

Ohio State University
Horticulture and Crop Science

WEED CONTROL IN CORN WITH DUPONT "Q" PRODUCTS AND PREQUEL

USA-08-115

Trial ID: 08Q

Study Dir.: Anthony F. Dobbels

Location: WESTERN BRANCH F-7

Investigator: Dr. Mark M. Loux

GENERAL TRIAL INFORMATION

Study Director: Anthony F. Dobbels

Investigator: Dr. Mark M. Loux

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1. SETFA	Giant foxtail	Setaria faberi
2. CHEAL	Common lambsquarters	Chenopodium album
3. AMARE	Redroot pigweed	Amaranthus retroflexus
4. ABUTH	Velvetleaf	Abutilon theophrasti
5. AMBTR	Giant ragweed	Ambrosia trifida
6. POLPY	Pennsylvania smartweed	Polygonum pennsylvanicum

Crop 1: ZEAMX CORN, FIELD

Variety: PIONEER 32B83

Planting Date: Apr/24/2008

Planting Method: JOHN DEERE 7200

Rate: 32097 SEED/A

Depth: 1.5 IN

Row Spacing: 30 IN

Seed Bed: CONVENTIONAL

SITE AND DESIGN

Plot Width, Unit: 6.67 FT

Plot Length, Unit: 30 FT

Reps: 3

Tillage Type: CONVENTIONAL

Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% OM:	3	Texture:	SILTY CLAY LOAM
pH:	6.7	Soil Name:	KOKOMO
CEC:	24.6	Fert. Level:	GOOD

APPLICATION DESCRIPTION

	A	B	C
Application Date:	Apr/24/2008	May/21/2008	Jun/06/2008
Time of Day:	11:00 A.M	10:00 A.M	8:30 A.M
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	EPO	POST
Applic. Placement:	BROADCAST	BROADCAST	BROADCAST
Air Temp., Unit:	62 F	54 F	81 F
% Relative Humidity:	39	65	79
Wind Velocity, Unit:	8 E	10 W	7 S
Soil Temp., Unit:	54 F	50 F	69 F
Soil Moisture:	DRY/MOIST	DRY/MOIST	WET/WET
% Cloud Cover:	1	80	80

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	ZEAMX	ZEAMX V2	ZEAMX V5
Stage Scale:		COLLARS	COLLARS
Height, Unit:		4.5 IN	12.5 IN

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code, Stage:	SETFA	SETFA 1/2-1"	SETFA 1-2"
Stage Scale:		1 LV	1 LV
Density, Unit:		313 M2	313 M2
Weed 2 Code, Stage:	CHEAL	CHEAL 1/2"	CHEAL 1-2"
Stage Scale:		2 LVS	4 LVS
Density, Unit:		18.6 M2	18.6 M2
Weed 3 Code, Stage:	AMARE	AMARE 1/4"	AMARE
Stage Scale:		2 LVS	
Density, Unit:		20 M2	
Weed 4 Code, Stage:	ABUTH	ABUTH 1/8"	ABUTH
Stage Scale:		COTYLEDON	
Density, Unit:		1.3 M2	
Weed 5 Code, Stage:	AMBTR	AMBTR 2"	AMBTR 1-2"
Stage Scale:		4 LVS	2-4 LVS
Density, Unit:		8 M2	8 M2
Weed 6 Code, Stage:	POLPY	POLPY 1"	POLPY
Stage Scale:		2 LVS	
Density, Unit:		14.6 M2	

Ohio State University
Horticulture and Crop Science

APPLICATION EQUIPMENT

	A		B		C	
Appl. Equipment:	BACKPACK		BACKPACK		BACKPACK	
Operating Pressure:	53		53		53	
Nozzle Type:	DG		DG		DG	
Nozzle Size:	11002		11002		11002	
Nozzle Spacing, Unit:	18	IN	18	IN	18	IN
Ground Speed, Unit:	3	MPH	3	MPH	3	MPH
Carrier:	WATER		WATER		WATER	
Spray Volume, Unit:	20	GPA	20	GPA	20	GPA
Propellant:	CO2		CO2		CO2	

Ohio State University
Horticulture and Crop Science

WEED CONTROL IN CORN WITH DUPONT "Q" PRODUCTS AND PREQUEL

USA-08-115

Trial ID: 08Q

Study Dir.: Anthony F. Dobbels

Location: WESTERN BRANCH F-7

Investigator: Dr. Mark M. Loux

Weed Code				SETFA	CHEAL	AMBTR	AMBEL
Crop Code							
Rating Data Type				CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit				PERCENT	PERCENT	PERCENT	PERCENT
Rating Date				Jun/23/2008	Jun/23/2008	Jun/23/2008	Jun/23/2008
Trt-Eval Interval				8 DA-C	17 DA-C	17 DA-C	17 DA-C
# Subsamples, Dec.				0	0	0	0

Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6
1	STEADFAST Q 0.75 OZ					0 a	0 a	86 a	97 a	98 a	100 a
1	DPX-E9636	0.75 oz/a		EPO	B						
1	ACCENT	0.5 oz/a		EPO							
1	ISOXADIFEN-ETHYL	0.25 oz/a		EPO							
1	IMPACT	0.5 oz/a		EPO							
1	ATRAZINE	16 oz/a		EPO							
1	MSO	0.8 qt/a		EPO							
1	AMS	2.4 qt/a		EPO							
2	CINCH ATZ	1 qt/a		PRE	A	2 a	0 a	99 a	100 a	100 a	100 a
2	STEADFAST Q 0.75 OZ										
2	DPX-E9636	0.75 oz/a		POST	C						
2	ACCENT	0.5 oz/a		POST							
2	ISOXADIFEN-ETHYL	0.25 oz/a		POST							
2	IMPACT	0.5 oz/a		POST							
2	ATRAZINE	16 oz/a		POST							
2	MSO	0.8 qt/a		POST							
2	AMS	2.4 qt/a		POST							
3	RESOLVE Q 1.25 OZ					0 a	0 a	85 a	99 a	93 ab	100 a
3	DPX-E9636	0.92 oz/a		EPO	B						
3	HARMONY GT	0.1 oz/a		EPO							
3	ISOXADIFEN-ETHYL	0.23 oz/a		EPO							
3	ATRAZINE	16 oz/a		EPO							
3	ROUNDUP POWERMAX	22 oz/a		EPO							
3	AMS	2.4 qt/a		EPO							
4	CINCH ATZ	1 qt/a		PRE	A	1 a	0 a	99 a	100 a	95 ab	100 a
4	RESOLVE Q 1.25 OZ										
4	DPX-E9636	0.92 oz/a		POST	C						
4	HARMONY GT	0.1 oz/a		POST							
4	ISOXADIFEN-ETHYL	0.23 oz/a		POST							
4	ATRAZINE	16 oz/a		POST							
4	ROUNDUP POWERMAX	22 oz/a		POST							
4	AMS	2.4 qt/a		POST							
5	REQUIRE Q 4 OZ					0 a	0 a	88 a	95 a	93 ab	100 a
5	DPX-E9636	1 oz/a		EPO	B						
5	DICAMBA	2.75 oz/a		EPO							
5	ISOXADIFEN-ETHYL	0.25 oz/a		EPO							
5	ATRAZINE	16 oz/a		EPO							
5	ROUNDUP POWERMAX	22 oz/a		EPO							
5	AMS	2.4 qt/a		EPO							
6	CINCH ATZ	1 qt/a		PRE	A	1 a	0 a	98 a	100 a	98 a	100 a
6	REQUIRE Q 4 OZ										
6	DPX-E9636	1 oz/a		POST	C						
6	DICAMBA	2.75 oz/a		POST							
6	ISOXADIFEN-ETHYL	0.25 oz/a		POST							
6	ATRAZINE	16 oz/a		POST							
6	ROUNDUP POWERMAX	22 oz/a		POST							
6	AMS	2.4 qt/a		POST							
7	ROUNDUP POWERMAX	22 oz/a		EPO	B	0 a	0 a	63 b	70 b	85 b	100 a
7	AMS	2.4 qt/a		EPO							
8	CINCH ATZ	1 qt/a		PRE	A	0 a	0 a	90 a	98 a	97 ab	99 a
8	ROUNDUP POWERMAX	22 oz/a		POST	C						
8	AMS	2.4 qt/a		POST							

Ohio State University
Horticulture and Crop Science

Weed Code						SETFA	CHEAL	AMBTR	AMBEL		
Crop Code						ZEAMX	ZEAMX				
Rating Data Type						PHYTO	PHYTO	CONTROL	CONTROL		
Rating Unit						PERCENT	PERCENT	PERCENT	PERCENT		
Rating Date						Jun/14/2008	Jun/23/2008	Jun/23/2008	Jun/23/2008		
Trt-Eval Interval						8 DA-C	17 DA-C	17 DA-C	17 DA-C		
# Subsamples, Dec.						0	0	0	0		
Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6
9	PREQUEL					1 a	0 a	92 a	100 a	93 ab	100 a
9	DPX-E9636	1.5	oz/a	PRE	A						
9	ISOXAFLUTOLE	1	oz/a	PRE							
9	ROUNDUP POWERMAX	22	oz/a	POST	C						
9	AMS	2.4	qt/a	POST							
10	PREQUEL					2 a	0 a	98 a	100 a	100 a	100 a
10	DPX-E9636	1.5	oz/a	PRE	A						
10	ISOXAFLUTOLE	1	oz/a	PRE							
10	RESOLVE Q 1.25 OZ										
10	DPX-E9636	0.92	oz/a	POST	C						
10	HARMONY GT	0.1	oz/a	POST							
10	ISOXADIFEN-ETHYL	0.23	oz/a	POST							
10	ATRAZINE	16	oz/a	POST							
10	ROUNDUP POWERMAX	22	oz/a	POST							
10	AMS	2.4	qt/a	POST							
11	PREQUEL					3 a	0 a	98 a	100 a	100 a	100 a
11	DPX-E9636	1.5	oz/a	PRE	A						
11	ISOXAFLUTOLE	1	oz/a	PRE							
11	REQUIRE Q 4 OZ										
11	DPX-E9636	1	oz/a	POST	C						
11	DICAMBA	2.75	oz/a	POST							
11	ISOXADIFEN-ETHYL	0.25	oz/a	POST							
11	ATRAZINE	16	oz/a	POST							
11	ROUNDUP POWERMAX	22	oz/a	POST							
11	AMS	2.4	qt/a	POST							
12	UTC					0 a	0 a	0 c	0 c	0 c	0 b
LSD (P=.05)						1.9	0.0	9.8	10.3	8.0	0.6
Standard Deviation						1.1	0.0	5.8	6.1	4.7	0.3
CV						137.76	0.0	6.93	6.9	5.38	0.37
Bartlett's X2						0.075	0.0	34.006	17.067	6.587	0.0
P(Bartlett's X2)						0.999	.	0.001*	0.002*	0.582	.
Replicate F						1.115	0.000	0.201	1.955	1.305	0.955
Replicate Prob(F)						0.3465	1.0000	0.8192	0.1664	0.2924	0.4011
Treatment F						2.432	0.000	71.171	68.228	105.081	21452.196
Treatment Prob(F)						0.0385	1.0000	0.0001	0.0001	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Ohio State University
Horticulture and Crop Science

Weed Code	ABUTH	AMARE	ZEAMX	SETFA	CHEAL	AMBTR					
Crop Code	CONTROL	CONTROL	PHTYO	CONTROL	CONTROL	CONTROL					
Rating Data Type	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT					
Rating Unit	Jun/23/2008	Jun/23/2008	Jul/03/2008	Jul/03/2008	Jul/03/2008	Jul/03/2008					
Rating Date	17 DA-C	17 DA-C	27 DA-C	27 DA-C	27 DA-C	27 DA-C					
Trt-Eval Interval	0	0	0	0	0	0					
# Subsamples, Dec.	0	0	0	0	0	0					
Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	7	8	9	10	11	12
1	STEADFAST Q 0.75 OZ					94 a	95 a	0 a	83 a	95 a	98 a
1	DPX-E9636	0.75 oz/a		EPO	B						
1	ACCENT	0.5 oz/a		EPO							
1	ISOXADIFEN-ETHYL	0.25 oz/a		EPO							
1	IMPACT	0.5 oz/a		EPO							
1	ATRAZINE	16 oz/a		EPO							
1	MSO	0.8 qt/a		EPO							
1	AMS	2.4 qt/a		EPO							
2	CINCH ATZ	1 qt/a		PRE	A	99 a	100 a	0 a	91 a	98 a	91 a
2	STEADFAST Q 0.75 OZ										
2	DPX-E9636	0.75 oz/a		POST	C						
2	ACCENT	0.5 oz/a		POST							
2	ISOXADIFEN-ETHYL	0.25 oz/a		POST							
2	IMPACT	0.5 oz/a		POST							
2	ATRAZINE	16 oz/a		POST							
2	MSO	0.8 qt/a		POST							
2	AMS	2.4 qt/a		POST							
3	RESOLVE Q 1.25 OZ					99 a	100 a	0 a	78 a	89 ab	93 a
3	DPX-E9636	0.92 oz/a		EPO	B						
3	HARMONY GT	0.1 oz/a		EPO							
3	ISOXADIFEN-ETHYL	0.23 oz/a		EPO							
3	ATRAZINE	16 oz/a		EPO							
3	ROUNDUP POWERMAX	22 oz/a		EPO							
3	AMS	2.4 qt/a		EPO							
4	CINCH ATZ	1 qt/a		PRE	A	99 a	100 a	0 a	88 a	100 a	87 a
4	RESOLVE Q 1.25 OZ										
4	DPX-E9636	0.92 oz/a		POST	C						
4	HARMONY GT	0.1 oz/a		POST							
4	ISOXADIFEN-ETHYL	0.23 oz/a		POST							
4	ATRAZINE	16 oz/a		POST							
4	ROUNDUP POWERMAX	22 oz/a		POST							
4	AMS	2.4 qt/a		POST							
5	REQUIRE Q 4 OZ					96 a	100 a	0 a	80 a	85 b	89 a
5	DPX-E9636	1 oz/a		EPO	B						
5	DICAMBA	2.75 oz/a		EPO							
5	ISOXADIFEN-ETHYL	0.25 oz/a		EPO							
5	ATRAZINE	16 oz/a		EPO							
5	ROUNDUP POWERMAX	22 oz/a		EPO							
5	AMS	2.4 qt/a		EPO							
6	CINCH ATZ	1 qt/a		PRE	A	99 a	100 a	0 a	85 a	99 a	93 a
6	REQUIRE Q 4 OZ										
6	DPX-E9636	1 oz/a		POST	C						
6	DICAMBA	2.75 oz/a		POST							
6	ISOXADIFEN-ETHYL	0.25 oz/a		POST							
6	ATRAZINE	16 oz/a		POST							
6	ROUNDUP POWERMAX	22 oz/a		POST							
6	AMS	2.4 qt/a		POST							
7	ROUNDUP POWERMAX	22 oz/a		EPO	B	87 a	47 b	0 a	53 b	67 c	82 a
7	AMS	2.4 qt/a		EPO							
8	CINCH ATZ	1 qt/a		PRE	A	97 a	88 a	0 a	83 a	98 a	94 a
8	ROUNDUP POWERMAX	22 oz/a		POST	C						
8	AMS	2.4 qt/a		POST							
9	PREQUEL					100 a	93 a	0 a	83 a	100 a	90 a
9	DPX-E9636	1.5 oz/a		PRE	A						
9	ISOXAFLUTOLE	1 oz/a		PRE							
9	ROUNDUP POWERMAX	22 oz/a		POST	C						
9	AMS	2.4 qt/a		POST							

Ohio State University
Horticulture and Crop Science

Weed Code						ABUTH	AMARE		SETFA	CHEAL	AMBTR
Crop Code						CONTROL	CONTROL	ZEAMX	CONTROL	CONTROL	CONTROL
Rating Data Type						PERCENT	PERCENT	PHTYO	PERCENT	PERCENT	PERCENT
Rating Unit						Jun/23/2008	Jun/23/2008	Jul/03/2008	Jul/03/2008	Jul/03/2008	Jul/03/2008
Rating Date						17 DA-C	17 DA-C	27 DA-C	27 DA-C	27 DA-C	27 DA-C
Trt-Eval Interval						0	0	0	0	0	0
# Subsamples, Dec.											
Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	7	8	9	10	11	12
10	PREQUEL					100 a	100 a	0 a	84 a	100 a	100 a
10	DPX-E9636	1.5	oz/a	PRE	A						
10	ISOXAFLOTOLE	1	oz/a	PRE							
10	RESOLVE Q 1.25 OZ										
10	DPX-E9636	0.92	oz/a	POST	C						
10	HARMONY GT	0.1	oz/a	POST							
10	ISOXADIFEN-ETHYL	0.23	oz/a	POST							
10	ATRAZINE	16	oz/a	POST							
10	ROUNDUP POWERMAX	22	oz/a	POST							
10	AMS	2.4	qt/a	POST							
11	PREQUEL					100 a	100 a	0 a	86 a	100 a	98 a
11	DPX-E9636	1.5	oz/a	PRE	A						
11	ISOXAFLOTOLE	1	oz/a	PRE							
11	REQUIRE Q 4 OZ										
11	DPX-E9636	1	oz/a	POST	C						
11	DICAMBA	2.75	oz/a	POST							
11	ISOXADIFEN-ETHYL	0.25	oz/a	POST							
11	ATRAZINE	16	oz/a	POST							
11	ROUNDUP POWERMAX	22	oz/a	POST							
11	AMS	2.4	qt/a	POST							
12	UTC					0 b	0 c	0 a	0 c	0 d	0 b
	LSD (P=.05)					12.4	8.6	0.0	9.2	6.8	11.2
	Standard Deviation					7.3	5.0	0.0	5.4	4.0	6.6
	CV					8.2	5.92	0.0	7.27	4.67	7.77
	Bartlett's X2					36.362	11.4	0.0	19.623	13.337	5.179
	P(Bartlett's X2)					0.001*	0.022*	.	0.02*	0.038*	0.818
	Replicate F					1.452	3.017	0.000	0.317	0.622	1.522
	Replicate Prob(F)					0.2567	0.0705	1.0000	0.7314	0.5466	0.2413
	Treatment F					45.083	111.815	0.000	65.346	154.011	51.080
	Treatment Prob(F)					0.0001	0.0001	1.0000	0.0001	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Ohio State University
Horticulture and Crop Science

Weed Code						AMBEL	ABUTH	AMARE	SETFA	AMBTR	AMBEL
Crop Code						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Data Type						PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Unit						Jul/03/2008	Jul/03/2008	Jul/03/2008	Aug/05/2008	Aug/05/2008	Aug/05/2008
Rating Date						27 DA-C	27 DA-C	27 DA-C	60 DA-C	60 DA-C	60 DA-C
Trt-Eval Interval						0	0	0	0	0	0
# Subsamples, Dec.											
Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	13	14	15	16	17	18
1	STEADFAST Q 0.75 OZ					100 a	94 a	86 a	65 a	87 ab	100 a
1	DPX-E9636	0.75 oz/a		EPO	B						
1	ACCENT	0.5 oz/a		EPO							
1	ISOXADIFEN-ETHYL	0.25 oz/a		EPO							
1	IMPACT	0.5 oz/a		EPO							
1	ATRAZINE	16 oz/a		EPO							
1	MSO	0.8 qt/a		EPO							
1	AMS	2.4 qt/a		EPO							
2	CINCH ATZ	1 qt/a		PRE	A	100 a	95 a	100 a	88 a	88 ab	100 a
2	STEADFAST Q 0.75 OZ										
2	DPX-E9636	0.75 oz/a		POST	C						
2	ACCENT	0.5 oz/a		POST							
2	ISOXADIFEN-ETHYL	0.25 oz/a		POST							
2	IMPACT	0.5 oz/a		POST							
2	ATRAZINE	16 oz/a		POST							
2	MSO	0.8 qt/a		POST							
2	AMS	2.4 qt/a		POST							
3	RESOLVE Q 1.25 OZ					100 a	95 a	98 a	68 a	77 ab	100 a
3	DPX-E9636	0.92 oz/a		EPO	B						
3	HARMONY GT	0.1 oz/a		EPO							
3	ISOXADIFEN-ETHYL	0.23 oz/a		EPO							
3	ATRAZINE	16 oz/a		EPO							
3	ROUNDUP POWERMAX	22 oz/a		EPO							
3	AMS	2.4 qt/a		EPO							
4	CINCH ATZ	1 qt/a		PRE	A	100 a	93 a	100 a	76 a	80 ab	100 a
4	RESOLVE Q 1.25 OZ										
4	DPX-E9636	0.92 oz/a		POST	C						
4	HARMONY GT	0.1 oz/a		POST							
4	ISOXADIFEN-ETHYL	0.23 oz/a		POST							
4	ATRAZINE	16 oz/a		POST							
4	ROUNDUP POWERMAX	22 oz/a		POST							
4	AMS	2.4 qt/a		POST							
5	REQUIRE Q 4 OZ					100 a	88 a	94 a	63 a	77 ab	100 a
5	DPX-E9636	1 oz/a		EPO	B						
5	DICAMBA	2.75 oz/a		EPO							
5	ISOXADIFEN-ETHYL	0.25 oz/a		EPO							
5	ATRAZINE	16 oz/a		EPO							
5	ROUNDUP POWERMAX	22 oz/a		EPO							
5	AMS	2.4 qt/a		EPO							
6	CINCH ATZ	1 qt/a		PRE	A	100 a	94 a	100 a	80 a	87 ab	100 a
6	REQUIRE Q 4 OZ										
6	DPX-E9636	1 oz/a		POST	C						
6	DICAMBA	2.75 oz/a		POST							
6	ISOXADIFEN-ETHYL	0.25 oz/a		POST							
6	ATRAZINE	16 oz/a		POST							
6	ROUNDUP POWERMAX	22 oz/a		POST							
6	AMS	2.4 qt/a		POST							
7	ROUNDUP POWERMAX	22 oz/a		EPO	B	100 a	88 a	55 b	27 b	67 b	100 a
7	AMS	2.4 qt/a		EPO							
8	CINCH ATZ	1 qt/a		PRE	A	95 a	80 a	64 b	63 a	80 ab	100 a
8	ROUNDUP POWERMAX	22 oz/a		POST	C						
8	AMS	2.4 qt/a		POST							
9	PREQUEL					100 a	99 a	86 a	72 a	80 ab	100 a
9	DPX-E9636	1.5 oz/a		PRE	A						
9	ISOXAFLUTOLE	1 oz/a		PRE							
9	ROUNDUP POWERMAX	22 oz/a		POST	C						
9	AMS	2.4 qt/a		POST							

Ohio State University
Horticulture and Crop Science

						AMBEL	ABUTH	AMARE	SETFA	AMBTR	AMBEL
Weed Code	Crop Code					CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Data Type	Rating Unit					PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	Trt-Eval Interval					Jul/03/2008	Jul/03/2008	Jul/03/2008	Aug/05/2008	Aug/05/2008	Aug/05/2008
# Subsamples, Dec.						27 DA-C	27 DA-C	27 DA-C	60 DA-C	60 DA-C	60 DA-C
						0	0	0	0	0	0
Trt No.	Treatment Name	Product Rate	Product Unit	Grow Stg	Appl Code	13	14	15	16	17	18
10	PREQUEL					100 a	100 a	100 a	82 a	94 a	100 a
10	DPX-E9636	1.5	oz/a	PRE	A						
10	ISOXAFLUTOLE	1	oz/a	PRE							
10	RESOLVE Q 1.25 OZ										
10	DPX-E9636	0.92	oz/a	POST	C						
10	HARMONY GT	0.1	oz/a	POST							
10	ISOXADIFEN-ETHYL	0.23	oz/a	POST							
10	ATRAZINE	16	oz/a	POST							
10	ROUNDUP POWERMAX	22	oz/a	POST							
10	AMS	2.4	qt/a	POST							
11	PREQUEL					100 a	100 a	99 a	83 a	100 a	100 a
11	DPX-E9636	1.5	oz/a	PRE	A						
11	ISOXAFLUTOLE	1	oz/a	PRE							
11	REQUIRE Q 4 OZ										
11	DPX-E9636	1	oz/a	POST	C						
11	DICAMBA	2.75	oz/a	POST							
11	ISOXADIFEN-ETHYL	0.25	oz/a	POST							
11	ATRAZINE	16	oz/a	POST							
11	ROUNDUP POWERMAX	22	oz/a	POST							
11	AMS	2.4	qt/a	POST							
12	UTC					0 b	0 b	0 c	0 c	0 c	0 b
LSD (P=.05)						4.3	13.9	12.9	23.3	14.9	0.0
Standard Deviation						2.6	8.2	7.6	13.7	8.8	0.0
CV						2.8	9.56	9.29	21.44	11.53	0.0
Bartlett's X2						0.0	18.257	11.367	15.133	13.647	0.0
P(Bartlett's X2)						.	0.032*	0.078	0.087	0.135	.
Replicate F						0.955	4.776	2.703	0.407	5.490	0.000
Replicate Prob(F)						0.4011	0.0202	0.0902	0.6707	0.0121	1.0000
Treatment F						379.302	34.021	46.316	10.477	25.324	0.000
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001	1.0000

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Ohio State University
Horticulture and Crop Science

Weed Code						CHEAL	ABUTH	AMARE	POLPY
Crop Code						CONTROL	CONTROL	CONTROL	CONTROL
Rating Data Type						PERCENT	PERCENT	PERCENT	PERCENT
Rating Unit						Aug/05/2008	Aug/05/2008	Aug/05/2008	Aug/05/2008
Rating Date						60 DA-C	60 DA-C	60 DA-C	60 DA-C
Trt-Eval Interval						0	0	0	0
# Subsamples, Dec.						0	0	0	0
Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	19	20	21	22
1	STEADFAST Q 0.75 OZ					98 a	88 a	93 ab	100 a
1	DPX-E9636	0.75	oz/a	EPO	B				
1	ACCENT	0.5	oz/a	EPO					
1	ISOXADIFEN-ETHYL	0.25	oz/a	EPO					
1	IMPACT	0.5	oz/a	EPO					
1	ATRAZINE	16	oz/a	EPO					
1	MSO	0.8	qt/a	EPO					
1	AMS	2.4	qt/a	EPO					
2	CINCH ATZ	1	qt/a	PRE	A	90 ab	93 a	100 a	99 a
2	STEADFAST Q 0.75 OZ								
2	DPX-E9636	0.75	oz/a	POST	C				
2	ACCENT	0.5	oz/a	POST					
2	ISOXADIFEN-ETHYL	0.25	oz/a	POST					
2	IMPACT	0.5	oz/a	POST					
2	ATRAZINE	16	oz/a	POST					
2	MSO	0.8	qt/a	POST					
2	AMS	2.4	qt/a	POST					
3	RESOLVE Q 1.25 OZ					97 a	90 a	97 ab	100 a
3	DPX-E9636	0.92	oz/a	EPO	B				
3	HARMONY GT	0.1	oz/a	EPO					
3	ISOXADIFEN-ETHYL	0.23	oz/a	EPO					
3	ATRAZINE	16	oz/a	EPO					
3	ROUNDUP POWERMAX	22	oz/a	EPO					
3	AMS	2.4	qt/a	EPO					
4	CINCH ATZ	1	qt/a	PRE	A	100 a	96 a	100 a	100 a
4	RESOLVE Q 1.25 OZ								
4	DPX-E9636	0.92	oz/a	POST	C				
4	HARMONY GT	0.1	oz/a	POST					
4	ISOXADIFEN-ETHYL	0.23	oz/a	POST					
4	ATRAZINE	16	oz/a	POST					
4	ROUNDUP POWERMAX	22	oz/a	POST					
4	AMS	2.4	qt/a	POST					
5	REQUIRE Q 4 OZ					97 a	100 a	100 a	100 a
5	DPX-E9636	1	oz/a	EPO	B				
5	DICAMBA	2.75	oz/a	EPO					
5	ISOXADIFEN-ETHYL	0.25	oz/a	EPO					
5	ATRAZINE	16	oz/a	EPO					
5	ROUNDUP POWERMAX	22	oz/a	EPO					
5	AMS	2.4	qt/a	EPO					
6	CINCH ATZ	1	qt/a	PRE	A	100 a	100 a	100 a	100 a
6	REQUIRE Q 4 OZ								
6	DPX-E9636	1	oz/a	POST	C				
6	DICAMBA	2.75	oz/a	POST					
6	ISOXADIFEN-ETHYL	0.25	oz/a	POST					
6	ATRAZINE	16	oz/a	POST					
6	ROUNDUP POWERMAX	22	oz/a	POST					
6	AMS	2.4	qt/a	POST					
7	ROUNDUP POWERMAX	22	oz/a	EPO	B	75 b	100 a	73 c	93 a
7	AMS	2.4	qt/a	EPO					
8	CINCH ATZ	1	qt/a	PRE	A	83 ab	93 a	67 c	97 a
8	ROUNDUP POWERMAX	22	oz/a	POST	C				
8	AMS	2.4	qt/a	POST					
9	PREQUEL					93 ab	100 a	85 b	100 a
9	DPX-E9636	1.5	oz/a	PRE	A				
9	ISOXAFLUTOLE	1	oz/a	PRE					
9	ROUNDUP POWERMAX	22	oz/a	POST	C				
9	AMS	2.4	qt/a	POST					

Ohio State University
Horticulture and Crop Science

Weed Code	CHEAL	ABUTH	AMARE	POLPY
Crop Code				
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	Aug/05/2008	Aug/05/2008	Aug/05/2008	Aug/05/2008
Trt-Eval Interval	60 DA-C	60 DA-C	60 DA-C	60 DA-C
# Subsamples, Dec.	0	0	0	0

Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	19	20	21	22
10	PREQUEL					100 a	99 a	100 a	100 a
10	DPX-E9636	1.5	oz/a	PRE	A				
10	ISOXAFLUTOLE	1	oz/a	PRE					
10	RESOLVE Q 1.25 OZ								
10	DPX-E9636	0.92	oz/a	POST	C				
10	HARMONY GT	0.1	oz/a	POST					
10	ISOXADIFEN-ETHYL	0.23	oz/a	POST					
10	ATRAZINE	16	oz/a	POST					
10	ROUNDUP POWERMAX	22	oz/a	POST					
10	AMS	2.4	qt/a	POST					
11	PREQUEL					100 a	100 a	97 ab	100 a
11	DPX-E9636	1.5	oz/a	PRE	A				
11	ISOXAFLUTOLE	1	oz/a	PRE					
11	REQUIRE Q 4 OZ								
11	DPX-E9636	1	oz/a	POST	C				
11	DICAMBA	2.75	oz/a	POST					
11	ISOXADIFEN-ETHYL	0.25	oz/a	POST					
11	ATRAZINE	16	oz/a	POST					
11	ROUNDUP POWERMAX	22	oz/a	POST					
11	AMS	2.4	qt/a	POST					
12	UTC					0 c	0 b	0 d	0 b
	LSD (P=.05)					14.2	10.2	9.0	6.2
	Standard Deviation					8.3	6.0	5.3	3.6
	CV					9.68	6.83	6.29	4.01
	Bartlett's X2					6.591	4.872	3.983	0.874
	P(Bartlett's X2)					0.36	0.432	0.552	0.35
	Replicate F					0.527	0.476	6.102	2.241
	Replicate Prob(F)					0.5982	0.6279	0.0081	0.1312
	Treatment F					34.348	65.278	88.858	185.536
	Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.