

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.6
 %OM: 4.7
 PREV.CROP: ZEAMD - CORN, DENT
 %RESIDUE: 0
 PLOT WIDTH: 7.5 X 30 FEET
 PLOT AREA: 225 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	11	13	
TYPE	LIQMIX	LIQMIX	
APPLICATION DATE	06/20/11	07/15/11	AME
AIR TEMPERATURE	84	83	F
% REL.HUMIDITY	58	42	
WIND DIRECTION	EAST	EAST	
WIND SPEED	6.0	3.0	M/H
CLOUD COVER	CLOUDY	CLEAR	
DEW	NO	NO	
SOIL MOISTURE	MOIST/MOI	DRY/MOIST	
SOIL CONDITION	---	---	
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
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	---	---	
	DN/SG/MMZ		
*** CROP ***			
SOYBEAN	---/14	---/62	
A 3431RR	5.00/5.00	18.0/18.0	IN
05/23/2011			
*** PEST ***			
VELVETLEAF	---/13	---/00	
	1.00/4.00	/	IN
WATERHEMP, COMMO	---/19	---/19	
	1.00/5.00	1.00/8.00	IN
MORNINGGLORY, TA	---/14	---/16	
	1.00/3.00	1.00/4.00	IN
FOXTAIL, GIANT	---/14	---/12	
	1.00/6.00	1.00/3.00	IN
COCKLEBUR, COMMO	---/15	---/12	
	2.00/6.00	1.00/3.00	IN

* TIMING CODES

11 = ----- / EPOST
 13 = ----- / LPOST

* STAGE CODE

00 = DRY SEED; DORMANCY
 12 = 2 LEAVES UNFOLDED
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 14 = 4TH LEAF (2ND TRIFOLIATE LEAF) UNFOLDED, 3 NODES
 14 = 4 LEAVES UNFOLDED
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

* STAGE CODE

62 = 20% OF FLOWERS OPEN (DETERMINE)

TITLE: Cadet Combinations for Weed Control in Soybean. AS-100
CREATED: 04/26/2011 **REVISED:** 09/02/2011 **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 TREATMENT NUM COMPONENT	DOSAGE RATE UNIT	TM	GLXMA CON % 06/27/11	SETFA CON % 06/27/11	AMATA CON % 06/27/11	ABUTH CON % 06/27/11	PHBPU CON % 06/27/11	XANST CON % 06/27/11
1A»CADET 0.91EC	0.0043	LAA 11	6	99	99	99	96	99
B»RNDUP POWERMAX	0.77	LAA 11						
C»LIQUID AMS	2.50	PMV 11						
D»RNDUP POWERMAX	0.77	LAA 13						
E»LIQUID AMS	2.50	PMV 13						
2A FLEXSTAR 1.88	0.091	LAA 11	7	99	99	99	95	99
B»RNDUP POWERMAX	0.77	LAA 11						
C»LIQUID AMS	2.50	PMV 11						
D»RNDUP POWERMAX	0.77	LAA 13						
E»LIQUID AMS	2.50	PMV 13						
3A»CADET 0.91EC	0.0043	LAA 11	5	99	99	99	95	99
B»RNDUP POWERMAX	0.77	LAA 11						
C»LIQUID AMS	2.50	PMV 11						
D»CADET 0.91EC	0.0043	LAA 13						
E»RNDUP POWERMAX	0.77	LAA 13						
F»LIQUID AMS	2.50	PMV 13						
4A FLEXSTAR 1.88	0.235	LAA 11	16	99	99	99	97	99
B»RNDUP POWERMAX	0.77	LAA 11						
C»LIQUID AMS	2.50	PMV 11						
D»RNDUP POWERMAX	0.77	LAA 13						
E»LIQUID AMS	2.50	PMV 13						
5A»RNDUP POWERMAX	0.77	LAA 11	0	98	97	93	84	99
B»LIQUID AMS	2.50	PMV 11						
C FLEXSTAR 1.88	0.235	LAA 13						
D»RNDUP POWERMAX	0.77	LAA 13						
E»LIQUID AMS	2.50	PMV 13						
6A EXTREME 2.17SL	0.81	LAA 11	1	99	99	99	91	99
B»LIQUID AMS	2.50	PMV 11						
C»RNDUP POWERMAX	0.77	LAA 13						
D»LIQUID AMS	2.50	PMV 13						
7A»RNDUP POWERMAX	0.77	LAA 11	0	99	99	94	89	99
B»LIQUID AMS	2.50	PMV 11						
C»RNDUP POWERMAX	0.77	LAA 13						
D»LIQUID AMS	2.50	PMV 13						
8A CHECK	0.00	NA 0	0	0	0	0	0	0
9A FIRSTRATE 84WG	0.016	LAA 11	0	98	99	99	93	99
B»RNDUP POWERMAX	0.77	LAA 11						
C»LIQUID AMS	2.50	PMV 11						
D»RNDUP POWERMAX	0.77	LAA 13						
E»LIQUID AMS	2.50	PMV 13						
10A»FLEXSTAR GT 3.	1.24	LAA 11	6	99	99	99	96	99
B»LIQUID AMS	2.50	PMV 11						
C»TOUCHDN TOTAL	0.78	LAA 13						
D»LIQUID AMS	2.50	PMV 13						
LSD (0.05)			3.23	0.835	0.313	1.44	2.45	0.00
STANDARD DEVIATION			1.54	0.398	0.149	0.687	1.17	0.00

TITLE: Cadet Combinations for Weed Control in Soybean. AS-100
CREATED: 04/26/2011 **REVISED:** 09/02/2011 **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 TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	TM	GLXMA CON % 07/13/11	SETFA CON % 07/13/11	AMATA CON % 07/13/11	ABUTH CON % 07/13/11	PHBPU CON % 07/13/11	XANST CON % 07/13/11
1A»CADET 0.91EC	0.0043	LAA	11	1	99	93	99	86	99
B»RNDUP POWERMAX	0.77	LAA	11						
C»LIQUID AMS	2.50	PMV	11						
D»RNDUP POWERMAX	0.77	LAA	13						
E»LIQUID AMS	2.50	PMV	13						
2A FLEXSTAR 1.88	0.091	LAA	11	0	99	91	99	89	99
B»RNDUP POWERMAX	0.77	LAA	11						
C»LIQUID AMS	2.50	PMV	11						
D»RNDUP POWERMAX	0.77	LAA	13						
E»LIQUID AMS	2.50	PMV	13						
3A»CADET 0.91EC	0.0043	LAA	11	2	99	90	99	93	99
B»RNDUP POWERMAX	0.77	LAA	11						
C»LIQUID AMS	2.50	PMV	11						
D»CADET 0.91EC	0.0043	LAA	13						
E»RNDUP POWERMAX	0.77	LAA	13						
F»LIQUID AMS	2.50	PMV	13						
4A FLEXSTAR 1.88	0.235	LAA	11	6	99	95	99	95	99
B»RNDUP POWERMAX	0.77	LAA	11						
C»LIQUID AMS	2.50	PMV	11						
D»RNDUP POWERMAX	0.77	LAA	13						
E»LIQUID AMS	2.50	PMV	13						
5A»RNDUP POWERMAX	0.77	LAA	11	0	99	90	99	87	99
B»LIQUID AMS	2.50	PMV	11						
C FLEXSTAR 1.88	0.235	LAA	13						
D»RNDUP POWERMAX	0.77	LAA	13						
E»LIQUID AMS	2.50	PMV	13						
6A EXTREME 2.17SL	0.81	LAA	11	0	99	80	99	89	99
B»LIQUID AMS	2.50	PMV	11						
C»RNDUP POWERMAX	0.77	LAA	13						
D»LIQUID AMS	2.50	PMV	13						
7A»RNDUP POWERMAX	0.77	LAA	11	0	97	86	99	86	99
B»LIQUID AMS	2.50	PMV	11						
C»RNDUP POWERMAX	0.77	LAA	13						
D»LIQUID AMS	2.50	PMV	13						
8A CHECK	0.00	NA	0	0	0	0	0	0	0
9A FIRSTRATE 84WG	0.016	LAA	11	0	99	98	99	96	99
B»RNDUP POWERMAX	0.77	LAA	11						
C»LIQUID AMS	2.50	PMV	11						
D»RNDUP POWERMAX	0.77	LAA	13						
E»LIQUID AMS	2.50	PMV	13						
10A»FLEXSTAR GT 3.	1.24	LAA	11	0	99	96	99	94	99
B»LIQUID AMS	2.50	PMV	11						
C»TOUCHDN TOTAL	0.78	LAA	13						
D»LIQUID AMS	2.50	PMV	13						
LSD (0.05)				2.41	1.16	7.00	0.00	4.18	0.00
STANDARD DEVIATION				1.15	0.553	3.35	0.00	2.00	0.00

TITLE: Cadet Combinations for Weed Control in Soybean. AS-100
CREATED: 04/26/2011 **REVISED:** 09/02/2011 **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 TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	TM	GLXMA CON % 07/21/11	SETFA CON % 07/21/11	AMATA CON % 07/21/11	ABUTH CON % 07/21/11	PHBPU CON % 07/21/11	XANST CON % 07/21/11
1A»CADET 0.91EC	0.0043	LAA	11	0	99	99	99	92	99
B»RNDUP POWERMAX	0.77	LAA	11						
C»LIQUID AMS	2.50	PMV	11						
D»RNDUP POWERMAX	0.77	LAA	13						
E»LIQUID AMS	2.50	PMV	13						
2A FLEXSTAR 1.88	0.091	LAA	11	0	99	99	99	91	99
B»RNDUP POWERMAX	0.77	LAA	11						
C»LIQUID AMS	2.50	PMV	11						
D»RNDUP POWERMAX	0.77	LAA	13						
E»LIQUID AMS	2.50	PMV	13						
3A»CADET 0.91EC	0.0043	LAA	11	0	99	99	99	98	99
B»RNDUP POWERMAX	0.77	LAA	11						
C»LIQUID AMS	2.50	PMV	11						
D»CADET 0.91EC	0.0043	LAA	13						
E»RNDUP POWERMAX	0.77	LAA	13						
F»LIQUID AMS	2.50	PMV	13						
4A FLEXSTAR 1.88	0.235	LAA	11	3	99	99	99	97	99
B»RNDUP POWERMAX	0.77	LAA	11						
C»LIQUID AMS	2.50	PMV	11						
D»RNDUP POWERMAX	0.77	LAA	13						
E»LIQUID AMS	2.50	PMV	13						
5A»RNDUP POWERMAX	0.77	LAA	11	0	99	99	99	98	99
B»LIQUID AMS	2.50	PMV	11						
C FLEXSTAR 1.88	0.235	LAA	13						
D»RNDUP POWERMAX	0.77	LAA	13						
E»LIQUID AMS	2.50	PMV	13						
6A EXTREME 2.17SL	0.81	LAA	11	2	99	99	99	94	99
B»LIQUID AMS	2.50	PMV	11						
C»RNDUP POWERMAX	0.77	LAA	13						
D»LIQUID AMS	2.50	PMV	13						
7A»RNDUP POWERMAX	0.77	LAA	11	0	99	99	99	93	99
B»LIQUID AMS	2.50	PMV	11						
C»RNDUP POWERMAX	0.77	LAA	13						
D»LIQUID AMS	2.50	PMV	13						
8A CHECK	0.00	NA	0	0	0	0	0	0	0
9A FIRSTRATE 84WG	0.016	LAA	11	0	99	99	99	97	99
B»RNDUP POWERMAX	0.77	LAA	11						
C»LIQUID AMS	2.50	PMV	11						
D»RNDUP POWERMAX	0.77	LAA	13						
E»LIQUID AMS	2.50	PMV	13						
10A»FLEXSTAR GT 3.	1.24	LAA	11	2	99	99	99	95	99
B»LIQUID AMS	2.50	PMV	11						
C»TOUCHDN TOTAL	0.78	LAA	13						
D»LIQUID AMS	2.50	PMV	13						
LSD (0.05)				1.33	0.00	0.00	0.00	2.26	0.00
STANDARD DEVIATION				0.634	0.00	0.00	0.00	1.08	0.00

TITLE: Cadet Combinations for Weed Control in Soybean. AS-100
CREATED: 04/26/2011 **REVISED:** 09/02/2011 **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	TREATMENT	DOSAGE	GLXMA	SETFA	AMATA	ABUTH	PHBPU	XANST
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %
					08/06/11	08/06/11	08/06/11	08/06/11
1A»	CADET 0.91EC	0.0043	LAA	11	0	99	99	99
B»	RNDUP POWERMAX	0.77	LAA	11				88
C»	LIQUID AMS	2.50	PMV	11				99
D»	RNDUP POWERMAX	0.77	LAA	13				
E»	LIQUID AMS	2.50	PMV	13				
2A	FLEXSTAR 1.88	0.091	LAA	11	0	99	99	94
B»	RNDUP POWERMAX	0.77	LAA	11				99
C»	LIQUID AMS	2.50	PMV	11				
D»	RNDUP POWERMAX	0.77	LAA	13				
E»	LIQUID AMS	2.50	PMV	13				
3A»	CADET 0.91EC	0.0043	LAA	11	0	99	99	96
B»	RNDUP POWERMAX	0.77	LAA	11				99
C»	LIQUID AMS	2.50	PMV	11				
D»	CADET 0.91EC	0.0043	LAA	13				
E»	RNDUP POWERMAX	0.77	LAA	13				
F»	LIQUID AMS	2.50	PMV	13				
4A	FLEXSTAR 1.88	0.235	LAA	11	1	99	99	94
B»	RNDUP POWERMAX	0.77	LAA	11				99
C»	LIQUID AMS	2.50	PMV	11				
D»	RNDUP POWERMAX	0.77	LAA	13				
E»	LIQUID AMS	2.50	PMV	13				
5A»	RNDUP POWERMAX	0.77	LAA	11	0	99	99	96
B»	LIQUID AMS	2.50	PMV	11				99
C	FLEXSTAR 1.88	0.235	LAA	13				
D»	RNDUP POWERMAX	0.77	LAA	13				
E»	LIQUID AMS	2.50	PMV	13				
6A	EXTREME 2.17SL	0.81	LAA	11	0	99	99	96
B»	LIQUID AMS	2.50	PMV	11				99
C»	RNDUP POWERMAX	0.77	LAA	13				
D»	LIQUID AMS	2.50	PMV	13				
7A»	RNDUP POWERMAX	0.77	LAA	11	0	99	99	86
B»	LIQUID AMS	2.50	PMV	11				99
C»	RNDUP POWERMAX	0.77	LAA	13				
D»	LIQUID AMS	2.50	PMV	13				
8A	CHECK	0.00	NA	0	0	0	0	0
9A	FIRSTRATE 84WG	0.016	LAA	11	0	99	99	98
B»	RNDUP POWERMAX	0.77	LAA	11				99
C»	LIQUID AMS	2.50	PMV	11				
D»	RNDUP POWERMAX	0.77	LAA	13				
E»	LIQUID AMS	2.50	PMV	13				
10A»	FLEXSTAR GT 3.	1.24	LAA	11	0	99	99	95
B»	LIQUID AMS	2.50	PMV	11				99
C»	TOUCHDN TOTAL	0.78	LAA	13				
D»	LIQUID AMS	2.50	PMV	13				
LSD (0.05)					0.94	0.00	0.00	3.63
STANDARD DEVIATION					0.447	0.00	0.00	1.73

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING

11 = ----- / EPOST 06/20/2011(1)

13 = ----- / LPOST 07/15/2011(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 %	06/27/2011	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TITLE: Cadet Combinations for Weed Control in Soybean. AS-100

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
002	SETFA	CON %	06/27/2011	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMATA	CON %	06/27/2011	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ABUTH	CON %	06/27/2011	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	PHBPU	CON %	06/27/2011	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	XANST	CON %	06/27/2011	06	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	GLXMA	CON %	07/13/2011	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	07/13/2011	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	AMATA	CON %	07/13/2011	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	ABUTH	CON %	07/13/2011	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	PHBPU	CON %	07/13/2011	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	XANST	CON %	07/13/2011	06	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	GLXMA	CON %	07/21/2011	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	SETFA	CON %	07/21/2011	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	AMATA	CON %	07/21/2011	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	ABUTH	CON %	07/21/2011	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	PHBPU	CON %	07/21/2011	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	XANST	CON %	07/21/2011	06	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	GLXMA	CON %	08/06/2011	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	SETFA	CON %	08/06/2011	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	AMATA	CON %	08/06/2011	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
022	ABUTH	CON %	08/06/2011	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
023	PHBPU	CON %	08/06/2011	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
024	XANST	CON %	08/06/2011	06	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = A 3431RR