

Ohio State University  
Horticulture and Crop Science

No-till Weed Control in Corn Burndown and Residual II

Title No. 2: HP12NARBLL  
 Trial ID: 12NTC2 Protocol ID: 12NTC2  
 Location: Western Branch F-9 E Study Director: Anthony F. Dobbels  
 Project ID: 12NTC2 Investigator: Dr. Mark M. Loux  
 Sponsor Contact: Dave Lamore, Bayer CropScience

General Trial Information

Study Director: Anthony F. Dobbels Title: Research Specialist  
 Investigator: Dr. Mark M. Loux Title: Professor

Trial Location

City: South Charleston Latitude of LL Corner °: 39.85872 N  
 State/Prov.: Ohio Longitude of LL Corner °: 83.67121 W  
 Postal Code: 45368  
 Country: USA

Crop Description

Crop 1: ZEAMX Zea mays Corn  
 Variety: Seed Consultants SCS 11HQ38 Description: RR/LL  
 BBCH Scale: BCOR Planting Date: Apr-30-2012  
 Planting Method: SEEDED seeded Rate, Unit: 32097 S/A  
 Depth, Unit: 1.75 IN  
 Row Spacing, Unit: 30 IN  
 Seed Bed: MEDIUM medium Soil Temperature, Unit: 63 F  
 Soil Moisture: SLIWET slightly wet Emergence Date: May-9-2012

Pest Description

- Pest 1 Type: W Code: STEME *Stellaria media*  
Common Name: Common chickweed
- Pest 2 Type: W Code: LAMPU *Lamium purpureum*  
Common Name: Purple deadnettel
- Pest 3 Type: W Code: LAMAM *Lamium amplexicaule*  
Common Name: Henbit
- Pest 4 Type: W Code: CAPBP *Capsella bursa-pastoris*  
Common Name: Shepherd's purse
- Pest 5 Type: W Code: VERAG *Veronica agrestis*  
Common Name: Field speedwell
- Pest 6 Type: W Code: RANAB *Ranunculus abortivus*  
Common Name: Smallflower buttercup
- Pest 7 Type: W Code: ERICA *Conyza canadensis*  
Common Name: Canada horseweed
- Pest 8 Type: W Code: AMBTR *Ambrosia trifida*  
Common Name: Giant ragweed
- Pest 9 Type: W Code: AMBEL *Ambrosia artemisiifolia*  
Common Name: Common ragweed
- Pest10 Type: W Code: SETFA *Setaria faberi*  
Common Name: Giant foxtail
- Pest11 Type: W Code: POLPY *Persicaria pensylvanica*  
Common Name: Pennsylvania smartweed

Site and Design

Plot Width, Unit: 6.67 FT Site Type: FIELD field  
 Plot Length, Unit: 30 FT Experimental Unit: 1 PLOT plot  
 Plot Area, Unit: 200.1 FT2 Tillage Type: NOTILL no-till  
 Replications: 3 Study Design: RAOBL Randomized Complete Block (RCB)  
 Untreated Arrangement: INCLUDED single control randomized in each block

Trial Initiation Comments:

Soil Description

Description Name: F-9 East  
 % OM: 2.8 Texture: SICL silty clay loam  
 pH: 6.4 Soil Name: Kokomo  
 CEC: 19.6 Fert. Level: G good  
 Soil Drainage: G good

Ohio State University  
Horticulture and Crop Science

Application Description

	A	B
Application Date:	Apr-18-2012	May-30-2012
Time of Day:	9:30 A.M.	8:30AM
Application Method:	SPRAY	SPRAY
Application Timing:	14 EPP	POST
Application Placement:	BROFOL	BROFOL
Applied By:	REEB	
Air Temperature, Unit:	52 F	70 F
% Relative Humidity:	58	74
Wind Velocity, Unit:	8 MPH	0 MPH
Wind Direction:	ENE	
Dew Presence (Y/N):	N no	N no
Soil Temperature, Unit:	48 F	65 F
Soil Moisture:	GOOD	DRY
% Cloud Cover:	2	0
Next Rain Occurred On:	Apr-20-2012	May-31-2012

Crop Stage At Each Application

	A	B
Crop 1 Code, BBCH Scale:	ZEAMX BCOR	ZEAMX BCOR
Stage Scale Used:	BBCH	
Stage Majority, Percent:	15	100
Height, Unit:	13	IN
Height Minimum, Maximum:	12	14

Ohio State University  
Horticulture and Crop Science

Pest Stage At Each Application

	A	B
Pest 1 Code, Type, Scale:	STEME W	STEME W
Stage Majority, Percent:	65	100
Diameter, Unit:	6 IN	
Height, Unit:	0.5 IN	
Height Minimum, Maximum:	0.5	0.5
Density, Unit:	14.63 m2	
Pest 2 Code, Type, Scale:	LAMPU W	LAMPU W
Stage Majority, Percent:	19	100
Height, Unit:	3.5 IN	
Height Minimum, Maximum:	3.5	3.5
Density, Unit:	5.32 m2	
Pest 3 Code, Type, Scale:	LAMAM W	LAMAM W
Stage Majority, Percent:	19	100
Height, Unit:	3.5 IN	
Height Minimum, Maximum:	3.5	3.5
Density, Unit:	0.25 m2	
Pest 4 Code, Type, Scale:	CAPBP W	CAPBP W
Stage Majority, Percent:	69	100
Diameter, Unit:	5 IN	
Height, Unit:	8 IN	
Height Minimum, Maximum:	8	8
Density, Unit:	13.3 m2	
Pest 5 Code, Type, Scale:	VERAG W	VERAG W
Stage Majority, Percent:	65	100
Diameter, Unit:	4 IN	
Height, Unit:	0.5 IN	
Height Minimum, Maximum:	0.5	0.5
Density, Unit:	0.25 m2	
Pest 6 Code, Type, Scale:	RANAB W	RANAB W
Stage Majority, Percent:	65	100
Height, Unit:	6 IN	
Height Minimum, Maximum:	6	6
Density, Unit:	0.25 m2	
Pest 7 Code, Type, Scale:	ERICA W	ERICA W
Stage Majority, Percent:	19	100
Diameter, Unit:	3 IN	
Height, Unit:	1 IN	2 IN
Height Minimum, Maximum:	1	1 3
Density, Unit:	57.19 m2	57.19 M2
Pest 8 Code, Type, Scale:	AMBTR W	AMBTR W
Stage Majority, Percent:	14	100
Diameter, Unit:	4 IN	
Height, Unit:	0.5 IN	3 IN
Height Minimum, Maximum:	0.5	0.5 2 4
Density, Unit:	0.25 m2	0.25 M2
Pest 9 Code, Type, Scale:	AMBEL W	AMBEL W
Stage Majority, Percent:	14	100
Diameter, Unit:	2 IN	
Height, Unit:	0.5 IN	2 IN
Height Minimum, Maximum:	0.5	0.5 1 3
Density, Unit:	0.25 m2	0.25 M2
Pest10 Code, Type, Scale:	SETFA W	SETFA W
Stage Majority, Percent:		16 100
Height, Unit:		4.5 IN
Height Minimum, Maximum:		3 6
Density, Unit:		115 M2
Pest11 Code, Type, Scale:	POLPY W	POLPY W
Stage Majority, Percent:		18 100
Height, Unit:		3 IN
Height Minimum, Maximum:		2 4
Density, Unit:		2 M2

Application Equipment

	A	B
Appl. Equipment:	6 foot boom	6 foot boom
Equipment Type:	SPRBAC	SPRBAC
Operation Pressure, Unit:	46 PSI	46 PSI
Nozzle Type:	AI XR	AI XR
Nozzle Size:	110015	110015
Nozzle Spacing, Unit:	18 IN	18 IN
Boom Length, Unit:	6 FT	6 FT
Boom Height, Unit:	20 IN	20 IN
Ground Speed, Unit:	3 MPH	3 MPH
Carrier:	WATER	WATER
Spray Volume, Unit:	15 GPA	15 GPA
Mix Size, Unit:	0.33 Gallons	0.33 Gallons
Propellant:	CO2	CO2

Ohio State University  
Horticulture and Crop Science

Pest Type	W Weed	W Weed	W Weed	W Weed					
Pest Code	STEME	LAMPU	LAMAM	VERAR					
Pest Scientific Name	Stellaria media	Lamium purpure>	Lamium amplexi>	Veronica arven>					
Pest Name	Common chickwe>	Purple deadnet>	Henbit	Corn speedwell					
Rating Date	Apr-30-2012	Apr-30-2012	Apr-30-2012	Apr-30-2012					
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO					
Rating Unit	%	%	%	%					
Number of Subsamples	1	1	1	1					
Days After First/Last Applic.	12 12	12 12	12 12	12 12					
Trt-Eval Interval	12 DA-A	12 DA-A	12 DA-A	12 DA-A					
Plant-Eval Interval	0 DP-1	0 DP-1	0 DP-1	0 DP-1					
Days After Emergence	-9 DE-1	-9 DE-1	-9 DE-1	-9 DE-1					
Number of Decimals	0	0	0	0					
Trt No.	Treatment Name	Rate Rate Unit	Other Other Rate Rate Unit	Growth Stage	Appl Code	1	2	3	4
1	UTC					0 b	0 d	0 d	0 c
2	Corvus	0.115 lb ai/a	5.6 oz/a	14 EPP A		97 a	90 b	95 ab	93 a
	2 Atrazine	1.5 lb ai/a	1.5 qt/a	14 EPP					
	2 Roundup PowerMax	0.77 lb ae/a	22 oz/a	14 EPP					
	2 N-PAK AMS	2.5 % v/v	1.5 qt/a	14 EPP					
3	Corvus	0.115 lb ai/a	5.6 oz/a	14 EPP A		68 a	100 a	100 a	100 a
	3 Atrazine	1.5 lb ai/a	1.5 qt/a	14 EPP					
	3 Liberty	0.402 lb ae/a	22 oz/a	14 EPP					
	3 N-PAK AMS	2.5 % v/v	1.5 qt/a	14 EPP					
4	Corvus	0.115 lb ai/a	5.6 oz/a	14 EPP A		97 a	93 ab	97 ab	95 a
	4 Sharpen	0.067 lb ai/a	3 oz/a	14 EPP					
	4 MSO	1 % v/v	0.6 qt/a	14 EPP					
5	Corvus	0.115 lb ai/a	5.6 oz/a	14 EPP A		85 a	100 a	100 a	88 a
	5 Atrazine	1.5 lb ai/a	1.5 qt/a	14 EPP					
	5 Clarity	0.25 lb ai/a	8 oz/a	14 EPP					
	5 COC	1 % v/v	0.6 qt/a	14 EPP					
6	Corvus	0.115 lb ai/a	5.6 oz/a	14 EPP A		90 a	100 a	100 a	87 a
	6 Atrazine	1.5 lb ai/a	1.5 qt/a	14 EPP					
	6 Clarity	0.5 lb ai/a	16 oz/a	14 EPP					
	6 COC	1 % v/v	0.6 qt/a	14 EPP					
7	Lexar	2.78 lb ai/a	3 qt/a	14 EPP A		83 a	92 b	92 b	89 a
	7 Touchdown Total	0.78 lb ae/a	24 oz/a	14 EPP					
	7 N-PAK AMS	2.5 % v/v	1.5 qt/a	14 EPP					
8	Surestart	1.56 lb ai/a	3 pt/a	14 EPP A		72 a	75 c	75 c	68 b
	8 Durango DMA	0.75 lb ae/a	1.5 pt/a	14 EPP					
	8 2,4-D Amine	0.5 lb ai/a	1 pt/a	14 EPP					
	8 N-PAK AMS	2.5 % v/v	1.5 qt/a	14 EPP					
	8 Durango DMA	0.75 lb ae/a	1.5 pt/a	POST B					
	8 N-PAK AMS	2.5 % v/v	1.5 qt/a	POST					
9	Surestart	1.56 lb ai/a	3 pt/a	14 EPP A		92 a	100 a	100 a	88 a
	9 Atrazine	1 lb ai/a	2 pt/a	14 EPP					
	9 Durango DMA	0.75 lb ae/a	1.5 pt/a	14 EPP					
	9 2,4-D Amine	0.5 lb ai/a	1 pt/a	14 EPP					
	9 N-PAK AMS	2.5 % v/v	1.5 qt/a	14 EPP					
	9 Durango DMA	0.75 lb ae/a	1.5 pt/a	POST B					
	9 N-PAK AMS	2.5 % v/v	1.5 qt/a	POST					
10	Zidua	0.133 lb ai/a	2.5 oz/a	14 EPP A		100 a	100 a	100 a	100 a
	10 Sharpen	0.067 lb ai/a	3 oz/a	14 EPP					
	10 Atrazine	1.5 lb ai/a	1.5 qt/a	14 EPP					
	10 MSO	1 % v/v	0.6 qt/a	14 EPP					
	10 Durango DMA	0.75 lb ae/a	1.5 pt/a	POST B					
	10 N-PAK AMS	2.5 % v/v	1.5 qt/a	POST					
	LSD (P=.05)					33.3	7.0	7.1	16.6
	Standard Deviation					19.4	4.1	4.2	9.7
	CV					24.81	4.79	4.85	11.93

Ohio State University  
Horticulture and Crop Science

Pest Type	W Weed	W Weed	W Weed	W Weed						
Pest Code	CAPBP	ERICA	STEME	LAMPU						
Pest Scientific Name	Capsella bursa>	Conyza canadens>	Stellaria media	Lamium purpure>						
Pest Name	Shepherd's pur>	Canada Common chickwe>		Purple deadnet>						
Rating Date	Apr-30-2012	Apr-30-2012	May-14-2012	May-14-2012						
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO						
Rating Unit	%	%	%	%						
Number of Subsamples	1	1	1	1						
Days After First/Last Applic.	12 12	12 12	26 26	26 26						
Trt-Eval Interval	12 DA-A	12 DA-A	26 DA-A	26 DA-A						
Plant-Eval Interval	0 DP-1	0 DP-1	14 DP-1	14 DP-1						
Days After Emergence	-9 DE-1	-9 DE-1	5 DE-1	5 DE-1						
Number of Decimals	0	0	0	0						
Trt No.	Treatment Name	Rate	Other Rate	Other Rate	Growth Stage	Appl Code	5	6	7	8
1	UTC						0 e	0 c	0 b	0 b
2	Corvus	0.115 lb ai/a	5.6 oz/a		14 EPP A		92 abc	88 b	100 a	100 a
	2 Atrazine	1.5 lb ai/a	1.5 qt/a		14 EPP					
	2 Roundup PowerMax	0.77 lb ae/a	22 oz/a		14 EPP					
	2 N-PAK AMS	2.5 % v/v	1.5 qt/a		14 EPP					
3	Corvus	0.115 lb ai/a	5.6 oz/a		14 EPP A		93 ab	100 a	100 a	100 a
	3 Atrazine	1.5 lb ai/a	1.5 qt/a		14 EPP					
	3 Liberty	0.402 lb ae/a	22 oz/a		14 EPP					
	3 N-PAK AMS	2.5 % v/v	1.5 qt/a		14 EPP					
4	Corvus	0.115 lb ai/a	5.6 oz/a		14 EPP A		96 a	100 a	100 a	100 a
	4 Sharpen	0.067 lb ai/a	3 oz/a		14 EPP					
	4 MSO	1 % v/v	0.6 qt/a		14 EPP					
5	Corvus	0.115 lb ai/a	5.6 oz/a		14 EPP A		73 d	88 b	100 a	100 a
	5 Atrazine	1.5 lb ai/a	1.5 qt/a		14 EPP					
	5 Clarity	0.25 lb ai/a	8 oz/a		14 EPP					
	5 COC	1 % v/v	0.6 qt/a		14 EPP					
6	Corvus	0.115 lb ai/a	5.6 oz/a		14 EPP A		77 cd	95 ab	100 a	100 a
	6 Atrazine	1.5 lb ai/a	1.5 qt/a		14 EPP					
	6 Clarity	0.5 lb ai/a	16 oz/a		14 EPP					
	6 COC	1 % v/v	0.6 qt/a		14 EPP					
7	Lexar	2.78 lb ai/a	3 qt/a		14 EPP A		90 abc	90 ab	100 a	100 a
	7 Touchdown Total	0.78 lb ae/a	24 oz/a		14 EPP					
	7 N-PAK AMS	2.5 % v/v	1.5 qt/a		14 EPP					
8	Surestart	1.56 lb ai/a	3 pt/a		14 EPP A		63 d	87 b	100 a	100 a
	8 Durango DMA	0.75 lb ae/a	1.5 pt/a		14 EPP					
	8 2,4-D Amine	0.5 lb ai/a	1 pt/a		14 EPP					
	8 N-PAK AMS	2.5 % v/v	1.5 qt/a		14 EPP					
	8 Durango DMA	0.75 lb ae/a	1.5 pt/a		POST B					
	8 N-PAK AMS	2.5 % v/v	1.5 qt/a		POST					
9	Surestart	1.56 lb ai/a	3 pt/a		14 EPP A		78 bcd	90 ab	100 a	100 a
	9 Atrazine	1 lb ai/a	2 pt/a		14 EPP					
	9 Durango DMA	0.75 lb ae/a	1.5 pt/a		14 EPP					
	9 2,4-D Amine	0.5 lb ai/a	1 pt/a		14 EPP					
	9 N-PAK AMS	2.5 % v/v	1.5 qt/a		14 EPP					
	9 Durango DMA	0.75 lb ae/a	1.5 pt/a		POST B					
	9 N-PAK AMS	2.5 % v/v	1.5 qt/a		POST					
10	Zidua	0.133 lb ai/a	2.5 oz/a		14 EPP A		100 a	100 a	100 a	100 a
	10 Sharpen	0.067 lb ai/a	3 oz/a		14 EPP					
	10 Atrazine	1.5 lb ai/a	1.5 qt/a		14 EPP					
	10 MSO	1 % v/v	0.6 qt/a		14 EPP					
	10 Durango DMA	0.75 lb ae/a	1.5 pt/a		POST B					
	10 N-PAK AMS	2.5 % v/v	1.5 qt/a		POST					
	LSD (P=.05)						15.2	10.1	0.0	0.0
	Standard Deviation						8.9	5.9	0.0	0.0
	CV						11.62	6.99	0.0	0.0



Ohio State University  
Horticulture and Crop Science

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed					
Pest Code	AMBEL	SETFA	ERICA	AMBTR	AMBEL					
Pest Scientific Name	Ambrosia artem>	Setaria faberi	Conyza canadens>	Ambrosia trifi>	Ambrosia artem>					
Pest Name	Common ragweed	Giant foxtail	Canada horsewe>	Giant ragweed	Common ragweed					
Rating Date	May-14-2012	May-29-2012	May-29-2012	May-29-2012	May-29-2012					
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO					
Rating Unit	%	%	%	%	%					
Number of Subsamples	1	1	1	1	1					
Days After First/Last Applic.	26 26	41 41	41 41	41 41	41 41					
Trt-Eval Interval	26 DA-A	41 DA-A	41 DA-A	41 DA-A	41 DA-A					
Plant-Eval Interval	14 DP-1	29 DP-1	29 DP-1	29 DP-1	29 DP-1					
Days After Emergence	5 DE-1	20 DE-1	20 DE-1	20 DE-1	20 DE-1					
Number of Decimals		0	0	0	0					
Trt No.	Treatment Name	Rate Rate Unit	Other Rate Rate Unit	Growth Stage	Appl Code	14	15	16	17	18
1	UTC					0.0 c	0 d	0 b	0 d	0.0 e
2	Corvus	0.115 lb ai/a	5.6 oz/a	14 EPP A		100.0 a	75 a	100 a	93 ab	86.7 abc
	2 Atrazine	1.5 lb ai/a	1.5 qt/a	14 EPP						
	2 Roundup PowerMax	0.77 lb ae/a	22 oz/a	14 EPP						
	2 N-PAK AMS	2.5 % v/v	1.5 qt/a	14 EPP						
3	Corvus	0.115 lb ai/a	5.6 oz/a	14 EPP A		99.3 a	80 a	100 a	100 a	100.0 a
	3 Atrazine	1.5 lb ai/a	1.5 qt/a	14 EPP						
	3 Liberty	0.402 lb ae/a	22 oz/a	14 EPP						
	3 N-PAK AMS	2.5 % v/v	1.5 qt/a	14 EPP						
4	Corvus	0.115 lb ai/a	5.6 oz/a	14 EPP A		100.0 a	73 a	100 a	80 bc	90.0 ab
	4 Sharpen	0.067 lb ai/a	3 oz/a	14 EPP						
	4 MSO	1 % v/v	0.6 qt/a	14 EPP						
5	Corvus	0.115 lb ai/a	5.6 oz/a	14 EPP A		100.0 a	73 a	100 a	93 ab	100.0 a
	5 Atrazine	1.5 lb ai/a	1.5 qt/a	14 EPP						
	5 Clarity	0.25 lb ai/a	8 oz/a	14 EPP						
	5 COC	1 % v/v	0.6 qt/a	14 EPP						
6	Corvus	0.115 lb ai/a	5.6 oz/a	14 EPP A		100.0 a	68 ab	100 a	98 a	100.0 a
	6 Atrazine	1.5 lb ai/a	1.5 qt/a	14 EPP						
	6 Clarity	0.5 lb ai/a	16 oz/a	14 EPP						
	6 COC	1 % v/v	0.6 qt/a	14 EPP						
7	Lexar	2.78 lb ai/a	3 qt/a	14 EPP A		100.0 a	65 ab	100 a	100 a	100.0 a
	7 Touchdown Total	0.78 lb ae/a	24 oz/a	14 EPP						
	7 N-PAK AMS	2.5 % v/v	1.5 qt/a	14 EPP						
8	Surestart	1.56 lb ai/a	3 pt/a	14 EPP A		96.7 ab	55 bc	93 a	85 abc	65.0 cd
	8 Durango DMA	0.75 lb ae/a	1.5 pt/a	14 EPP						
	8 2,4-D Amine	0.5 lb ai/a	1 pt/a	14 EPP						
	8 N-PAK AMS	2.5 % v/v	1.5 qt/a	14 EPP						
	8 Durango DMA	0.75 lb ae/a	1.5 pt/a	POST B						
	8 N-PAK AMS	2.5 % v/v	1.5 qt/a	POST						
9	Surestart	1.56 lb ai/a	3 pt/a	14 EPP A		93.3 b	43 c	87 a	73 c	50.0 d
	9 Atrazine	1 lb ai/a	2 pt/a	14 EPP						
	9 Durango DMA	0.75 lb ae/a	1.5 pt/a	14 EPP						
	9 2,4-D Amine	0.5 lb ai/a	1 pt/a	14 EPP						
	9 N-PAK AMS	2.5 % v/v	1.5 qt/a	14 EPP						
	9 Durango DMA	0.75 lb ae/a	1.5 pt/a	POST B						
	9 N-PAK AMS	2.5 % v/v	1.5 qt/a	POST						
10	Zidua	0.133 lb ai/a	2.5 oz/a	14 EPP A		100.0 a	73 a	87 a	82 bc	73.3 bcd
	10 Sharpen	0.067 lb ai/a	3 oz/a	14 EPP						
	10 Atrazine	1.5 lb ai/a	1.5 qt/a	14 EPP						
	10 MSO	1 % v/v	0.6 qt/a	14 EPP						
	10 Durango DMA	0.75 lb ae/a	1.5 pt/a	POST B						
	10 N-PAK AMS	2.5 % v/v	1.5 qt/a	POST						
	LSD (P=.05)					4.35	17.3	19.0	16.1	23.54
	Standard Deviation					2.54	10.1	11.1	9.4	13.72
	CV					2.85	16.58	12.79	11.69	17.93

Ohio State University  
Horticulture and Crop Science

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed				
Pest Code	CHEAL	AMARE	POLPY	SETFA	AMBTR				
Pest Scientific Name	Chenopodium al>	Amaranthus ret>	Persicaria pen>	Setaria faberi	Ambrosia trifi>				
Pest Name	Common lambsqu>	Redroot pigweed	Pennsylvania	Giant foxtail	Giant ragweed				
Rating Date	May-29-2012	May-29-2012	May-29-2012	Jun-25-2012	Jun-25-2012				
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO				
Rating Unit	%	%	%	%	%				
Number of Subsamples	1	1	1	1	1				
Days After First/Last Applic.	41 41	41 41	41 41	68 26	68 26				
Trt-Eval Interval	41 DA-A	41 DA-A	41 DA-A	26 DA-B	26 DA-B				
Plant-Eval Interval	29 DP-1	29 DP-1	29 DP-1	56 DP-1	56 DP-1				
Days After Emergence	20 DE-1	20 DE-1	20 DE-1	47 DE-1	47 DE-1				
Number of Decimals	0	0	0	0	0				
Trt Treatment	Rate	Other	Other	Growth	Appl				
No. Name	Rate	Rate	Rate	Stage	Code				
	Unit	Unit	Unit						
				19	20				
				21	22				
				23					
1 UTC				0 b	0.0 b	0 b	0 c	0 d	
2 Corvus	0.115 lb ai/a	5.6 oz/a		14 EPP A	100 a	100.0 a	100 a	23 b	67 abc
2 Atrazine	1.5 lb ai/a	1.5 qt/a		14 EPP					
2 Roundup PowerMax	0.77 lb ae/a	22 oz/a		14 EPP					
2 N-PAK AMS	2.5 % v/v	1.5 qt/a		14 EPP					
3 Corvus	0.115 lb ai/a	5.6 oz/a		14 EPP A	100 a	100.0 a	100 a	27 b	70 ab
3 Atrazine	1.5 lb ai/a	1.5 qt/a		14 EPP					
3 Liberty	0.402 lb ae/a	22 oz/a		14 EPP					
3 N-PAK AMS	2.5 % v/v	1.5 qt/a		14 EPP					
4 Corvus	0.115 lb ai/a	5.6 oz/a		14 EPP A	100 a	100.0 a	100 a	17 b	30 cd
4 Sharpen	0.067 lb ai/a	3 oz/a		14 EPP					
4 MSO	1 % v/v	0.6 qt/a		14 EPP					
5 Corvus	0.115 lb ai/a	5.6 oz/a		14 EPP A	100 a	100.0 a	100 a	23 b	50 bc
5 Atrazine	1.5 lb ai/a	1.5 qt/a		14 EPP					
5 Clarity	0.25 lb ai/a	8 oz/a		14 EPP					
5 COC	1 % v/v	0.6 qt/a		14 EPP					
6 Corvus	0.115 lb ai/a	5.6 oz/a		14 EPP A	100 a	100.0 a	100 a	13 bc	63 abc
6 Atrazine	1.5 lb ai/a	1.5 qt/a		14 EPP					
6 Clarity	0.5 lb ai/a	16 oz/a		14 EPP					
6 COC	1 % v/v	0.6 qt/a		14 EPP					
7 Lexar	2.78 lb ai/a	3 qt/a		14 EPP A	100 a	100.0 a	100 a	0 c	67 abc
7 Touchdown Total	0.78 lb ae/a	24 oz/a		14 EPP					
7 N-PAK AMS	2.5 % v/v	1.5 qt/a		14 EPP					
8 Surestart	1.56 lb ai/a	3 pt/a		14 EPP A	87 a	100.0 a	87 a	79 a	97 a
8 Durango DMA	0.75 lb ae/a	1.5 pt/a		14 EPP					
8 2,4-D Amine	0.5 lb ai/a	1 pt/a		14 EPP					
8 N-PAK AMS	2.5 % v/v	1.5 qt/a		14 EPP					
8 Durango DMA	0.75 lb ae/a	1.5 pt/a		POST B					
8 N-PAK AMS	2.5 % v/v	1.5 qt/a		POST					
9 Surestart	1.56 lb ai/a	3 pt/a		14 EPP A	87 a	100.0 a	100 a	77 a	93 a
9 Atrazine	1 lb ai/a	2 pt/a		14 EPP					
9 Durango DMA	0.75 lb ae/a	1.5 pt/a		14 EPP					
9 2,4-D Amine	0.5 lb ai/a	1 pt/a		14 EPP					
9 N-PAK AMS	2.5 % v/v	1.5 qt/a		14 EPP					
9 Durango DMA	0.75 lb ae/a	1.5 pt/a		POST B					
9 N-PAK AMS	2.5 % v/v	1.5 qt/a		POST					
10 Zidua	0.133 lb ai/a	2.5 oz/a		14 EPP A	90 a	100.0 a	87 a	76 a	97 a
10 Sharpen	0.067 lb ai/a	3 oz/a		14 EPP					
10 Atrazine	1.5 lb ai/a	1.5 qt/a		14 EPP					
10 MSO	1 % v/v	0.6 qt/a		14 EPP					
10 Durango DMA	0.75 lb ae/a	1.5 pt/a		POST B					
10 N-PAK AMS	2.5 % v/v	1.5 qt/a		POST					
LSD (P=.05)					13.6	0.00	18.2	13.9	39.4
Standard Deviation					7.9	0.00	10.6	8.1	23.0
CV					9.16	0.0	12.15	24.21	36.3



Ohio State University  
Horticulture and Crop Science

Pest Type	W Weed	W Weed	W Weed	W Weed			
Pest Code	AMBEL	ERICA	POLPY	CHEAL			
Pest Scientific Name	Ambrosia artem>	Conyza canad>	Persicaria pen>	Chenopodium al>			
Pest Name	Common ragweed	Canada horsewe>	Pennsylvania s>	Common lambsqu>			
Rating Date	Jun-25-2012	Jun-25-2012	Jun-25-2012	Jun-25-2012			
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO			
Rating Unit	%	%	%	%			
Number of Subsamples	1	1	1	1			
Days After First/Last Applic.	68 26	68 26	68 26	68 26			
Trt-Eval Interval	26 DA-B	26 DA-B	26 DA-B	26 DA-B			
Plant-Eval Interval	56 DP-1	56 DP-1	56 DP-1	56 DP-1			
Days After Emergence	47 DE-1	47 DE-1	47 DE-1	47 DE-1			
Number of Decimals		0	0	0			
Trt Treatment	Rate	Other Other	Growth Appl				
No. Name	Rate Unit	Rate Rate Unit	Stage Code	24			
				25			
				26			
				27			
1 UTC				0.0 d	0 c	0 c	0 b
2 Corvus	0.115 lb ai/a	5.6 oz/a	14 EPP A	70.0 abc	100 a	100 a	95 a
2 Atrazine	1.5 lb ai/a	1.5 qt/a	14 EPP				
2 Roundup PowerMax	0.77 lb ae/a	22 oz/a	14 EPP				
2 N-PAK AMS	2.5 % v/v	1.5 qt/a	14 EPP				
3 Corvus	0.115 lb ai/a	5.6 oz/a	14 EPP A	60.0 bc	100 a	100 a	90 a
3 Atrazine	1.5 lb ai/a	1.5 qt/a	14 EPP				
3 Liberty	0.402 lb ae/a	22 oz/a	14 EPP				
3 N-PAK AMS	2.5 % v/v	1.5 qt/a	14 EPP				
4 Corvus	0.115 lb ai/a	5.6 oz/a	14 EPP A	46.7 c	100 a	100 a	100 a
4 Sharpen	0.067 lb ai/a	3 oz/a	14 EPP				
4 MSO	1 % v/v	0.6 qt/a	14 EPP				
5 Corvus	0.115 lb ai/a	5.6 oz/a	14 EPP A	60.0 bc	100 a	100 a	100 a
5 Atrazine	1.5 lb ai/a	1.5 qt/a	14 EPP				
5 Clarity	0.25 lb ai/a	8 oz/a	14 EPP				
5 COC	1 % v/v	0.6 qt/a	14 EPP				
6 Corvus	0.115 lb ai/a	5.6 oz/a	14 EPP A	63.3 abc	100 a	100 a	90 a
6 Atrazine	1.5 lb ai/a	1.5 qt/a	14 EPP				
6 Clarity	0.5 lb ai/a	16 oz/a	14 EPP				
6 COC	1 % v/v	0.6 qt/a	14 EPP				
7 Lexar	2.78 lb ai/a	3 qt/a	14 EPP A	53.3 c	100 a	90 b	100 a
7 Touchdown Total	0.78 lb ae/a	24 oz/a	14 EPP				
7 N-PAK AMS	2.5 % v/v	1.5 qt/a	14 EPP				
8 Surestart	1.56 lb ai/a	3 pt/a	14 EPP A	91.7 ab	87 b	100 a	98 a
8 Durango DMA	0.75 lb ae/a	1.5 pt/a	14 EPP				
8 2,4-D Amine	0.5 lb ai/a	1 pt/a	14 EPP				
8 N-PAK AMS	2.5 % v/v	1.5 qt/a	14 EPP				
8 Durango DMA	0.75 lb ae/a	1.5 pt/a	POST B				
8 N-PAK AMS	2.5 % v/v	1.5 qt/a	POST				
9 Surestart	1.56 lb ai/a	3 pt/a	14 EPP A	90.0 ab	93 ab	100 a	92 a
9 Atrazine	1 lb ai/a	2 pt/a	14 EPP				
9 Durango DMA	0.75 lb ae/a	1.5 pt/a	14 EPP				
9 2,4-D Amine	0.5 lb ai/a	1 pt/a	14 EPP				
9 N-PAK AMS	2.5 % v/v	1.5 qt/a	14 EPP				
9 Durango DMA	0.75 lb ae/a	1.5 pt/a	POST B				
9 N-PAK AMS	2.5 % v/v	1.5 qt/a	POST				
10 Zidua	0.133 lb ai/a	2.5 oz/a	14 EPP A	99.3 a	93 ab	100 a	100 a
10 Sharpen	0.067 lb ai/a	3 oz/a	14 EPP				
10 Atrazine	1.5 lb ai/a	1.5 qt/a	14 EPP				
10 MSO	1 % v/v	0.6 qt/a	14 EPP				
10 Durango DMA	0.75 lb ae/a	1.5 pt/a	POST B				
10 N-PAK AMS	2.5 % v/v	1.5 qt/a	POST				
LSD (P=.05)				36.42	8.8	9.4	11.7
Standard Deviation				21.23	5.1	5.5	6.8
CV				33.47	5.87	6.15	7.89