	RNDUP ULTRA MA	0.75	LAA	12						
C	LIQUID AMS	2.50	PMV	12						
7A	BOUNDARY 7.8L	1.56	LAA	9	0	99	99	99	99	84
B	TOUCHDOWN 3L	0.75	LAA	12						
C	LIQUID AMS	2.50	PMV	12						
8A	COMMAND 3ME	0.60	LAA	9	0	99	99	99	99	93
B	SPARTAN 4L	0.30	LAA	9						
C	RNDUP ULTRA MA	0.75	LAA	12						
D	LIQUID AMS	2.50	PMV	12						
9A	DOMAIN 60DF	0.375	LAA	9	0	99	99	99	99	87
B	TOUCHDOWN 3L	0.75	LAA	12						
C	LIQUID AMS	2.50	PMV	12						
10A	PENDIMAX 3.3L	1.24	LAA	9	0	99	99	99	97	81
B	GLYPHOMAX PLUS	0.75	LAA	12						
C	LIQUID AMS	5.00	PMV	12						
11A	PYTHON 80WG	0.05	LAA	9	0	99	99	99	99	84
B	GLYPHOMAX PLUS	0.75	LAA	12						
C	LIQUID AMS	5.00	PMV	12						
12A	PENDIMAX 3.3L	1.24	LAA	9	0	99	99	99	99	85
B	PYTHON 80WG	0.05	LAA	9						
C	GLYPHOMAX PLUS	0.75	LAA	12						
D	LIQUID AMS	5.00	PMV	12						
13A	VALOR 50WG	0.063	LAA	9	11	99	99	98	88	78
B	V-10086 2EC	0.15	LAA	12						
C	SELECT (2EC)	0.125	LAA	12						
D	LIQUID AMS	3.67	PMV	12						
14A	GLYPHOMAX PLUS	0.75	LAA	12	0	99	99	99	91	83
B	LIQUID AMS	5.00	PMV	12						

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TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA	SETFA	AMATA	CHEAL	ABUTH	PHBPU	
		RATE	UNIT		CON % 07/02/01	CON % 07/02/01	CON % 07/02/01	CON % 07/02/01	CON % 07/02/01	CON % 07/02/01	
15A	TOUCHDOWN 3L	0.75	LAA	12	0	99	99	99	92	85	
	B»LIQUID AMS	2.50	PMV	12							
16A	RNDUP ULTRA MA	0.75	LAA	12	0	99	99	99	93	85	
	B»LIQUID AMS	2.50	PMV	12							
17A	CHECK	0.00	NA	0	0	0	0	0	0	0	
18A	RAPTOR 1AS	0.039	LAA	12	22	95	99	99	97	81	
	B»ULTRA BLAZER	0.125	LAA	12							
	C»MSO	1.00	PMV	12							
	D»LIQUID AMS	3.67	PMV	12							
19A	V-10086 2EC	0.15	LAA	12	12	98	96	78	80	85	
	B SELECT (2EC)	0.125	LAA	12							
	C»LIQUID AMS	3.67	PMV	12							
20A	TOUCHDOWN 3L	0.75	LAA	12	12	98	99	99	98	94	
	B»FLEXSTAR 1.88M	0.176	LAA	12							
	C»LIQUID AMS	3.67	PMV	12							
					LSL (0.05)	4.20	1.09	0.874	1.34	3.32	4.00
					STANDARD DEVIATION	2.08	0.537	0.433	0.665	1.64	2.00

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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** **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			GLXMA	SETFA	AMATA	CHEAL	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 07/16/01	CON % 07/16/01	CON % 07/16/01	CON % 07/16/01	CON % 07/16/01	CON % 07/16/01
1A	AUTHORITY	0.23	LAA	9	0	97	98	98	93	89
B	FLEXSTAR 1.88M	0.235	LAA	12						
C	FUSION	0.167	LAA	12						
D	COC	1.00	PMV	12						
E	28% UAN	2.50	PMV	12						
2A	AUTHORITY	0.117	LAA	9	0	96	98	98	95	91
B	CANOPY XL 56.3	0.088	LAA	0						
C	AUTHORITY	0.073	LAA	9						
D	CLASSIC 25WG	0.015	LAA	9						
E	FLEXSTAR 1.88M	0.235	LAA	12						
F	FUSION	0.167	LAA	12						
G	COC	1.00	PMV	12						
H	28% UAN	2.50	PMV	12						
3A	PROWL 3.3EC	1.24	LAA	9	0	96	96	96	98	83
B	RAPTOR 1AS	0.031	LAA	12						
C	ULTRA BLAZER	0.125	LAA	12						
D	MISO	1.00	PMV	12						
E	LIQUID AMS	3.67	PMV	12						
4A	PROWL 3.3EC	1.24	LAA	9	0	98	98	98	97	84
B	RAPTOR 1AS	0.031	LAA	12						
C	ULTRA BLAZER	0.188	LAA	12						
D	MISO	1.00	PMV	12						
E	LIQUID AMS	3.67	PMV	12						
5A	VALOR 50WG	0.063	LAA	9	0	98	98	96	98	78
B	RNDUP ULTRA MA	0.75	LAA	12						
C	LIQUID AMS	2.50	PMV	12						
6A	AUTHORITY	0.117	LAA	9	0	97	97	99	96	91
B	RNDUP ULTRA MA	0.75	LAA	12						
C	LIQUID AMS	2.50	PMV	12						
7A	BOUNDARY 7.8L	1.56	LAA	9	0	97	98	98	96	81
B	TOUCHDOWN 3L	0.75	LAA	12						
C	LIQUID AMS	2.50	PMV	12						
8A	COMMAND 3ME	0.60	LAA	9	0	98	98	96	98	92
B	SPARTAN 4L	0.30	LAA	9						
C	RNDUP ULTRA MA	0.75	LAA	12						
D	LIQUID AMS	2.50	PMV	12						
9A	DOMAIN 60DF	0.375	LAA	9	0	96	96	96	94	85
B	TOUCHDOWN 3L	0.75	LAA	12						
C	LIQUID AMS	2.50	PMV	12						
10A	PENDIMAX 3.3L	1.24	LAA	9	0	96	98	97	93	80
B	GLYPHOMAX PLUS	0.75	LAA	12						
C	LIQUID AMS	5.00	PMV	12						
11A	PYTHON 80WG	0.05	LAA	9	0	97	96	97	97	82
B	GLYPHOMAX PLUS	0.75	LAA	12						
C	LIQUID AMS	5.00	PMV	12						
12A	PENDIMAX 3.3L	1.24	LAA	9	0	97	98	97	98	83
B	PYTHON 80WG	0.05	LAA	9						
C	GLYPHOMAX PLUS	0.75	LAA	12						
D	LIQUID AMS	5.00	PMV	12						
13A	VALOR 50WG	0.063	LAA	9	0	96	99	90	85	75
B	V-10086 2EC	0.15	LAA	12						
C	SELECT (2EC)	0.125	LAA	12						
D	LIQUID AMS	3.67	PMV	12						
14A	GLYPHOMAX PLUS	0.75	LAA	12	0	93	97	98	88	81
B	LIQUID AMS	5.00	PMV	12						

DATA MEAN

TITLE: USOYWH CO. WATERHEMP CONTROL SYSTEMS IN RRSOYBEAN URBANA AS-400

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA	SETFA	AMATA	CHEAL	ABUTH	PHBPU
		RATE	UNIT		CON % 07/16/01	CON % 07/16/01	CON % 07/16/01	CON % 07/16/01	CON % 07/16/01	CON % 07/16/01
15A	TOUCHDOWN 3L	0.75	LAA	12	0	93	98	98	90	82
	B>LIQUID AMS	2.50	PMV	12						
16A	RNDUP ULTRA MA	0.75	LAA	12	0	93	97	98	91	84
	B>LIQUID AMS	2.50	PMV	12						
17A	CHECK	0.00	NA	0	0	0	0	0	0	0
18A	RAPTOR 1AS	0.039	LAA	12	0	93	96	94	92	79
	B>ULTRA BLAZER	0.125	LAA	12						
	C>MSO	1.00	PMV	12						
	D>LIQUID AMS	3.67	PMV	12						
19A	V-10086 2EC	0.15	LAA	12	0	95	92	74	80	83
	B SELECT (2EC)	0.125	LAA	12						
	C>LIQUID AMS	3.67	PMV	12						
20A	TOUCHDOWN 3L	0.75	LAA	12	0	97	98	96	96	92
	B>FLEXSTAR 1.88M	0.176	LAA	12						
	C>LIQUID AMS	3.67	PMV	12						
LSD (0.05)					0.00	3.22	2.63	3.63	3.82	4.49
STANDARD DEVIATION					0.00	1.59	1.30	1.80	1.89	2.22

>> = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PRE 05/14/2001(1)
 12 = ----- / POST 06/18/2001(2)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
06	GLXMA	CON %	06/18/2001	01	P	GLXMA	15	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
01	SETFA	CON %	06/18/2001	02	P	SETFA	13	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
02	AMATA	CON %	06/18/2001	03	P	AMATA	19	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
03	CHEAL	CON %	06/18/2001	04	P	CHEAL	19	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
04	ABUTH	CON %	06/18/2001	05	P	ABUTH	15	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
05	PHBPU	CON %	06/18/2001	06	P	PHBPU	16	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
07	GLXMA	CON %	07/02/2001	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
08	SETFA	CON %	07/02/2001	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
09	AMATA	CON %	07/02/2001	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
10	CHEAL	CON %	07/02/2001	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
11	ABUTH	CON %	07/02/2001	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
12	PHBPU	CON %	07/02/2001	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
13	GLXMA	CON %	07/16/2001	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
14	SETFA	CON %	07/16/2001	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
15	AMATA	CON %	07/16/2001	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
16	CHEAL	CON %	07/16/2001	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
17	ABUTH	CON %	07/16/2001	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
18	PHBPU	CON %	07/16/2001	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = ASGROW 3302 RR/STS

* STAGE CODE

13 = 3 LEAVES UNFOLDED
 15 = 5TH LEAF (3RD TRIFOLIATE LEAF) UNFOLDED, 4 NODES
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED