

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
PH: 6.6
%OM: 4.7
PREV. CROP: GLXMA - SOYBEAN
%RESIDUE: 0
PLOT WIDTH: 7.5 X 30 FEET

DESIGN: RCB
REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	09	12	
TYPE	LIQMIX	LIQMIX	
APPLICATION DATE	04/27/06	05/31/06	AME
AIR TEMPERATURE	73	83	F
% REL. HUMIDITY	21	70	
WIND DIRECTION	NORTHWEST	WEST	
WIND SPEED	9.0	3.0	M/H
CLOUD COVER	CLEAR	PARTCLDY	
DEW	NO	NO	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	
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
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			
*** CROP ***			
CORN, DENT		---/14	
PIONEER 33N11		10.0/10.0	IN
04/26/2006			
*** PEST ***			
VELVETLEAF		---/13	
		1.00/4.00	IN
WATERHEMP, COMMO		---/19	
		1.00/3.00	IN
LAMBSQUARTERS, C		---/19	
		1.00/3.00	IN
MORNINGGLORY, TA		---/15	
		1.00/3.00	IN
FOXTAIL, GIANT		---/14	
		2.00/6.00	IN

* TIMING CODES

09 = ----- / PREEMERGENCE
12 = ----- / POST

* STAGE CODE

13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4 LEAVES UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: KIH-485 Preemergence Weed Control Evaluation in Conventional Corn. AS-100
CREATED: 04/18/2006 **REVISED:** 07/26/2006 **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		TM	ZEAMD	ZEAMD	SETFA	CHEAL	AMATA	ABUTH
		RATE	UNIT		CON % 05/15/06	CON % 05/30/06	CON % 05/30/06	CON % 05/30/06	CON % 05/30/06	CON % 05/30/06
1A»	KIH-485 85WG	0.15	LAA	9	0	0	86	73	80	33
2A»	KIH-485 85WG	0.19	LAA	9	0	0	89	72	85	42
3A»	KIH-485 85WG	0.22	LAA	9	0	0	93	75	83	50
4A»	KIH-485 85WG	0.37	LAA	9	0	0	98	84	93	70
5A»	DUAL II MAGNUM	1.59	LAA	9	0	0	93	38	73	0
6A	HARNESS (7EC)	1.55	LAA	9	0	0	99	96	97	40
7A	HARNESS (7EC)	2.00	LAA	9	0	0	99	98	98	50
8A»	KIH-485 85WG	0.19	LAA	9	0	0	98	94	98	96
	B ATRAZINE DF	1.00	LAA	9						
9A	CHECK	0.00	NA	0	0	0	0	0	0	0
10A»	KIH-485 85WG	0.11	LAA	12	0	0				
	B STEADFAST 75WG	0.035	LAA	12						
	C CALLISTO 4SC	0.047	LAA	12						
	D ATRAZINE DF	0.50	LAA	12						
	E»COC	1.00	PMV	12						
	F 28% UAN	2.50	PMV	12						
11A»	LEXAR 3.7L	3.24	LAA	9	0	0	97	98	98	99
12A»	KIH-485 85WG	0.11	LAA	12	0	0				
	B»IMPACT 2.8SC	0.016	LAA	12						
	C ATRAZINE DF	0.50	LAA	12						
	D»MSO	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
		LSD (0.05)			0.00	0.00	4.19	7.93	10.00	11.58
		STANDARD DEVIATION			0.00	0.00	2.00	3.77	4.75	5.51

TITLE: KIH-485 Preemergence Weed Control Evaluation in Conventional Corn. AS-100
CREATED: 04/18/2006 **REVISED:** 07/26/2006 **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		TM	PHBPU	ZEAMD	SETFA	CHEAL	AMATA	ABUTH
		RATE	UNIT		CON % 05/30/06	CON % 06/12/06	CON % 06/12/06	CON % 06/12/06	CON % 06/12/06	CON % 06/12/06
1A»	KIH-485 85WG	0.15	LAA	9	32	0				
2A»	KIH-485 85WG	0.19	LAA	9	43	0				
3A»	KIH-485 85WG	0.22	LAA	9	47	0				
4A»	KIH-485 85WG	0.37	LAA	9	65	0				
5A»	DUAL II MAGNUM	1.59	LAA	9	0	0				
6A	HARNES (7EC)	1.55	LAA	9	30	0				
7A	HARNES (7EC)	2.00	LAA	9	47	0				
8A»	KIH-485 85WG	0.19	LAA	9	84	0				
	B ATRAZINE DF	1.00	LAA	9						
9A	CHECK	0.00	NA	0	0	0				
10A»	KIH-485 85WG	0.11	LAA	12		5	93	99	99	98
	B STEADFAST 75WG	0.035	LAA	12						
	C CALLISTO 4SC	0.047	LAA	12						
	D ATRAZINE DF	0.50	LAA	12						
	E»COC	1.00	PMV	12						
	F 28% UAN	2.50	PMV	12						
11A»	LEXAR 3.7L	3.24	LAA	9	88	0				
12A»	KIH-485 85WG	0.11	LAA	12		4	98	99	99	98
	B»IMPACT 2.8SC	0.016	LAA	12						
	C ATRAZINE DF	0.50	LAA	12						
	D»MSO	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
		LSD (0.05)			10.34	1.09	9.00	0.00	0.00	2.87
		STANDARD DEVIATION			4.92	0.525	2.08	0.00	0.00	0.667

TITLE: KIH-485 Preemergence Weed Control Evaluation in Conventional Corn. AS-100
CREATED: 04/18/2006 **REVISED:** 07/26/2006 **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		TM	PHBPU	ZEAMD	SETFA	CHEAL	AMATA	ABUTH
		RATE	UNIT		CON % 06/12/06	CON % 06/28/06	CON % 06/28/06	CON % 06/28/06	CON % 06/28/06	CON % 06/28/06
1A»	KIH-485 85WG	0.15	LAA	9		0	85	53	62	0
2A»	KIH-485 85WG	0.19	LAA	9		0	88	57	63	0
3A»	KIH-485 85WG	0.22	LAA	9		0	94	58	72	0
4A»	KIH-485 85WG	0.37	LAA	9		0	97	67	82	37
5A»	DUAL II MAGNUM	1.59	LAA	9		0	88	0	40	0
6A	HARNESS (7EC)	1.55	LAA	9		0	94	83	90	0
7A	HARNESS (7EC)	2.00	LAA	9		0	96	80	85	0
8A»	KIH-485 85WG	0.19	LAA	9		0	94	83	92	58
	B ATRAZINE DF	1.00	LAA	9						
9A	CHECK	0.00	NA	0		0	0	0	0	0
10A»	KIH-485 85WG	0.11	LAA	12	94	5	89	99	99	99
	B STEADFAST 75WG	0.035	LAA	12						
	C CALLISTO 4SC	0.047	LAA	12						
	D ATRAZINE DF	0.50	LAA	12						
	E»COC	1.00	PMV	12						
	F 28% UAN	2.50	PMV	12						
11A»	LEXAR 3.7L	3.24	LAA	9		0	92	87	92	99
12A»	KIH-485 85WG	0.11	LAA	12	94	0	97	99	99	99
	B»IMPACT 2.8SC	0.016	LAA	12						
	C ATRAZINE DF	0.50	LAA	12						
	D»MSO	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
		LSD (0.05)			5.00	1.23	2.54	11.11	10.12	4.72
		STANDARD DEVIATION			1.15	0.593	1.22	5.36	4.88	2.28

TITLE: KIH-485 Preemergence Weed Control Evaluation in Conventional Corn. AS-100
 CREATED: 04/18/2006 REVISED: 07/26/2006 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	TREATMENT	DOSAGE	PHBPU		
NUM	COMPONENT	RATE	UNIT	TM	CON %
					06/28/06
1A	KIH-485 85WG	0.15	LAA	9	0
2A	KIH-485 85WG	0.19	LAA	9	0
3A	KIH-485 85WG	0.22	LAA	9	0
4A	KIH-485 85WG	0.37	LAA	9	43
5A	DUAL II MAGNUM	1.59	LAA	9	0
6A	HARNESS (7EC)	1.55	LAA	9	0
7A	HARNESS (7EC)	2.00	LAA	9	0
8A	KIH-485 85WG	0.19	LAA	9	70
B	ATRAZINE DF	1.00	LAA	9	
9A	CHECK	0.00	NA	0	0
10A	KIH-485 85WG	0.11	LAA	12	94
B	STEADFAST 75WG	0.035	LAA	12	
C	CALLISTO 4SC	0.047	LAA	12	
D	ATRAZINE DF	0.50	LAA	12	
E	COC	1.00	PMV	12	
F	28% UAN	2.50	PMV	12	
11A	LEXAR 3.7L	3.24	LAA	9	73
12A	KIH-485 85WG	0.11	LAA	12	92
B	IMPACT 2.8SC	0.016	LAA	12	
C	ATRAZINE DF	0.50	LAA	12	
D	MSO	1.00	PMV	12	
E	28% UAN	2.50	PMV	12	
LSD (0.05)					8.72
STANDARD DEVIATION					4.21

>> = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 04/27/2006(1)
 12 = ----- / POST 05/31/2006(2)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	ZEAMD	CON %	05/15/2006	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	ZEAMD	CON %	05/30/2006	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	SETFA	CON %	05/30/2006	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL	CON %	05/30/2006	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	AMATA	CON %	05/30/2006	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ABUTH	CON %	05/30/2006	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	PHBPU	CON %	05/30/2006	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ZEAMD	CON %	06/12/2006	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	SETFA	CON %	06/12/2006	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	06/12/2006	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	AMATA	CON %	06/12/2006	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	ABUTH	CON %	06/12/2006	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	PHBPU	CON %	06/12/2006	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	ZEAMD	CON %	06/28/2006	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	SETFA	CON %	06/28/2006	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	CHEAL	CON %	06/28/2006	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	AMATA	CON %	06/28/2006	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	ABUTH	CON %	06/28/2006	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	PHBPU	CON %	06/28/2006	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 33N11