

(01-ACS-6)

Evaluation of Balance Pro, Define, Liberty, and AE F 130360 for weed management in Liberty Link corn, Ames, Iowa, 2001. Owen, Micheal D.K., James F. Lux, and Damian D. Franzenburg. The purpose of this study was to evaluate isoxaflutole and an experimental ALS inhibitor herbicide for weed efficacy and crop phytotoxicity in a glufosinate resistant corn hybrid. The soil was a Canisteo, Nicollet, Clarion Webster clay loam with a pH 6.8 and 4.3% organic matter. The experimental design was a randomized complete block with three replications and plots were 10 by 25 ft. The 2000 crop was soybean. Tillage included a spring field cultivation. Fertilization included 124 lb/A applied as urea. Crop residue on the soil surface was 7% at planting. "Pioneer hybrid 33P69 LL" corn was planted 1.25 inches deep on May 9, at 30,200 seeds/A in 30-inch rows. May rainfall included: 0.18, 0.39, 0.83, 0.12, 0.15, 0.22, 0.07, 0.98, 0.26, 1.58, 0.05, 0.15, 0.03, 0.27, 0.20, 0.02, 0.13 and 0.64 inches on May 1, 2, 3, 4, 5, 6, 9, 10, 13, 20, 21, 23, 24, 25, 26, 27, 28 and 31, respectively. Total rainfall for May was 6.27 inches. June rainfall included: 0.07, 0.02, 0.30, 0.14, 0.59, 0.38, 0.16 and 0.01 inches on June 1, 4, 5, 10, 12, 14, 16 and 20, respectively. Total rainfall for June was 1.67 inches. July rainfall included: 0.44 inches and 1.24 inches from July 1 through 15 and 16 through 31, respectively. Rainfall total for August was 2.50 inches. Application information is listed below:

Date	May 12	June 11	June 16
Treatment	PRE	EPOST	POST
Sprayer			
gpa	20	20	20
psi	25	30	30
nozzle	11002	11002	11002
Temperature (C)			
air	21	35	28
soil (4 inch)	20	27	22
Soil moisture	wet	dry	dry
Wind (mph)	5 SW	8-12 SW	5-10 NW
Sky	clear	pt. cloudy	clear
Relative humidity (%)	41%	63%	58%
Corn growth			
leaf no.	-	V4	V5-V6
height (inch)	-	4-7	8-12
Giant foxtail			
leaf no.	-	2	2-4, 0-3 tillers
height (inch)	-	0.5-1.5	1-4
infestation (ft ²)	-	0-1	0-4
Common lambsquarters			
leaf no.	-	numerous	numerous
height (inch)	-	1-6	1-5
infestation (ft ²)	-	1-2	0-1
Common waterhemp			
leaf no.	-	numerous	numerous
height (inch)	-	0.5-4	0.5-3
infestation (ft ²)	-	0-1	0-1
Velvetleaf			
leaf no.	-	2-4	cotyl-5
height (inch)	-	1-3	0.25-3
infestation (ft ²)	-	0-1	0-1

No significant differences in corn stand between treatments were determined. No PRE applied treatment caused corn injury when observed on May 29, prior to postemergence applications. Giant foxtail control observed on June 13 was 65 and 75% for PRE applied Balance Pro at 0.031 and 0.047 lb/A, respectively. Common waterhemp, velvetleaf, and common lambsquarters control was good to excellent. Control of grass and broadleaves was excellent for all other PRE treatments. On June 25, 3 to 8% corn injury was observed from EPOST and POST treatments containing AE F 130360 70 WDG and AE F 130360 61 WDG. No other treatments caused injury. Giant foxtail control ranged from 83 to 88% for EPOST AE F 130360 70 WDG and AE F130360 61 WDG when observed on June 25 and July 13. Control with these treatments was 77 and 73% on August 20, respectively. All other weeds evaluated for these treatments, and overall weed control for all remaining treatments was excellent on August 20. The corn yield for the untreated control was significantly lower than other treatments. EPOST AE F 130360 61 WDG plus Define plus Atrazine yielded significantly less than several treatments. This, however, was attributed to corresponding lower corn stands due to field conditions rather than treatment effects. (Dept. of Agronomy, Iowa State University, Ames)

DATA MEAN

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CREATED: 06/05/2001 **REVISED:** 12/10/2001

COMPLETED: N

PROJECT TYPE: HERBICIDE

LOCATION: AMES, IA

RESEARCHED BY: IA State University

DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN

PLOT SIZE: 10.00 FT **WIDE X** 25.00 FT **LONG**

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	ZEAMD	ZEAMD	SETFA	ABUTH
		RATE	UNIT	TM	17.5 FT 07/19/01	PHY % 05/29/01	PHY % 06/13/01	CON % 06/13/01	CON % 06/13/01
1A	UNTREATED CHECK	0.00	NA	0	25	0	0	0	0
2A	BALANCE PRO (4SC)	0.031	LAA	1	26	0	0	65	96
	B»LIBERTY (1.67SL)	0.365	LAA	3					
	C ATRAZINE 90DF (WG)	0.90	LAA	3					
	D»AMMONIUM SULFATE	3.00	LMA	3					
3A	BALANCE PRO (4SC)	0.047	LAA	1	27	0	0	75	96
	B»LIBERTY (1.67SL)	0.365	LAA	3					
	C ATRAZINE 90DF (WG)	0.90	LAA	3					
	D»AMMONIUM SULFATE	3.00	LMA	3					
4A	BALANCE PRO (4SC)	0.07	LAA	1	24	0	0	90	99
	B»LIBERTY (1.67SL)	0.365	LAA	3					
	C ATRAZINE 90DF (WG)	0.90	LAA	3					
	D»AMMONIUM SULFATE	3.00	LMA	3					
5A	BALANCE PRO (4SC)	0.059	LAA	1	25	0	0	99	99
	B ATRAZINE 90DF (WG)	0.675	LAA	1					
	C»AE F 130360 (70WDG)	0.066	LAA	3					
	D»CROP OIL CONCENTRATE	1.00	QMA	3					
	E»28%N	1.00	QMA	3					
6A	DEFINE (60DF)	0.375	LAA	1	26	0	0	98	93
	B ATRAZINE 90DF (WG)	0.90	LAA	1					
	C»AE F 130360 (61WDG)	0.067	LAA	3					
	D»CROP OIL CONCENTRATE	1.00	QMA	3					
	E»28%N	1.00	QMA	3					
7A	BALANCE PRO (4SC)	0.047	LAA	1	25	0	0	99	99
	B»DEFINE (60DF)	0.60	LAA	1					
	C ATRAZINE 90DF (WG)	1.35	LAA	1					
8A	BALANCE PRO (4SC)	0.07	LAA	1	26	0	0	99	99
	B»DEFINE (60DF)	0.45	LAA	1					
	C ATRAZINE 90DF (WG)	1.35	LAA	1					
9A	BALANCE PRO (4SC)	0.094	LAA	1	25	0	0	99	99
	B»DEFINE (60DF)	0.30	LAA	1					
	C ATRAZINE 90DF (WG)	1.35	LAA	1					
10A	LIBERTY (1.67SL)	0.365	LAA	2	22	0	0	0	0
	B ATRAZINE 90DF (WG)	0.90	LAA	2					
	C»AMMONIUM SULFATE	3.00	LMA	2					
11A	LIBERTY (1.67SL)	0.365	LAA	2	26	0	0	0	0
	B»DEFINE (60DF)	0.225	LAA	2					
	C ATRAZINE 90DF (WG)	0.90	LAA	2					
	D»AMMONIUM SULFATE	3.00	LMA	2					
12A	LIBERTY (1.67SL)	0.365	LAA	2	24	0	0	0	0
	B»DEFINE (60DF)	0.338	LAA	2					
	C ATRAZINE 90DF (WG)	0.90	LAA	2					
	D»AMMONIUM SULFATE	3.00	LMA	2					
13A	LIBERTY (1.67SL)	0.365	LAA	2	26	0	0	0	0
	B»DEFINE (60DF)	0.45	LAA	2					
	C ATRAZINE 90DF (WG)	0.90	LAA	2					
	D»AMMONIUM SULFATE	3.00	LMA	2					
14A	AE F 130360 (61WDG)	0.067	LAA	2	23	0	0	0	0
	B»DEFINE (60DF)	0.30	LAA	2					
	C ATRAZINE 90DF (WG)	0.90	LAA	2					
	D»CROP OIL CONCENTRATE	1.00	QMA	2					
	E»28%N	1.00	QMA	2					

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TRT TREATMENT NUM COMPONENT	DOSAGE		TM	ZEAMD	ZEAMD	ZEAMD	SETFA	ABUTH
	RATE	UNIT		17.5 FT 07/19/01	PHY % 05/29/01	PHY % 06/13/01	CON % 06/13/01	CON % 06/13/01
15A»AE F 130360 (70WDG)	0.066	LAA	2	27	0	0	0	0
B»DEFINE (60DF)	0.30	LAA	2					
C ATRAZINE 90DF (WG)	0.90	LAA	2					
D»CROP OIL CONCENTRATE	1.00	QMA	2					
E»28%N	1.00	QMA	2					
LSD (0.05)				4.42	0.00	0.00	9.13	3.67

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REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			AMATA	CHEAL	ZEAMD	SETFA	ABUTH
		RATE	UNIT	TM	CON % 06/13/01	CON % 06/13/01	PHY % 06/25/01	CON % 06/25/01	CON % 06/25/01
1A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0
2A	BALANCE PRO (4SC)	0.031	LAA	1	95	83	0	99	99
	B»LIBERTY (1.67SL)	0.365	LAA	3					
	C ATRAZINE 90DF (WG)	0.90	LAA	3					
	D»AMMONIUM SULFATE	3.00	LMA	3					
3A	BALANCE PRO (4SC)	0.047	LAA	1	99	91	2	99	99
	B»LIBERTY (1.67SL)	0.365	LAA	3					
	C ATRAZINE 90DF (WG)	0.90	LAA	3					
	D»AMMONIUM SULFATE	3.00	LMA	3					
4A	BALANCE PRO (4SC)	0.07	LAA	1	99	99	0	99	99
	B»LIBERTY (1.67SL)	0.365	LAA	3					
	C ATRAZINE 90DF (WG)	0.90	LAA	3					
	D»AMMONIUM SULFATE	3.00	LMA	3					
5A	BALANCE PRO (4SC)	0.059	LAA	1	99	99	7	99	99
	B ATRAZINE 90DF (WG)	0.675	LAA	1					
	C»AE F 130360 (70WDG)	0.066	LAA	3					
	D»CROP OIL CONCENTRATE	1.00	QMA	3					
	E»28%N	1.00	QMA	3					
6A	DEFINE (60DF)	0.375	LAA	1	99	99	8	99	99
	B ATRAZINE 90DF (WG)	0.90	LAA	1					
	C»AE F 130360 (61WDG)	0.067	LAA	3					
	D»CROP OIL CONCENTRATE	1.00	QMA	3					
	E»28%N	1.00	QMA	3					
7A	BALANCE PRO (4SC)	0.047	LAA	1	99	99	0	99	99
	B»DEFINE (60DF)	0.60	LAA	1					
	C ATRAZINE 90DF (WG)	1.35	LAA	1					
8A	BALANCE PRO (4SC)	0.07	LAA	1	99	99	0	99	99
	B»DEFINE (60DF)	0.45	LAA	1					
	C ATRAZINE 90DF (WG)	1.35	LAA	1					
9A	BALANCE PRO (4SC)	0.094	LAA	1	99	99	2	99	99
	B»DEFINE (60DF)	0.30	LAA	1					
	C ATRAZINE 90DF (WG)	1.35	LAA	1					
10A	LIBERTY (1.67SL)	0.365	LAA	2	0	0	0	99	99
	B ATRAZINE 90DF (WG)	0.90	LAA	2					
	C»AMMONIUM SULFATE	3.00	LMA	2					
11A	LIBERTY (1.67SL)	0.365	LAA	2	0	0	0	99	99
	B»DEFINE (60DF)	0.225	LAA	2					
	C ATRAZINE 90DF (WG)	0.90	LAA	2					
	D»AMMONIUM SULFATE	3.00	LMA	2					
12A	LIBERTY (1.67SL)	0.365	LAA	2	0	0	0	99	99
	B»DEFINE (60DF)	0.338	LAA	2					
	C ATRAZINE 90DF (WG)	0.90	LAA	2					
	D»AMMONIUM SULFATE	3.00	LMA	2					
13A	LIBERTY (1.67SL)	0.365	LAA	2	0	0	0	99	99
	B»DEFINE (60DF)	0.45	LAA	2					
	C ATRAZINE 90DF (WG)	0.90	LAA	2					
	D»AMMONIUM SULFATE	3.00	LMA	2					
14A	AE F 130360 (61WDG)	0.067	LAA	2	0	0	3	87	96
	B»DEFINE (60DF)	0.30	LAA	2					
	C ATRAZINE 90DF (WG)	0.90	LAA	2					
	D»CROP OIL CONCENTRATE	1.00	QMA	2					
	E»28%N	1.00	QMA	2					

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TRT TREATMENT NUM COMPONENT	DOSAGE			AMATA CON %	CHEAL CON %	ZEAMD PHY %	SETFA CON %	ABUTH CON %
	RATE	UNIT	TM	06/13/01	06/13/01	06/25/01	06/25/01	06/25/01
15A»AE F 130360 (70WDG)	0.066	LAA	2	0	0	5	88	94
B»DEFINE (60DF)	0.30	LAA	2					
C ATRAZINE 90DF (WG)	0.90	LAA	2					
D»CROP OIL CONCENTRATE	1.00	QMA	2					
E»28%N	1.00	QMA	2					
	LSD (0.05)			2.00	6.36	2.87	4.00	4.22

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TRT NUM	TREATMENT COMPONENT	DOSAGE			AMATA	CHEAL	ZEAMD	SETFA	ABUTH
		RATE	UNIT	TM	CON % 06/25/01	CON % 06/25/01	PHY % 07/13/01	CON % 07/13/01	CON % 07/13/01
1A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0
2A	BALANCE PRO (4SC)	0.031	LAA	1	99	99	0	96	99
	B»LIBERTY (1.67SL)	0.365	LAA	3					
	C ATRAZINE 90DF (WG)	0.90	LAA	3					
	D»AMMONIUM SULFATE	3.00	LMA	3					
3A	BALANCE PRO (4SC)	0.047	LAA	1	99	99	0	95	99
	B»LIBERTY (1.67SL)	0.365	LAA	3					
	C ATRAZINE 90DF (WG)	0.90	LAA	3					
	D»AMMONIUM SULFATE	3.00	LMA	3					
4A	BALANCE PRO (4SC)	0.07	LAA	1	99	99	0	98	99
	B»LIBERTY (1.67SL)	0.365	LAA	3					
	C ATRAZINE 90DF (WG)	0.90	LAA	3					
	D»AMMONIUM SULFATE	3.00	LMA	3					
5A	BALANCE PRO (4SC)	0.059	LAA	1	99	99	0	96	99
	B ATRAZINE 90DF (WG)	0.675	LAA	1					
	C»AE F 130360 (70WDG)	0.066	LAA	3					
	D»CROP OIL CONCENTRATE	1.00	QMA	3					
	E»28%N	1.00	QMA	3					
6A	DEFINE (60DF)	0.375	LAA	1	99	99	0	98	99
	B ATRAZINE 90DF (WG)	0.90	LAA	1					
	C»AE F 130360 (61WDG)	0.067	LAA	3					
	D»CROP OIL CONCENTRATE	1.00	QMA	3					
	E»28%N	1.00	QMA	3					
7A	BALANCE PRO (4SC)	0.047	LAA	1	99	99	0	99	99
	B»DEFINE (60DF)	0.60	LAA	1					
	C ATRAZINE 90DF (WG)	1.35	LAA	1					
8A	BALANCE PRO (4SC)	0.07	LAA	1	99	99	0	98	99
	B»DEFINE (60DF)	0.45	LAA	1					
	C ATRAZINE 90DF (WG)	1.35	LAA	1					
9A	BALANCE PRO (4SC)	0.094	LAA	1	99	99	0	98	99
	B»DEFINE (60DF)	0.30	LAA	1					
	C ATRAZINE 90DF (WG)	1.35	LAA	1					
10A	LIBERTY (1.67SL)	0.365	LAA	2	99	99	0	95	99
	B ATRAZINE 90DF (WG)	0.90	LAA	2					
	C»AMMONIUM SULFATE	3.00	LMA	2					
11A	LIBERTY (1.67SL)	0.365	LAA	2	99	99	0	98	99
	B»DEFINE (60DF)	0.225	LAA	2					
	C ATRAZINE 90DF (WG)	0.90	LAA	2					
	D»AMMONIUM SULFATE	3.00	LMA	2					
12A	LIBERTY (1.67SL)	0.365	LAA	2	99	99	0	99	99
	B»DEFINE (60DF)	0.338	LAA	2					
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	D»AMMONIUM SULFATE	3.00	LMA	2					
13A	LIBERTY (1.67SL)	0.365	LAA	2	99	99	0	99	99
	B»DEFINE (60DF)	0.45	LAA	2					
	C ATRAZINE 90DF (WG)	0.90	LAA	2					
	D»AMMONIUM SULFATE	3.00	LMA	2					
14A	AE F 130360 (61WDG)	0.067	LAA	2	95	99	0	83	95
	B»DEFINE (60DF)	0.30	LAA	2					
	C ATRAZINE 90DF (WG)	0.90	LAA	2					
	D»CROP OIL CONCENTRATE	1.00	QMA	2					
	E»28%N	1.00	QMA	2					

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TRT TREATMENT NUM COMPONENT	DOSAGE			AMATA	CHEAL	ZEAMD	SETFA	ABUTH
	RATE	UNIT	TM	CON % 06/25/01	CON % 06/25/01	PHY % 07/13/01	CON % 07/13/01	CON % 07/13/01
15A»AE F 130360 (70WDG)	0.066	LAA	2	96	98	0	85	88
B»DEFINE (60DF)	0.30	LAA	2					
C ATRAZINE 90DF (WG)	0.90	LAA	2					
D»CROP OIL CONCENTRATE	1.00	QMA	2					
E»28%N	1.00	QMA	2					
LSD (0.05)				2.87	1.00	0.00	7.32	4.77

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TRT NUM	TREATMENT COMPONENT	DOSAGE			AMATA	CHEAL	SETFA	ABUTH	AMATA
		RATE	UNIT	TM	CON % 07/13/01	CON % 07/13/01	CON % 08/20/01	CON % 08/20/01	CON % 08/20/01
1A	UNTREATED CHECK	0.00	NA	0	0	0	0	0	0
2A	BALANCE PRO (4SC)	0.031	LAA	1	99	99	92	99	99
	B»LIBERTY (1.67SL)	0.365	LAA	3					
	C ATRAZINE 90DF (WG)	0.90	LAA	3					
	D»AMMONIUM SULFATE	3.00	LMA	3					
3A	BALANCE PRO (4SC)	0.047	LAA	1	99	99	88	99	99
	B»LIBERTY (1.67SL)	0.365	LAA	3					
	C ATRAZINE 90DF (WG)	0.90	LAA	3					
	D»AMMONIUM SULFATE	3.00	LMA	3					
4A	BALANCE PRO (4SC)	0.07	LAA	1	99	99	95	99	99
	B»LIBERTY (1.67SL)	0.365	LAA	3					
	C ATRAZINE 90DF (WG)	0.90	LAA	3					
	D»AMMONIUM SULFATE	3.00	LMA	3					
5A	BALANCE PRO (4SC)	0.059	LAA	1	99	99	93	99	99
	B ATRAZINE 90DF (WG)	0.675	LAA	1					
	C»AE F 130360 (70WDG)	0.066	LAA	3					
	D»CROP OIL CONCENTRATE	1.00	QMA	3					
	E»28%N	1.00	QMA	3					
6A	DEFINE (60DF)	0.375	LAA	1	99	99	95	99	99
	B ATRAZINE 90DF (WG)	0.90	LAA	1					
	C»AE F 130360 (61WDG)	0.067	LAA	3					
	D»CROP OIL CONCENTRATE	1.00	QMA	3					
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7A	BALANCE PRO (4SC)	0.047	LAA	1	99	99	98	99	99
	B»DEFINE (60DF)	0.60	LAA	1					
	C ATRAZINE 90DF (WG)	1.35	LAA	1					
8A	BALANCE PRO (4SC)	0.07	LAA	1	99	99	93	99	99
	B»DEFINE (60DF)	0.45	LAA	1					
	C ATRAZINE 90DF (WG)	1.35	LAA	1					
9A	BALANCE PRO (4SC)	0.094	LAA	1	99	99	95	99	99
	B»DEFINE (60DF)	0.30	LAA	1					
	C ATRAZINE 90DF (WG)	1.35	LAA	1					
10A	LIBERTY (1.67SL)	0.365	LAA	2	99	99	88	96	99
	B ATRAZINE 90DF (WG)	0.90	LAA	2					
	C»AMMONIUM SULFATE	3.00	LMA	2					
11A	LIBERTY (1.67SL)	0.365	LAA	2	99	99	95	99	99
	B»DEFINE (60DF)	0.225	LAA	2					
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	D»AMMONIUM SULFATE	3.00	LMA	2					
12A	LIBERTY (1.67SL)	0.365	LAA	2	99	99	95	99	99
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	D»AMMONIUM SULFATE	3.00	LMA	2					
14A	AE F 130360 (61WDG)	0.067	LAA	2	91	99	73	95	91
	B»DEFINE (60DF)	0.30	LAA	2					
	C ATRAZINE 90DF (WG)	0.90	LAA	2					
	D»CROP OIL CONCENTRATE	1.00	QMA	2					
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	RATE	UNIT	TM	07/13/01	07/13/01	08/20/01	08/20/01	08/20/01
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B»DEFINE (60DF)	0.30	LAA	2					
C ATRAZINE 90DF (WG)	0.90	LAA	2					
D»CROP OIL CONCENTRATE	1.00	QMA	2					
E»28%N	1.00	QMA	2					
	LSD (0.05)			3.70	1.00	11.00	4.84	3.58

DATA MEAN

TITLE: Evaluation of Balance Pro, Define, Liberty, and AE F 130360 for weed management in Liberty Link corn.

CREATED: 06/05/2001 **REVISED:** 12/10/2001

COMPLETED: N

PROJECT TYPE: HERBICIDE

LOCATION: AMES, IA

RESEARCHED BY: IA State University

DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN

PLOT SIZE: 10.00 FT **WIDE X** 25.00 FT **LONG**

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			CHEAL CON %	ZEAMD BU/A
		RATE	UNIT	TM	08/20/01	10/18/01
1A	UNTREATED CHECK	0.00	NA	0	0	130
2A	BALANCE PRO (4SC)	0.031	LAA	1	99	188
	B»LIBERTY (1.67SL)	0.365	LAA	3		
	C ATRAZINE 90DF (WG)	0.90	LAA	3		
	D»AMMONIUM SULFATE	3.00	LMA	3		
3A	BALANCE PRO (4SC)	0.047	LAA	1	99	201
	B»LIBERTY (1.67SL)	0.365	LAA	3		
	C ATRAZINE 90DF (WG)	0.90	LAA	3		
	D»AMMONIUM SULFATE	3.00	LMA	3		
4A	BALANCE PRO (4SC)	0.07	LAA	1	99	183
	B»LIBERTY (1.67SL)	0.365	LAA	3		
	C ATRAZINE 90DF (WG)	0.90	LAA	3		
	D»AMMONIUM SULFATE	3.00	LMA	3		
5A	BALANCE PRO (4SC)	0.059	LAA	1	99	176
	B ATRAZINE 90DF (WG)	0.675	LAA	1		
	C»AE F 130360 (70WDG)	0.066	LAA	3		
	D»CROP OIL CONCENTRATE	1.00	QMA	3		
	E»28%N	1.00	QMA	3		
6A	DEFINE (60DF)	0.375	LAA	1	98	193
	B ATRAZINE 90DF (WG)	0.90	LAA	1		
	C»AE F 130360 (61WDG)	0.067	LAA	3		
	D»CROP OIL CONCENTRATE	1.00	QMA	3		
	E»28%N	1.00	QMA	3		
7A	BALANCE PRO (4SC)	0.047	LAA	1	99	191
	B»DEFINE (60DF)	0.60	LAA	1		
	C ATRAZINE 90DF (WG)	1.35	LAA	1		
8A	BALANCE PRO (4SC)	0.07	LAA	1	99	209
	B»DEFINE (60DF)	0.45	LAA	1		
	C ATRAZINE 90DF (WG)	1.35	LAA	1		
9A	BALANCE PRO (4SC)	0.094	LAA	1	99	191
	B»DEFINE (60DF)	0.30	LAA	1		
	C ATRAZINE 90DF (WG)	1.35	LAA	1		
10A	LIBERTY (1.67SL)	0.365	LAA	2	99	182
	B ATRAZINE 90DF (WG)	0.90	LAA	2		
	C»AMMONIUM SULFATE	3.00	LMA	2		
11A	LIBERTY (1.67SL)	0.365	LAA	2	99	203
	B»DEFINE (60DF)	0.225	LAA	2		
	C ATRAZINE 90DF (WG)	0.90	LAA	2		
	D»AMMONIUM SULFATE	3.00	LMA	2		
12A	LIBERTY (1.67SL)	0.365	LAA	2	99	187
	B»DEFINE (60DF)	0.338	LAA	2		
	C ATRAZINE 90DF (WG)	0.90	LAA	2		
	D»AMMONIUM SULFATE	3.00	LMA	2		
13A	LIBERTY (1.67SL)	0.365	LAA	2	99	203
	B»DEFINE (60DF)	0.45	LAA	2		
	C ATRAZINE 90DF (WG)	0.90	LAA	2		
	D»AMMONIUM SULFATE	3.00	LMA	2		
14A	AE F 130360 (61WDG)	0.067	LAA	2	99	164
	B»DEFINE (60DF)	0.30	LAA	2		
	C ATRAZINE 90DF (WG)	0.90	LAA	2		
	D»CROP OIL CONCENTRATE	1.00	QMA	2		
	E»28%N	1.00	QMA	2		

TRIAL # US 021/01/01 000 A1 : ACS 6

DATA MEAN

TITLE: Evaluation of Balance Pro, Define, Liberty, and AE F 130360 for weed management in Liberty Link corn.

TRT TREATMENT NUM COMPONENT	DOSAGE		TM	CHEAL CON %	ZEAMD BU/A
	RATE	UNIT		08/20/01	10/18/01
15A»AE F 130360 (70WDG)	0.066	LAA	2	98	189
B»DEFINE (60DF)	0.30	LAA	2		
C ATRAZINE 90DF (WG)	0.90	LAA	2		
D»CROP OIL CONCENTRATE	1.00	QMA	2		
E»28%N	1.00	QMA	2		
	LSD (0.05)			1.44	33.19

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = UNTRCHK / UNTREATED TIMING (FP)
01 = PREPRE / PRE 05/12/2001(1)
02 = EAPOWE / EPOST 06/11/2001(2)
03 = POSPOS / POST 06/16/2001(3)