

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	03	UNIT
TIMINGS	09	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	06/01/02	06/28/02	07/03/02	AME
AIR TEMPERATURE	89	83	88	F
% REL.HUMIDITY	42	65	60	
WIND DIRECTION	WEST	NORTH	NA/NONE/U	
WIND SPEED	8.0	2.0	0.0	M/H
CLOUD COVER	CLEAR	PARTCLDY	CLEAR	
DEW	DRY	DRY	DRY	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	
INC. DATE				AME
INC. START				24H
INC. END				24H
INC. DEPTH				IN
INC. EQUIPMENT	---	---	---	
DEN/ STG/ MINMAXSZ				
*** CROP ***				
SOYBEAN		---/13	---/14	
FS 2906RR		6.00/6.00	8.00/8.00	IN
06/01/2002				
*** PEST ***				
VELVETLEAF		---/14	---/16	
		2.00/4.00	3.00/6.00	IN
WATERHEMP, COMMO		---/18	---/19	
		1.00/4.00	2.00/6.00	IN
LAMBSQUARTERS, C		---/19	---/19	
		1.00/2.00	2.00/4.00	IN
MORNINGGLORY, IV		---/19	---/19	
		1.00/3.00	2.00/4.00	IN
FOXTAIL, GIANT		---/12	---/13	
		2.00/8.00	4.00/8.00	IN
COCKLEBUR, COMMO		---/14	---/16	
		2.00/4.00	4.00/6.00	IN

\* TIMING CODES

09 = ----- / PREEMERGENCE  
 12 = ----- / POST  
 13 = ----- / LPOST

\* STAGE CODE

12 = 2 LEAVES UNFOLDED  
 13 = 3RD LEAF (1ST TRIFOLIATE LEAF) UNFOLDED, 2 NODES  
 14 = 4TH 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

## DATA MEAN

TITLE: Weed Control Systems in Soybean AS-400

CREATED: 04/25/2002 REVISED: 08/05/2002

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	ABUTH	CHEAL	IPOHE
		RATE	UNIT	TM	CON % 06/18/02	CON % 06/18/02	CON % 06/18/02	CON % 06/18/02	CON % 06/18/02	CON % 06/18/02
1A	GAUNTLET	0.00	LAA	0	0	95	99	96	99	87
	B>>FIRSTRATE 84WG	0.032	LAA	9						
	C>>AUTHORITY	0.25	LAA	9						
	D>>PENDIMAX 3.3L	1.24	LAA	9						
2A	PYTHON 80WG	0.05	LAA	9	0	96	98	92	96	72
	B>>PENDIMAX 3.3L	1.24	LAA	9						
3A	FIRSTRATE 84WG	0.021	LAA	9	0	98	99	99	99	88
	B>>PYTHON 80WG	0.025	LAA	9						
	C>>PENDIMAX 3.3L	1.24	LAA	9						
4A	COMMAND XTRA	0.00	LAA	0	0	98	99	96	99	93
	B COMMAND 3ME	0.60	LAA	9						
	C>>SPARTAN 4L	0.30	LAA	9						
5A	PURSUIT +	0.91	LAA	9	0	96	99	95	99	83
6A	BOUNDARY 6.5EC	1.63	LAA	9	0	99	98	93	96	80
7A	DOMAIN 60DF	0.60	LAA	9	0	97	99	99	99	75
8A	PENDIMAX 3.3L	1.24	LAA	9	0	93	99	90	99	73
	B>>FIRSTRATE 84WG	0.016	LAA	12						
	C>>FLEXSTAR 1.88M	0.18	LAA	12						
	D SELECT (2EC)	0.094	LAA	12						
	E>>ACTIVATOR 90	0.125	PMV	12						
	F 28% UAN	2.50	PMV	12						
9A	PYTHON 80WG	0.05	LAA	9	0	85	98	98	93	88
	B>>PENDIMAX 3.3L	1.24	LAA	9						
	C>>FIRSTRATE 84WG	0.016	LAA	12						
	D SELECT (2EC)	0.094	LAA	12						
	E>>ACTIVATOR 90	0.125	PMV	12						
	F 28% UAN	2.50	PMV	12						
10A	PROWL 3.3EC	1.24	LAA	9	0	88	99	83	99	73
	B>>RAPTOR 1AS	0.031	LAA	12						
	C>>ULTRA BLAZER	0.188	LAA	12						
	D>>MSO	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
11A	VALOR 51WDG	0.063	LAA	9	0	87	97	93	96	80
	B>>PHOENIX 2EC	0.156	LAA	12						
	C SELECT (2EC)	0.125	LAA	12						
	D>>ACTIVATOR 90	0.25	PMV	12						
	E 28% UAN	2.50	PMV	12						
12A	AUTHORITY	0.188	LAA	9	0	88	98	83	96	68
	B CLASSIC 25WG	0.008	LAA	12						
	C ASSURE II (0.8	0.034	LAA	12						
	D>>ACTIVATOR 90	0.125	PMV	12						
13A	PURSUIT DG (70	0.063	LAA	9	0	93	86	93	96	83
	B>>ULTRA BLAZER	0.25	LAA	12						
	C POAST + 1EC	0.20	LAA	12						
	D>>COC	1.00	PMV	12						
14A	DUAL II MAGNUM	0.96	LAA	9	0	99	98	82	98	77
	B>>FLEXSTAR 1.88M	0.235	LAA	12						
	C FUSION	0.167	LAA	12						
	D>>COC	1.00	PMV	12						
15A	CHECK	0.00	NA	0	0	0	0	0	0	0

## DATA MEAN

TITLE: Weed Control Systems in Soybean AS-400

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA	SETFA	AMATA	ABUTH	CHEAL	IPOHE
		RATE	UNIT		CON % 06/18/02	CON % 06/18/02	CON % 06/18/02	CON % 06/18/02	CON % 06/18/02	CON % 06/18/02
16A	BOUNDARY 6.5EC	1.22	LAA	9	0	98	99	98	99	57
	B»FLEXSTAR 1.88M	0.294	LAA	12						
	C FUSION	0.167	LAA	12						
	D»MSO	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
17A	BOUNDARY 6.5EC	1.63	LAA	9	0	98	99	96	96	73
	B»FLEXSTAR 1.88M	0.294	LAA	12						
	C»MSO	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
18A	DOMAIN 60DF	0.375	LAA	9	0	98	99	91	99	75
	B»RAPTOR 1AS	0.031	LAA	12						
	C»MSO	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
19A	DOMAIN 60DF	0.375	LAA	9	0	93	99	87	99	68
	B SELECT (2EC)	0.094	LAA	12						
	C COBRA 2EC	0.094	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
20A	FIRSTRATE 84WG	0.016	LAA	12	0					
	B»FLEXSTAR 1.88M	0.18	LAA	12						
	C SELECT (2EC)	0.094	LAA	12						
	D»ACTIVATOR 90	0.125	PMV	12						
	E 28% UAN	2.50	PMV	12						
21A	FIRSTRATE 84WG	0.016	LAA	12	0					
	B»PHOENIX 2EC	0.125	LAA	12						
	C SELECT (2EC)	0.094	LAA	12						
	D»ACTIVATOR 90	0.125	PMV	12						
	E 28% UAN	2.50	PMV	12						
22A	FLEXSTAR 1.88M	0.294	LAA	12	0					
	B FUSION	0.21	LAA	12						
	C»MSO	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
23A	SELECT (2EC)	0.094	LAA	12	0					
	B COBRA 2EC	0.125	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
24A	RAPTOR 1AS	0.039	LAA	12	0					
	B»MSO	1.00	PMV	12						
	C 28% UAN	2.50	PMV	12						
25A	RAPTOR 1AS	0.031	LAA	12	0					
	B»ULTRA BLAZER	0.188	LAA	12						
	C»MSO	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
26A	PHOENIX 2EC	0.20	LAA	12	0					
	B»FIRSTRATE 84WG	0.016	LAA	12						
	C SELECT (2EC)	0.125	LAA	12						
	D»ACTIVATOR 90	0.25	PMV	12						
27A	PHOENIX 2EC	0.20	LAA	12	0					
	B»FIRSTRATE 84WG	0.016	LAA	12						
	C SELECT (2EC)	0.125	LAA	12						
	D»ACTIVATOR 90	0.25	PMV	12						
	E»LIQUID AMS	3.67	PMV	12						
28A	FLEXSTAR 1.88M	0.19	LAA	12	0					
	B»FIRSTRATE 84WG	0.016	LAA	12						
	C SELECT (2EC)	0.125	LAA	12						
	D»COC	0.63	PMV	12						
	E»LIQUID AMS	3.67	PMV	12						

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TITLE: Weed Control Systems in Soybean AS-400

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA	SETFA	AMATA	ABUTH	CHEAL	IPOHE
		RATE	UNIT		CON % 06/18/02	CON % 06/18/02	CON % 06/18/02	CON % 06/18/02	CON % 06/18/02	CON % 06/18/02
29A	PHOENIX 2EC	0.15	LAA	12						
	B»FIRSTRATE 84WG	0.016	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D SELECT (2EC)	0.125	LAA	13						
	E»COC	1.25	PMV	13						
30A	PHOENIX 2EC	0.15	LAA	12						
	B»FIRSTRATE 84WG	0.016	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D»LIQUID AMS	3.67	PMV	12						
	E SELECT (2EC)	0.125	LAA	13						
	F»COC	1.25	PMV	13						
31A	FIRSTRATE 84WG	0.016	LAA	12						
	B»COC	0.63	PMV	12						
	C»LIQUID AMS	3.67	PMV	12						
	D SELECT (2EC)	0.125	LAA	13						
	E»COC	1.25	PMV	13						
32A	FLEXSTAR 1.88M	0.19	LAA	12						
	B»FIRSTRATE 84WG	0.016	LAA	12						
	C»COC	0.63	PMV	12						
	D»LIQUID AMS	3.67	PMV	12						
	E SELECT (2EC)	0.125	LAA	13						
	F»COC	1.25	PMV	13						
		LSD (0.05)			0.00	6.00	4.66	6.06	4.91	15.15
		STANDARD DEVIATION			0.00	3.00	2.33	3.00	2.46	7.57

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CREATED: 04/25/2002 REVISED: 08/05/2002

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	ABUTH	CHEAL	IPOHE
		RATE	UNIT	TM	CON % 07/11/02	CON % 07/11/02	CON % 07/11/02	CON % 07/11/02	CON % 07/11/02	CON % 07/11/02
1A	GAUNTLET	0.00	LAA	0	0	78	96	83	96	57
	B>FIRSTRATE 84WG	0.032	LAA	9						
	C>AUTHORITY	0.25	LAA	9						
	D>PENDIMAX 3.3L	1.24	LAA	9						
2A	PYTHON 80WG	0.05	LAA	9	0	77	90	73	80	47
	B>PENDIMAX 3.3L	1.24	LAA	9						
3A	FIRSTRATE 84WG	0.021	LAA	9	0	78	88	98	98	77
	B>PYTHON 80WG	0.025	LAA	9						
	C>PENDIMAX 3.3L	1.24	LAA	9						
4A	COMMAND XTRA	0.00	LAA	0	0	82	80	86	93	77
	B COMMAND 3ME	0.60	LAA	9						
	C>SPARTAN 4L	0.30	LAA	9						
5A	PURSUIT +	0.91	LAA	9	0	91	80	98	98	73
6A	BOUNDARY 6.5EC	1.63	LAA	9	0	93	96	80	90	63
7A	DOMAIN 60DF	0.60	LAA	9	0	78	98	96	98	73
8A	PENDIMAX 3.3L	1.24	LAA	9	12	98	99	99	99	67
	B>FIRSTRATE 84WG	0.016	LAA	12						
	C>FLEXSTAR 1.88M	0.18	LAA	12						
	D SELECT (2EC)	0.094	LAA	12						
	E>ACTIVATOR 90	0.125	PMV	12						
	F 28% UAN	2.50	PMV	12						
9A	PYTHON 80WG	0.05	LAA	9	0	90	83	99	99	86
	B>PENDIMAX 3.3L	1.24	LAA	9						
	C>FIRSTRATE 84WG	0.016	LAA	12						
	D SELECT (2EC)	0.094	LAA	12						
	E>ACTIVATOR 90	0.125	PMV	12						
	F 28% UAN	2.50	PMV	12						
10A	PROWL 3.3EC	1.24	LAA	9	27	97	98	99	99	92
	B>RAPTOR 1AS	0.031	LAA	12						
	C>ULTRA BLAZER	0.188	LAA	12						
	D>MSO	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
11A	VALOR 51WDG	0.063	LAA	9	23	95	91	91	91	80
	B>PHOENIX 2EC	0.156	LAA	12						
	C SELECT (2EC)	0.125	LAA	12						
	D>ACTIVATOR 90	0.25	PMV	12						
	E 28% UAN	2.50	PMV	12						
12A	AUTHORITY	0.188	LAA	9	13	92	90	87	93	87
	B CLASSIC 25WG	0.008	LAA	12						
	C ASSURE II (0.8	0.034	LAA	12						
	D>ACTIVATOR 90	0.125	PMV	12						
13A	PURSUIT DG (70	0.063	LAA	9	22	99	99	95	99	90
	B>ULTRA BLAZER	0.25	LAA	12						
	C POAST + 1EC	0.20	LAA	12						
	D>COC	1.00	PMV	12						
14A	DUAL II MAGNUM	0.96	LAA	9	17	99	99	83	93	92
	B>FLEXSTAR 1.88M	0.235	LAA	12						
	C FUSION	0.167	LAA	12						
	D>COC	1.00	PMV	12						
15A	CHECK	0.00	NA	0	0	0	0	0	0	0

## DATA MEAN

TITLE: Weed Control Systems in Soybean AS-400

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA	SETFA	AMATA	ABUTH	CHEAL	IPOHE
		RATE	UNIT		CON % 07/11/02	CON % 07/11/02	CON % 07/11/02	CON % 07/11/02	CON % 07/11/02	CON % 07/11/02
16A	BOUNDARY 6.5EC	1.22	LAA	9	17	99	99	99	99	88
	B»FLEXSTAR 1.88M	0.294	LAA	12						
	C FUSION	0.167	LAA	12						
	D»MSO	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
17A	BOUNDARY 6.5EC	1.63	LAA	9	18	98	99	99	99	90
	B»FLEXSTAR 1.88M	0.294	LAA	12						
	C»MSO	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
18A	DOMAIN 60DF	0.375	LAA	9	12	99	96	99	99	90
	B»RAPTOR 1AS	0.031	LAA	12						
	C»MSO	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
19A	DOMAIN 60DF	0.375	LAA	9	18	99	99	86	99	67
	B SELECT (2EC)	0.094	LAA	12						
	C COBRA 2EC	0.094	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
20A	FIRSTRATE 84WG	0.016	LAA	12	15	88	96	99	85	67
	B»FLEXSTAR 1.88M	0.18	LAA	12						
	C SELECT (2EC)	0.094	LAA	12						
	D»ACTIVATOR 90	0.125	PMV	12						
	E 28% UAN	2.50	PMV	12						
21A	FIRSTRATE 84WG	0.016	LAA	12	18	87	87	93	83	77
	B»PHOENIX 2EC	0.125	LAA	12						
	C SELECT (2EC)	0.094	LAA	12						
	D»ACTIVATOR 90	0.125	PMV	12						
	E 28% UAN	2.50	PMV	12						
22A	FLEXSTAR 1.88M	0.294	LAA	12	25	99	98	95	92	92
	B FUSION	0.21	LAA	12						
	C»MSO	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
23A	SELECT (2EC)	0.094	LAA	12	23	98	99	88	87	80
	B COBRA 2EC	0.125	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
24A	RAPTOR 1AS	0.039	LAA	12	22	92	53	95	95	92
	B»MSO	1.00	PMV	12						
	C 28% UAN	2.50	PMV	12						
25A	RAPTOR 1AS	0.031	LAA	12	28	98	99	98	98	99
	B»ULTRA BLAZER	0.188	LAA	12						
	C»MSO	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
26A	PHOENIX 2EC	0.20	LAA	12	18	85	93	93	83	80
	B»FIRSTRATE 84WG	0.016	LAA	12						
	C SELECT (2EC)	0.125	LAA	12						
	D»ACTIVATOR 90	0.25	PMV	12						
27A	PHOENIX 2EC	0.20	LAA	12	17	88	93	96	83	85
	B»FIRSTRATE 84WG	0.016	LAA	12						
	C SELECT (2EC)	0.125	LAA	12						
	D»ACTIVATOR 90	0.25	PMV	12						
	E»LIQUID AMS	3.67	PMV	12						
28A	FLEXSTAR 1.88M	0.19	LAA	12	17	93	99	90	83	83
	B»FIRSTRATE 84WG	0.016	LAA	12						
	C SELECT (2EC)	0.125	LAA	12						
	D»COC	0.63	PMV	12						
	E»LIQUID AMS	3.67	PMV	12						

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TITLE: Weed Control Systems in Soybean AS-400

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA	SETFA	AMATA	ABUTH	CHEAL	IPOHE
		RATE	UNIT		CON % 07/11/02	CON % 07/11/02	CON % 07/11/02	CON % 07/11/02	CON % 07/11/02	CON % 07/11/02
29A	PHOENIX 2EC	0.15	LAA	12	18	80	88	83	67	73
	B»FIRSTRATE 84WG	0.016	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D SELECT (2EC)	0.125	LAA	13						
	E»COC	1.25	PMV	13						
30A	PHOENIX 2EC	0.15	LAA	12	15	80	90	88	80	80
	B»FIRSTRATE 84WG	0.016	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D»LIQUID AMS	3.67	PMV	12						
	E SELECT (2EC)	0.125	LAA	13						
	F»COC	1.25	PMV	13						
31A	FIRSTRATE 84WG	0.016	LAA	12	3	77	47	90	83	80
	B»COC	0.63	PMV	12						
	C»LIQUID AMS	3.67	PMV	12						
	D SELECT (2EC)	0.125	LAA	13						
	E»COC	1.25	PMV	13						
32A	FLEXSTAR 1.88M	0.19	LAA	12	7	87	92	92	83	78
	B»FIRSTRATE 84WG	0.016	LAA	12						
	C»COC	0.63	PMV	12						
	D»LIQUID AMS	3.67	PMV	12						
	E SELECT (2EC)	0.125	LAA	13						
	F»COC	1.25	PMV	13						
		LSD (0.05)			7.37	7.07	11.78	11.45	10.39	13.67
		STANDARD DEVIATION			3.68	3.53	5.89	5.73	5.20	6.84

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CREATED: 04/25/2002 REVISED: 08/05/2002

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			XANST CON % 07/11/02	GLXMA CON % 07/22/02	SETFA CON % 07/22/02	AMATA CON % 07/22/02	ABUTH CON % 07/22/02	CHEAL CON % 07/22/02
		RATE	UNIT	TM						
1A	GAUNTLET	0.00	LAA	0	77	0	78	96	83	95
	B>>FIRSTRATE 84WG	0.032	LAA	9						
	C>>AUTHORITY	0.25	LAA	9						
	D>>PENDIMAX 3.3L	1.24	LAA	9						
2A	PYTHON 80WG	0.05	LAA	9	50	0	80	96	83	93
	B>>PENDIMAX 3.3L	1.24	LAA	9						
3A	FIRSTRATE 84WG	0.021	LAA	9	92	0	80	88	95	95
	B>>PYTHON 80WG	0.025	LAA	9						
	C>>PENDIMAX 3.3L	1.24	LAA	9						
4A	COMMAND XTRA	0.00	LAA	0	77	0	75	83	86	93
	B COMMAND 3ME	0.60	LAA	9						
	C>>SPARTAN 4L	0.30	LAA	9						
5A	PURSUIT +	0.91	LAA	9	90	0	93	70	90	98
6A	BOUNDARY 6.5EC	1.63	LAA	9	80	0	93	95	80	93
7A	DOMAIN 60DF	0.60	LAA	9	93	0	73	93	90	93
8A	PENDIMAX 3.3L	1.24	LAA	9	87	0	99	99	98	99
	B>>FIRSTRATE 84WG	0.016	LAA	12						
	C>>FLEXSTAR 1.88M	0.18	LAA	12						
	D SELECT (2EC)	0.094	LAA	12						
	E>>ACTIVATOR 90	0.125	PMV	12						
	F 28% UAN	2.50	PMV	12						
9A	PYTHON 80WG	0.05	LAA	9	98	0	99	83	98	99
	B>>PENDIMAX 3.3L	1.24	LAA	9						
	C>>FIRSTRATE 84WG	0.016	LAA	12						
	D SELECT (2EC)	0.094	LAA	12						
	E>>ACTIVATOR 90	0.125	PMV	12						
	F 28% UAN	2.50	PMV	12						
10A	PROWL 3.3EC	1.24	LAA	9	98	17	99	99	99	99
	B>>RAPTOR 1AS	0.031	LAA	12						
	C>>ULTRA BLAZER	0.188	LAA	12						
	D>>MSO	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
11A	VALOR 51WDG	0.063	LAA	9	88	13	98	94	94	96
	B>>PHOENIX 2EC	0.156	LAA	12						
	C SELECT (2EC)	0.125	LAA	12						
	D>>ACTIVATOR 90	0.25	PMV	12						
	E 28% UAN	2.50	PMV	12						
12A	AUTHORITY	0.188	LAA	9	90	0	93	93	93	99
	B CLASSIC 25WG	0.008	LAA	12						
	C ASSURE II (0.8	0.034	LAA	12						
	D>>ACTIVATOR 90	0.125	PMV	12						
13A	PURSUIT DG (70	0.063	LAA	9	95	7	99	99	96	99
	B>>ULTRA BLAZER	0.25	LAA	12						
	C POAST + 1EC	0.20	LAA	12						
	D>>COC	1.00	PMV	12						
14A	DUAL II MAGNUM	0.96	LAA	9	98	0	99	99	80	93
	B>>FLEXSTAR 1.88M	0.235	LAA	12						
	C FUSION	0.167	LAA	12						
	D>>COC	1.00	PMV	12						
15A	CHECK	0.00	NA	0	0	0	0	0	0	0



## DATA MEAN

TITLE: Weed Control Systems in Soybean AS-400

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	XANST	GLXMA	SETFA	AMATA	ABUTH	CHEAL
		RATE	UNIT		CON % 07/11/02	CON % 07/22/02	CON % 07/22/02	CON % 07/22/02	CON % 07/22/02	CON % 07/22/02
16A	BOUNDARY 6.5EC	1.22	LAA	9	99	3	98	99	99	98
	B»FLEXSTAR 1.88M	0.294	LAA	12						
	C FUSION	0.167	LAA	12						
	D»MSO	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
17A	BOUNDARY 6.5EC	1.63	LAA	9	99	0	96	99	99	95
	B»FLEXSTAR 1.88M	0.294	LAA	12						
	C»MSO	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
18A	DOMAIN 60DF	0.375	LAA	9	94	0	99	96	99	99
	B»RAPTOR 1AS	0.031	LAA	12						
	C»MSO	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
19A	DOMAIN 60DF	0.375	LAA	9	99	3	99	96	88	96
	B SELECT (2EC)	0.094	LAA	12						
	C COBRA 2EC	0.094	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
20A	FIRSTRATE 84WG	0.016	LAA	12	99	7	95	91	95	92
	B»FLEXSTAR 1.88M	0.18	LAA	12						
	C SELECT (2EC)	0.094	LAA	12						
	D»ACTIVATOR 90	0.125	PMV	12						
	E 28% UAN	2.50	PMV	12						
21A	FIRSTRATE 84WG	0.016	LAA	12	93	7	92	88	90	80
	B»PHOENIX 2EC	0.125	LAA	12						
	C SELECT (2EC)	0.094	LAA	12						
	D»ACTIVATOR 90	0.125	PMV	12						
	E 28% UAN	2.50	PMV	12						
22A	FLEXSTAR 1.88M	0.294	LAA	12	99	12	99	99	98	96
	B FUSION	0.21	LAA	12						
	C»MSO	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
23A	SELECT (2EC)	0.094	LAA	12	99	12	93	93	83	90
	B COBRA 2EC	0.125	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
24A	RAPTOR 1AS	0.039	LAA	12	98	8	92	52	95	95
	B»MSO	1.00	PMV	12						
	C 28% UAN	2.50	PMV	12						
25A	RAPTOR 1AS	0.031	LAA	12	99	18	92	96	98	95
	B»ULTRA BLAZER	0.188	LAA	12						
	C»MSO	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
26A	PHOENIX 2EC	0.20	LAA	12	95	7	90	88	83	80
	B»FIRSTRATE 84WG	0.016	LAA	12						
	C SELECT (2EC)	0.125	LAA	12						
	D»ACTIVATOR 90	0.25	PMV	12						
27A	PHOENIX 2EC	0.20	LAA	12	96	10	88	92	90	82
	B»FIRSTRATE 84WG	0.016	LAA	12						
	C SELECT (2EC)	0.125	LAA	12						
	D»ACTIVATOR 90	0.25	PMV	12						
	E»LIQUID AMS	3.67	PMV	12						
28A	FLEXSTAR 1.88M	0.19	LAA	12	99	8	96	96	96	82
	B»FIRSTRATE 84WG	0.016	LAA	12						
	C SELECT (2EC)	0.125	LAA	12						
	D»COC	0.63	PMV	12						
	E»LIQUID AMS	3.67	PMV	12						

## DATA MEAN

TITLE: Weed Control Systems in Soybean AS-400

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	XANST	GLXMA	SETFA	AMATA	ABUTH	CHEAL
		RATE	UNIT		CON % 07/11/02	CON % 07/22/02	CON % 07/22/02	CON % 07/22/02	CON % 07/22/02	CON % 07/22/02
29A	PHOENIX 2EC	0.15	LAA	12	87	8	82	88	85	77
	B»FIRSTRATE 84WG	0.016	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D SELECT (2EC)	0.125	LAA	13						
	E»COC	1.25	PMV	13						
30A	PHOENIX 2EC	0.15	LAA	12	93	15	83	80	78	80
	B»FIRSTRATE 84WG	0.016	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D»LIQUID AMS	3.67	PMV	12						
	E SELECT (2EC)	0.125	LAA	13						
	F»COC	1.25	PMV	13						
31A	FIRSTRATE 84WG	0.016	LAA	12	87	3	80	47	87	77
	B»COC	0.63	PMV	12						
	C»LIQUID AMS	3.67	PMV	12						
	D SELECT (2EC)	0.125	LAA	13						
	E»COC	1.25	PMV	13						
32A	FLEXSTAR 1.88M	0.19	LAA	12	90	10	88	90	93	75
	B»FIRSTRATE 84WG	0.016	LAA	12						
	C»COC	0.63	PMV	12						
	D»LIQUID AMS	3.67	PMV	12						
	E SELECT (2EC)	0.125	LAA	13						
	F»COC	1.25	PMV	13						
		LSD (0.05)			9.22	7.00	7.31	10.62	11.14	10.00
		STANDARD DEVIATION			4.61	3.51	3.65	5.31	5.57	5.00

## DATA MEAN

TITLE: Weed Control Systems in Soybean AS-400

CREATED: 04/25/2002 REVISED: 08/05/2002

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			IPOHE	XANST
		RATE	UNIT	TM	CON % 07/22/02	CON % 07/22/02
1A	GAUNTLET	0.00	LAA	0	67	85
	B»FIRSTRATE 84WG	0.032	LAA	9		
	C»AUTHORITY	0.25	LAA	9		
	D»PENDIMAX 3.3L	1.24	LAA	9		
2A	PYTHON 80WG	0.05	LAA	9	47	57
	B»PENDIMAX 3.3L	1.24	LAA	9		
3A	FIRSTRATE 84WG	0.021	LAA	9	73	90
	B»PYTHON 80WG	0.025	LAA	9		
	C»PENDIMAX 3.3L	1.24	LAA	9		
4A	COMMAND XTRA	0.00	LAA	0	70	78
	B COMMAND 3ME	0.60	LAA	9		
	C»SPARTAN 4L	0.30	LAA	9		
5A	PURSUIT +	0.91	LAA	9	80	93
6A	BOUNDARY 6.5EC	1.63	LAA	9	68	80
7A	DOMAIN 60DF	0.60	LAA	9	72	93
8A	PENDIMAX 3.3L	1.24	LAA	9	80	96
	B»FIRSTRATE 84WG	0.016	LAA	12		
	C»FLEXSTAR 1.88M	0.18	LAA	12		
	D SELECT (2EC)	0.094	LAA	12		
	E»ACTIVATOR 90	0.125	PMV	12		
	F 28% UAN	2.50	PMV	12		
9A	PYTHON 80WG	0.05	LAA	9	87	99
	B»PENDIMAX 3.3L	1.24	LAA	9		
	C»FIRSTRATE 84WG	0.016	LAA	12		
	D SELECT (2EC)	0.094	LAA	12		
	E»ACTIVATOR 90	0.125	PMV	12		
	F 28% UAN	2.50	PMV	12		
10A	PROWL 3.3EC	1.24	LAA	9	95	99
	B»RAPTOR 1AS	0.031	LAA	12		
	C»ULTRA BLAZER	0.188	LAA	12		
	D»MSO	1.00	PMV	12		
	E 28% UAN	2.50	PMV	12		
11A	VALOR 51WDG	0.063	LAA	9	77	91
	B»PHOENIX 2EC	0.156	LAA	12		
	C SELECT (2EC)	0.125	LAA	12		
	D»ACTIVATOR 90	0.25	PMV	12		
	E 28% UAN	2.50	PMV	12		
12A	AUTHORITY	0.188	LAA	9	93	99
	B CLASSIC 25WG	0.008	LAA	12		
	C ASSURE II (0.8	0.034	LAA	12		
	D»ACTIVATOR 90	0.125	PMV	12		
13A	PURSUIT DG (70	0.063	LAA	9	94	99
	B»ULTRA BLAZER	0.25	LAA	12		
	C POAST + 1EC	0.20	LAA	12		
	D»COC	1.00	PMV	12		
14A	DUAL II MAGNUM	0.96	LAA	9	88	91
	B»FLEXSTAR 1.88M	0.235	LAA	12		
	C FUSION	0.167	LAA	12		
	D»COC	1.00	PMV	12		
15A	CHECK	0.00	NA	0	0	0

## DATA MEAN

TITLE: Weed Control Systems in Soybean AS-400

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	IPOHE	XANST
		RATE	UNIT		CON % 07/22/02	CON % 07/22/02
16A	»BOUNDARY 6.5EC	1.22	LAA	9	95	99
	B»FLEXSTAR 1.88M	0.294	LAA	12		
	C FUSION	0.167	LAA	12		
	D»MSO	1.00	PMV	12		
	E 28% UAN	2.50	PMV	12		
17A	»BOUNDARY 6.5EC	1.63	LAA	9	87	99
	B»FLEXSTAR 1.88M	0.294	LAA	12		
	C»MSO	1.00	PMV	12		
	D 28% UAN	2.50	PMV	12		
18A	»DOMAIN 60DF	0.375	LAA	9	93	99
	B»RAPTOR 1AS	0.031	LAA	12		
	C»MSO	1.00	PMV	12		
	D 28% UAN	2.50	PMV	12		
19A	»DOMAIN 60DF	0.375	LAA	9	75	98
	B SELECT (2EC)	0.094	LAA	12		
	C COBRA 2EC	0.094	LAA	12		
	D»COC	1.00	PMV	12		
	E 28% UAN	2.50	PMV	12		
20A	»FIRSTRATE 84WG	0.016	LAA	12	82	98
	B»FLEXSTAR 1.88M	0.18	LAA	12		
	C SELECT (2EC)	0.094	LAA	12		
	D»ACTIVATOR 90	0.125	PMV	12		
	E 28% UAN	2.50	PMV	12		
21A	»FIRSTRATE 84WG	0.016	LAA	12	80	93
	B»PHOENIX 2EC	0.125	LAA	12		
	C SELECT (2EC)	0.094	LAA	12		
	D»ACTIVATOR 90	0.125	PMV	12		
	E 28% UAN	2.50	PMV	12		
22A	»FLEXSTAR 1.88M	0.294	LAA	12	96	99
	B FUSION	0.21	LAA	12		
	C»MSO	1.00	PMV	12		
	D 28% UAN	2.50	PMV	12		
23A	SELECT (2EC)	0.094	LAA	12	75	93
	B COBRA 2EC	0.125	LAA	12		
	C»COC	1.00	PMV	12		
	D 28% UAN	2.50	PMV	12		
24A	»RAPTOR 1AS	0.039	LAA	12	82	95
	B»MSO	1.00	PMV	12		
	C 28% UAN	2.50	PMV	12		
25A	»RAPTOR 1AS	0.031	LAA	12	93	93
	B»ULTRA BLAZER	0.188	LAA	12		
	C»MSO	1.00	PMV	12		
	D 28% UAN	2.50	PMV	12		
26A	»PHOENIX 2EC	0.20	LAA	12	77	90
	B»FIRSTRATE 84WG	0.016	LAA	12		
	C SELECT (2EC)	0.125	LAA	12		
	D»ACTIVATOR 90	0.25	PMV	12		
27A	»PHOENIX 2EC	0.20	LAA	12	83	88
	B»FIRSTRATE 84WG	0.016	LAA	12		
	C SELECT (2EC)	0.125	LAA	12		
	D»ACTIVATOR 90	0.25	PMV	12		
	E»LIQUID AMS	3.67	PMV	12		
28A	»FLEXSTAR 1.88M	0.19	LAA	12	88	95
	B»FIRSTRATE 84WG	0.016	LAA	12		
	C SELECT (2EC)	0.125	LAA	12		
	D»COC	0.63	PMV	12		
	E»LIQUID AMS	3.67	PMV	12		

DATA MEAN

TITLE: Weed Control Systems in Soybean AS-400

TRT	TREATMENT	DOSAGE	IPOHE	XANST
NUM	COMPONENT	RATE	CON %	CON %
		UNIT	07/22/02	07/22/02
29A	PHOENIX 2EC	0.15	LAA 12	78
	B»FIRSTRATE 84WG	0.016	LAA 12	
	C»ACTIVATOR 90	0.25	PMV 12	
	D SELECT (2EC)	0.125	LAA 13	
	E»COC	1.25	PMV 13	
30A	PHOENIX 2EC	0.15	LAA 12	73
	B»FIRSTRATE 84WG	0.016	LAA 12	
	C»ACTIVATOR 90	0.25	PMV 12	
	D»LIQUID AMS	3.67	PMV 12	
	E SELECT (2EC)	0.125	LAA 13	
	F»COC	1.25	PMV 13	
31A	FIRSTRATE 84WG	0.016	LAA 12	83
	B»COC	0.63	PMV 12	
	C»LIQUID AMS	3.67	PMV 12	
	D SELECT (2EC)	0.125	LAA 13	
	E»COC	1.25	PMV 13	
32A	FLEXSTAR 1.88M	0.19	LAA 12	75
	B»FIRSTRATE 84WG	0.016	LAA 12	
	C»COC	0.63	PMV 12	
	D»LIQUID AMS	3.67	PMV 12	
	E SELECT (2EC)	0.125	LAA 13	
	F»COC	1.25	PMV 13	
		LSD (0.05)	12.08	8.35
		STANDARD DEVIATION	6.00	4.18

>> = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

- 00 = ----- / UNTREATED TIMING
- 09 = ----- / PREEMERGENCE 06/01/2002(1)
- 12 = ----- / POST 06/28/2002(2)
- 13 = ----- / LPOST 07/03/2002(3)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
01	GLXMA	CON %	06/18/2002	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
02	SETFA	CON %	06/18/2002	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
03	AMATA	CON %	06/18/2002	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
04	ABUTH	CON %	06/18/2002	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
05	CHEAL	CON %	06/18/2002	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
06	IPOHE	CON %	06/18/2002	06	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
07	GLXMA	CON %	07/11/2002	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
08	SETFA	CON %	07/11/2002	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
09	AMATA	CON %	07/11/2002	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
10	ABUTH	CON %	07/11/2002	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
11	CHEAL	CON %	07/11/2002	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
12	IPOHE	CON %	07/11/2002	06	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
13	XANST	CON %	07/11/2002	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
14	GLXMA	CON %	07/22/2002	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
15	SETFA	CON %	07/22/2002	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
16	AMATA	CON %	07/22/2002	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
17	ABUTH	CON %	07/22/2002	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
18	CHEAL	CON %	07/22/2002	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
19	IPOHE	CON %	07/22/2002	06	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
20	XANST	CON %	07/22/2002	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = FS 2906RR