

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: CL
PH: 6.3
%OM: 1.5
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: 0
PLOT WIDTH: 10 X 30 FEET

DESIGN: RCB
REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	09	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05/10/00	06/08/00	AME
AIR TEMPERATURE	72	83	F
% REL.HUMIDITY	46	30	
WIND DIRECTION	SOUTHEAST	WEST	
WIND SPEED	4.0	2.0	M/H
CLOUD COVER	OVERCAST	CLEAR	
DEW	NO	NO	
SOIL MOISTURE	MOIST/MOI	DRY/MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	
NOZZLE SPACING	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	32.00	32.00	PSI
DILUENT	WATER	WATER	
INC. DATE			AME
INC. START			24H
INC. END			24H
INC. DEPTH			IN
INC. EQUIPMENT	---	---	
DN/SG/MMZ			
*** CROP ***			
CORN, DENT		---/17	
BURRUS BX 424		15.0/15.0	IN
05/08/2000			
*** PEST ***			
VELVETLEAF		---/13	
		2.50/2.50	IN
PIGWEEED, REDROOT		MED/15	
		2.50/2.50	IN
LAMBSQUARTERS, C		---/16	
		2.00/2.00	IN
JIMSONWEED		MED/14	
		2.00/2.00	IN
MORNINGGLORY, IV		---/16	
		3.00/3.00	IN

* TIMING CODES

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

* STAGE CODE

13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS 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
17 = 7 LEAVES UNFOLDED

TITLE: ACATRALT Atrazine Alternatives in Conventional Tillage Corn Perry/Orr Fld-2405
CREATED: 05/01/2000 **REVISED:** 03/30/2001 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: PERRY ORR CENTER **RESEARCHED BY:**
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT **WIDE X** 30.00 FT **LONG** **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD 06/08/00	AMARE 06/08/00	DATST 06/08/00	CHEAL 06/08/00	ABUTH 06/08/00	IPOHE 06/08/00
		RATE	UNIT							
1A»	DUAL II MAGNUM	1.27	LAA	9	0	23	0	0	0	0
2A»	DUAL II MAGNUM	1.27	LAA	9	0	99	99	99	99	99
	B ATRAZINE DF	2.00	LAA	9						
3A»	DUAL II MAGNUM	1.27	LAA	9	0	83	81	93	86	58
	B»BALANCE 75WG	0.094	LAA	9						
4A»	DUAL II MAGNUM	1.27	LAA	9	0	89	72	91	76	50
	B»ZA1296 4SC	0.18	LAA	9						
5A»	DUAL II MAGNUM	1.27	LAA	9	0	83	90	98	67	37
	B»PYTHON 80WG	0.057	LAA	9						
6A»	DUAL II MAGNUM	1.27	LAA	9	0	88	99	99	75	77
	B»HORNET 68.5WG	0.267	LAA	9						
7A»	DUAL II MAGNUM	1.27	LAA	9	0	99	28	94	67	47
	B»BASIS	0.047	LAA	9						
8A»	DUAL II MAGNUM	1.27	LAA	9						
	B ATRAZINE DF	1.00	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
9A»	DUAL II MAGNUM	1.27	LAA	9						
	B»ZA1296 4SC	0.094	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
10A»	DUAL II MAGNUM	1.27	LAA	9						
	B»NORTHSTAR 47.4	0.148	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D 28% UAN	2.50	PMV	12						
11A»	DUAL II MAGNUM	1.27	LAA	9						
	B»DISTINCT 70WG	0.263	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D 28% UAN	2.50	PMV	12						
12A»	DUAL II MAGNUM	1.27	LAA	9						
	B»HORNET 68.5WG	0.267	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D 28% UAN	2.50	PMV	12						
13A»	DUAL II MAGNUM	1.27	LAA	9						
	B BUCTRIL 2EC	0.50	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
14A»	DUAL II MAGNUM	1.27	LAA	9						
	B»BASIS	0.0155	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
15A»	ACCENT GOLD 83	0.151	LAA	0						
	B»DPX79406 75DF	0.0234	LAA	12						
	C»HORNET 68.5WG	0.128	LAA	12						
	D»ACTIVATOR 90	0.25	PMV	12						
	E 28% UAN	2.50	PMV	12						
16A	CHECK	0.00	NA	0	0	0	0	0	0	0
17A»	HAND WEEDED		NA	0						
LSD (0.05)					0.00	10.73	9.28	8.17	11.14	13.69
STANDARD DEVIATION					0.00	5.26	4.54	4.00	5.46	6.70

TITLE: ACATRALT Atrazine Alternatives in Conventional Tillage Corn Perry/Orr Fld-2405
CREATED: 05/01/2000 **REVISED:** 03/30/2001 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: PERRY ORR CENTER **RESEARCHED BY:**
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT **WIDE X** 30.00 FT **LONG** **REPS:** 03

TRT TREATMENT NUM COMPONENT	DOSAGE		TM	ZEAMD		AMARE		DATST		CHEAL		ABUTH		IPOHE	
	RATE	UNIT		06/23/00		06/23/00		06/23/03		06/23/00		06/23/00		06/23/00	
1A»DUAL II MAGNUM	1.27	LAA	9		0		80		57		83		95		70
2A»DUAL II MAGNUM	1.27	LAA	9		0		99		99		99		98		99
B ATRAZINE DF	2.00	LAA	9												
3A»DUAL II MAGNUM	1.27	LAA	9		0		89		91		94		98		57
B»BALANCE 75WG	0.094	LAA	9												
4A»DUAL II MAGNUM	1.27	LAA	9		0		95		93		94		95		64
B»ZA1296 4SC	0.18	LAA	9												
5A»DUAL II MAGNUM	1.27	LAA	9		0		96		96		98		96		42
B»PYTHON 80WG	0.057	LAA	9												
6A»DUAL II MAGNUM	1.27	LAA	9		0		96		99		99		96		83
B»HORNET 68.5WG	0.267	LAA	9												
7A»DUAL II MAGNUM	1.27	LAA	9		0		99		86		89		88		40
B»BASIS	0.047	LAA	9												
8A»DUAL II MAGNUM	1.27	LAA	9		0		99		99		98		99		99
B ATRAZINE DF	1.00	LAA	12												
C»COC	1.00	PMV	12												
D 28% UAN	2.50	PMV	12												
9A»DUAL II MAGNUM	1.27	LAA	9		0		99		99		95		99		94
B»ZA1296 4SC	0.094	LAA	12												
C»COC	1.00	PMV	12												
D 28% UAN	2.50	PMV	12												
10A»DUAL II MAGNUM	1.27	LAA	9		0		92		99		88		96		95
B»NORTHSTAR 47.4	0.148	LAA	12												
C»ACTIVATOR 90	0.25	PMV	12												
D 28% UAN	2.50	PMV	12												
11A»DUAL II MAGNUM	1.27	LAA	9		0		96		99		95		98		92
B»DISTINCT 70WG	0.263	LAA	12												
C»ACTIVATOR 90	0.25	PMV	12												
D 28% UAN	2.50	PMV	12												
12A»DUAL II MAGNUM	1.27	LAA	9		0		95		99		94		99		89
B»HORNET 68.5WG	0.267	LAA	12												
C»ACTIVATOR 90	0.25	PMV	12												
D 28% UAN	2.50	PMV	12												
13A»DUAL II MAGNUM	1.27	LAA	9		10		91		99		99		99		95
B BUCTRIL 2EC	0.50	LAA	12												
C»COC	1.00	PMV	12												
D 28% UAN	2.50	PMV	12												
14A»DUAL II MAGNUM	1.27	LAA	9		0		97		85		91		99		91
B»BASIS	0.0155	LAA	12												
C»COC	1.00	PMV	12												
D 28% UAN	2.50	PMV	12												
15A»ACCENT GOLD 83	0.151	LAA	0		0		95		99		86		99		95
B»DPX79406 75DF	0.0234	LAA	12												
C»HORNET 68.5WG	0.128	LAA	12												
D»ACTIVATOR 90	0.25	PMV	12												
E 28% UAN	2.50	PMV	12												
16A CHECK	0.00	NA	0		0		0		0		0		0		0
17A»HAND WEEDED		NA	0		0		99		99		99		99		99
LSD (0.05)					0.00		12.00		14.40		14.70		5.35		18.32
STANDARD DEVIATION					0.00		5.90		7.05		7.20		2.62		9.00

TITLE: ACATRALT Atrazine Alternatives in Conventional Tillage Corn Perry/Orr Fld-2405
CREATED: 05/01/2000 **REVISED:** 03/30/2001 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: PERRY ORR CENTER **RESEARCHED BY:**
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT **WIDE X** 30.00 FT **LONG** **REPS:** 03

TRT TREATMENT NUM COMPONENT	DOSAGE		TM	ZEAMD		AMARE		DATST		CHEAL		ABUTH		IPOHE	
	RATE	UNIT		07/10/00	07/10/00	07/10/00	07/10/00	07/10/00	07/10/00	07/10/00	07/10/00	07/10/00	07/10/00	07/10/00	07/10/00
1A»DUAL II MAGNUM	1.27	LAA	9	0	86	77	91	0	23						
2A»DUAL II MAGNUM	1.27	LAA	9	0	99	99	99	98	98						
B ATRAZINE DF	2.00	LAA	9												
3A»DUAL II MAGNUM	1.27	LAA	9	0	90	94	91	96	27						
B»BALANCE 75WG	0.094	LAA	9												
4A»DUAL II MAGNUM	1.27	LAA	9	0	92	99	99	98	67						
B»ZA1296 4SC	0.18	LAA	9												
5A»DUAL II MAGNUM	1.27	LAA	9	0	96	80	94	90	40						
B»PYTHON 80WG	0.057	LAA	9												
6A»DUAL II MAGNUM	1.27	LAA	9	0	93	96	99	94	82						
B»HORNET 68.5WG	0.267	LAA	9												
7A»DUAL II MAGNUM	1.27	LAA	9	0	96	80	89	86	48						
B»BASIS	0.047	LAA	9												
8A»DUAL II MAGNUM	1.27	LAA	9	0	99	99	99	96	99						
B ATRAZINE DF	1.00	LAA	12												
C»COC	1.00	PMV	12												
D 28% UAN	2.50	PMV	12												
9A»DUAL II MAGNUM	1.27	LAA	9	0	99	99	99	99	98						
B»ZA1296 4SC	0.094	LAA	12												
C»COC	1.00	PMV	12												
D 28% UAN	2.50	PMV	12												
10A»DUAL II MAGNUM	1.27	LAA	9	0	99	99	97	99	96						
B»NORTHSTAR 47.4	0.148	LAA	12												
C»ACTIVATOR 90	0.25	PMV	12												
D 28% UAN	2.50	PMV	12												
11A»DUAL II MAGNUM	1.27	LAA	9	0	99	99	99	99	98						
B»DISTINCT 70WG	0.263	LAA	12												
C»ACTIVATOR 90	0.25	PMV	12												
D 28% UAN	2.50	PMV	12												
12A»DUAL II MAGNUM	1.27	LAA	9	0	99	99	99	99	99						
B»HORNET 68.5WG	0.267	LAA	12												
C»ACTIVATOR 90	0.25	PMV	12												
D 28% UAN	2.50	PMV	12												
13A»DUAL II MAGNUM	1.27	LAA	9	0	98	99	99	99	93						
B BUCTRIL 2EC	0.50	LAA	12												
C»COC	1.00	PMV	12												
D 28% UAN	2.50	PMV	12												
14A»DUAL II MAGNUM	1.27	LAA	9	0	99	85	91	99	89						
B»BASIS	0.0155	LAA	12												
C»COC	1.00	PMV	12												
D 28% UAN	2.50	PMV	12												
15A»ACCENT GOLD 83	0.151	LAA	0	0	97	99	95	99	97						
B»DPX79406 75DF	0.0234	LAA	12												
C»HORNET 68.5WG	0.128	LAA	12												
D»ACTIVATOR 90	0.25	PMV	12												
E 28% UAN	2.50	PMV	12												
16A CHECK	0.00	NA	0	0	0	0	0	0	0						
17A»HAND WEEDED		NA	0	0	99	99	99	99	97						
LSD (0.05)				0.00	9.00	11.58	11.87	7.29	13.66						
STANDARD DEVIATION				0.00	4.41	5.67	5.81	3.57	6.69						

TITLE: ACATRALT Atrazine Alternatives in Conventional Tillage Corn Perry/Orr Fld-2405
CREATED: 05/01/2000 **REVISED:** 03/30/2001 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: PERRY ORR CENTER **RESEARCHED BY:**
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT **WIDE X** 30.00 FT **LONG** **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	YIELD BU/A 09/25/00
		RATE	UNIT		
1A»	DUAL II MAGNUM	1.27	LAA	9	185.8
2A»	DUAL II MAGNUM	1.27	LAA	9	192.3
	B ATRAZINE DF	2.00	LAA	9	
3A»	DUAL II MAGNUM	1.27	LAA	9	189.3
	B»BALANCE 75WG	0.094	LAA	9	
4A»	DUAL II MAGNUM	1.27	LAA	9	184.7
	B»ZA1296 4SC	0.18	LAA	9	
5A»	DUAL II MAGNUM	1.27	LAA	9	192.8
	B»PYTHON 80WG	0.057	LAA	9	
6A»	DUAL II MAGNUM	1.27	LAA	9	188.7
	B»HORNET 68.5WG	0.267	LAA	9	
7A»	DUAL II MAGNUM	1.27	LAA	9	179.5
	B»BASIS	0.047	LAA	9	
8A»	DUAL II MAGNUM	1.27	LAA	9	191.9
	B ATRAZINE DF	1.00	LAA	12	
	C»COC	1.00	PMV	12	
	D 28% UAN	2.50	PMV	12	
9A»	DUAL II MAGNUM	1.27	LAA	9	190.6
	B»ZA1296 4SC	0.094	LAA	12	
	C»COC	1.00	PMV	12	
	D 28% UAN	2.50	PMV	12	
10A»	DUAL II MAGNUM	1.27	LAA	9	188.4
	B»NORTHSTAR 47.4	0.148	LAA	12	
	C»ACTIVATOR 90	0.25	PMV	12	
	D 28% UAN	2.50	PMV	12	
11A»	DUAL II MAGNUM	1.27	LAA	9	177.9
	B»DISTINCT 70WG	0.263	LAA	12	
	C»ACTIVATOR 90	0.25	PMV	12	
	D 28% UAN	2.50	PMV	12	
12A»	DUAL II MAGNUM	1.27	LAA	9	184.5
	B»HORNET 68.5WG	0.267	LAA	12	
	C»ACTIVATOR 90	0.25	PMV	12	
	D 28% UAN	2.50	PMV	12	
13A»	DUAL II MAGNUM	1.27	LAA	9	189.9
	B BUCTRIL 2EC	0.50	LAA	12	
	C»COC	1.00	PMV	12	
	D 28% UAN	2.50	PMV	12	
14A»	DUAL II MAGNUM	1.27	LAA	9	185.6
	B»BASIS	0.0155	LAA	12	
	C»COC	1.00	PMV	12	
	D 28% UAN	2.50	PMV	12	
15A»	ACCENT GOLD 83	0.151	LAA	0	185.4
	B»DPX79406 75DF	0.0234	LAA	12	
	C»HORNET 68.5WG	0.128	LAA	12	
	D»ACTIVATOR 90	0.25	PMV	12	
	E 28% UAN	2.50	PMV	12	
16A	CHECK	0.00	NA	0	189.2
17A»	HAND WEEDED		NA	0	194.2
LSD (0.05)					19.33
STANDARD DEVIATION					9.47

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING

09 = ----- / PREEMERGENCE 05/10/2000 (1)

12 = ----- / POST 06/08/2000 (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		06/08/2000	01	P	ZEAMD	17	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	AMARE		06/08/2000	02	P	AMARE	15	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	DATST		06/08/2000	03	P	DATST	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL		06/08/2000	04	P	CHEAL	16	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH		06/08/2000	05	P	ABUTH	13	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	IPOHE		06/08/2000	06	P	IPOHE	16	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ZEAMD		06/23/2000	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMARE		06/23/2000	02	P	AMARE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	DATST		06/23/1903	03	P	DATST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL		06/23/2000	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ABUTH		06/23/2000	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	IPOHE		06/23/2000	06	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	ZEAMD		07/10/2000	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	AMARE		07/10/2000	02	P	AMARE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	DATST		07/10/2000	03	P	DATST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	CHEAL		07/10/2000	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	ABUTH		07/10/2000	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	IPOHE		07/10/2000	06	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	YIELD	BU/A	09/25/2000	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = BURRUS BX 424

* STAGE CODE

13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS 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

17 = 7 LEAVES UNFOLDED