

# Purdue Weed Science

## Acuron Performance Burndown-Corn

Trial ID: 16S-CORT-CORN-04      Location: CORTLAND      Trial Year: 2016  
 Protocol ID: 16S-CORT-CORN-04      Investigator: Dr. Bill Johnson  
 Project ID: EHLCor04-2016      Study Director: Dustin Johnson  
 Sponsor Contact: Syngenta-Steve Mroczkiewicz/Jim Bower

### General Trial Information

**Study Director:** Dustin Johnson    **Title:** Research Associate  
**Investigator:** Dr. Bill Johnson    **Title:** Professor

**Discipline:** H    herbicide  
**Trial Status:** E    established  
**Initiation Date:** Apr-14-2016  
**Completion Date:** Jul-26-2016

### Trial Location

**City:** Butlerville    **Country:** USA United States  
**State/Prov.:** Indiana  
**Postal Code:** 47723

**Latitude of LL Corner** °: 38.9851055 N  
**Longitude of LL Corner** °: 85.94485277 W

**Conducted Under GLP:** No  
**Conducted Under GEP:** No

### Contacts

**Study Director:** Dustin Johnson    **Title:** Research Associate  
**Organization:** Purdue University  
**Address:** 915 West State Street    **Phone No.:** (765) 496-6690  
**City+State/Prov:** West Lafayette, IN  
**Postal Code:** 47907    **E-mail:** john1357@purdue.edu  
**Country:** USA    United States

**Investigator:** Dr. Bill Johnson    **Title:** Professor  
**Organization:** Purdue University  
**Address:** 915 W. State Street  
**City+State/Prov:** West Lafayette, IN  
**Postal Code:** 47907    **E-mail:** wgj@purdue.edu  
**Country:** USA    United States

### Crop Description

**Crop 1:** ZEAMX    Zea mays  
**Variety:** Pioneer P1417AMX  
**Description:** Roundup Ready & Liberty Link

**BBCH Scale:** BCOR

**Planting Rate, Unit:** 32000    S/A  
**Depth, Unit:** 2.0 IN  
**Row Spacing, Unit:** 30 IN  
**Soil Temperature, Unit:** 70 F  
**Soil Moisture:** DRY    dry

**Planting Date:** May-30-2016  
**Planting Method:** PLANTD planted  
**Planting Equipment:** PP    Plot Planter  
**Emergence Date:** Jun-4-2016

### Pest Description

**Pest 1 Type:** W    **Code:** ERICA Conyza canadensis  
**Common Name:** Canada horseweed

### Site and Design

**Treated Plot Width:** 6.67 FT  
**Treated Plot Length:** 30 FT  
**Treated Plot Area:** 200.1 FT<sup>2</sup>    **Treatments:** 6  
**Replications:** 4

**Site Type:** FIELD field  
**Experimental Unit:** 1 PLOT plot  
**Tillage Type:** NOTILL no-till  
**Study Design:** RACOB� Randomized Complete Block (RCB)

### Maintenance

No.	Date	Maintenance Product Name	Rate	Rate Unit
1.	Mar-30-2016	0-0-60 POTASH	119	LB/A
2.	Mar-30-2016	18-46-0 PHOSPHORUS	60	LB/A
3.	May-6-2016	46-0-0 NITROGEN	184	LB/A

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Trial Year: 2016

#### Soil Description

**Description Name:** CORTLAND

**% Sand:** 46.6

**% OM:** 1.6

**% Silt:** 35.6

**pH:** 6.6

**% Clay:** 17.8

**CEC:** 9

**Texture:** SL sandy loam

**Soil Name:** Fox-Ockley

**Soil Drainage:** E excellent

#### Application Description

	A
<b>Application Date:</b>	May-23-2016
<b>Appl. Start Time:</b>	1:10 PM
<b>Appl. Stop Time:</b>	1:25 PM
<b>Application Method:</b>	SPRAY
<b>Application Timing:</b>	PREPLA
<b>Application Placement:</b>	BROADC
<b>Applied By:</b>	M. ZIMMER
<b>Air Temperature, Unit:</b>	74 F
<b>% Relative Humidity:</b>	25
<b>Wind Velocity, Unit:</b>	5 MPH
<b>Wind Direction:</b>	ENE
<b>Dew Presence (Y/N):</b>	N no
<b>Soil Temperature, Unit:</b>	70 F
<b>Soil Moisture:</b>	DRY
<b>% Cloud Cover:</b>	0

#### Crop Stage At Each Application

	A
<b>Crop 1 Code, BBCH Scale:</b>	ZEAMX BCOR

#### Pest Stage At Each Application

	A
<b>Pest 1 Code, Type, Scale:</b>	ERICA W
<b>Stage Majority, Percent:</b>	19
<b>Stage Minimum, Percent:</b>	12
<b>Stage Maximum, Percent:</b>	19
<b>Height, Unit:</b>	6 IN
<b>Height Minimum, Maximum:</b>	1 12
<b>Density, Unit:</b>	306 YD2

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Trial Year: 2016

### Application Equipment

	A
<b>Appl. Equipment:</b>	CO2 BACKPACK
<b>Equipment Type:</b>	BACSPR
<b>Operation Pressure, Unit:</b>	42 PSI
<b>Nozzle Type:</b>	FLAT FAN
<b>Nozzle Size:</b>	AIXR
<b>Nozzle Spacing, Unit:</b>	20 IN
<b>Nozzles/Row:</b>	4
<b>Boom Length, Unit:</b>	6.67 FT
<b>Boom Height, Unit:</b>	17 IN
<b>Ground Speed, Unit:</b>	3 MPH
<b>Carrier:</b>	WATER
<b>Spray Volume, Unit:</b>	15 GAL/AC
<b>Mix Size, Unit:</b>	1119 mL
<b>Propellant:</b>	COMCO2

### Date By Notes

Apr-14-2016 D. JOHNSON Setup Trial.  
 May-23-2016 M. ZIMMER Spray "A" Application as Pre Burndown.  
 May-30-2016 B. YOUNG Trial Planted.  
 Jun-1-2016 D. JOHNSON Rated 0 DAP.  
 Jun-7-2016 D. JOHNSON Rated 7 DAP. Weed Eff. & CI. No crop injury. Overall corn apperas to be nutrient defficient maybe maganese.  
 Jun-14-2016 D. JOHNSON Rated 14 DAP. Weed Eff. & CI.  
 Jun-29-2016 D. JOHNSON Rated 28 DAP. Weed Eff. & CI.  
 Jul-12-2016 D. JOHNSON Rated 42 DAP. Weed Eff.  
 Jul-26-2016 D. JOHNSON Rated 56 DAP. Weed Eff.

### Trial Comments

Touchdown Total will not be used due to not manufacturing it in treatments 2 and 4. Roundup Power Max will be used in place of Touchdown Total.

Standard Weed Efficacy & Phyto Ratings :  
 WE-7, 14, 28, 42, & 56 DAT  
 CI- 7, 14, & 28 DAE

Reps: 4      Appl Code: A      Plots: 6.67 by 30 feet  
 Spray vol: 15 GAL/AC      Mix Size: 1119 mL (1043.3 mL calculated mix size)

Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Appl Code	Amt Product to Measure	Rep			
							1	2	3	4
2	ROUNDUP POWERMAX N-PAK AMS	4.5 LBA/GAL	SL	22 fl oz/a	A	12.82 ml/mx	102	302	403	504
		3.4 LBA/GAL	SL	2.5 % v/v	A	27.97 ml/mx				
3	ACURON	3.44 LBA/GAL	SL	2.5 qt/a	A	46.62 ml/mx	103	204	401	503
	Activator 90-NIS	100 %	SL	0.25 % v/v	A	2.797 ml/mx				
	N-PAK AMS	3.4 LBA/GAL	SL	2.5 % v/v	A	27.97 ml/mx				
4	ACURON	3.44 LBA/GAL	SL	2.5 qt/a	A	46.62 ml/mx	104	203	402	501
	ROUNDUP POWERMAX	4.5 LBA/GAL	SL	22 fl oz/a	A	12.82 ml/mx				
	N-PAK AMS	3.4 LBA/GAL	SL	2.5 % v/v	A	27.97 ml/mx				
5	ACURON	3.44 LBA/GAL	SL	2.5 qt/a	A	46.62 ml/mx	105	301	303	405
	GRAMOXONE SL 2.0	2.0 LBA/GAL	SL	2.5 qt/a	A	46.62 ml/mx				
	Activator 90-NIS	100 %	SL	0.25 % v/v	A	2.797 ml/mx				
6	CORVUS	2.63 LBA/GAL	SL	3.33 fl oz/a	A	1.941 ml/mx	201	205	304	502
	AATREX 4L	4 LBA/GAL	SL	1 qt/a	A	18.65 ml/mx				
	Activator 90-NIS	100 %	SL	0.25 % v/v	A	2.797 ml/mx				

Reps: 4      Appl Code: \_      Plots: 6.67 by 30 feet  
 Spray vol: 15 GAL/AC      Mix Size: 1119 mL (1043.3 mL calculated mix size)

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Reps: 4      Appl Code: \_      Plots: 6.67 by 30 feet  
 Spray vol: 15 GAL/AC      Mix Size: 1119 mL (1043.3 mL calculated mix size)

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate Unit	Rate Code	Amt to Measure	Rep 1	Rep 2	Rep 3	Rep 4
1	Untreated Check							101	202	305	404

Sort Order: Application Code, Replicate 1

Product quantities required for listed treatments and applications of trials included in this table:

Amount*	Unit	Treatment Name	Form Conc	Form Unit	Form Type	Lot Code
32.055	ml	ROUNDUP POWERMAX	4.5	LBA/GAL	SL	
104.895	ml	N-PAK AMS	3.4	LBA/GAL	SL	
174.843	ml	ACURON	3.44	LBA/GAL	SL	
10.489	ml	Activator 90-NIS	100	%	SL	
58.281	ml	GRAMOXONE SL 2.0	2.0	LBA/GAL	SL	
2.426	ml	CORVUS	2.63	LBA/GAL	SL	
23.312	ml	AATREX 4L	4	LBA/GAL	SL	

- \* 'Per area' calculations based on spray volume= 15 GAL/AC, mix size= 1119 mL (mix size basis).
- \* Product amount calculations increased 25 % for overage adjustment.
- \* 'Per volume' calculations use spray volume= 15 GAL/AC, mix size= 1119 mL.

Pest Type	Pest Code	Pest Scientific Name	Pest Name	Crop Code	Crop Name	W Weed ERICA		W Weed ERICA		W Weed ERICA	
						Conyza canadensis	Canada horseweed	Erigeron canadensis	Canada horseweed	Erigeron canadensis	Canada horseweed
								ZEAMX Corn		ZEAMX Corn	
						Jun-1-2016	Jun-7-2016	Jun-7-2016	Jun-14-2016	Jun-14-2016	
						CONTRO	CONTRO	PHYGEN	CONTRO	PHYGEN	
						%	%	%	%	%	
						1	1	1	1	1	
						D. JOHNSON	D. JOHNSON	D. JOHNSON	D. JOHNSON	D. JOHNSON	
						1	2	7	3	8	
						A1	A2	A2	A3	A3	
						9 9	15 15	15 15	22 22	22 22	
						9 DA-A	15 DA-A	15 DA-A	15 DA-A	22 DA-A	
						-3 DE-1	3 DE-1	3 DE-1	10 DE-1	10 DE-1	
						P	P	P	P	P	
						0	0	0	0	0	
Trt No.	Treatment Name	Rate Unit	Rate Code	Appl Plot	1	2	3	4	5		
1	Untreated Check				101	0	0	0	0		
					202	0	0	0	0		
					305	0	0	0	0		
					404	0	0	0	0		
					Mean =	0	0	0	0		
2	ROUNDUP POWERMAX	22 fl oz/a	A		102	20	30	0	20		
	N-PAK AMS	2.5 % v/v	A		302	10	0	0	0		
					403	20	10	0	0		
					504	10	10	0	0		
					Mean =	15	13	0	5		
3	ACURON	2.5 qt/a	A		103	60	95	0	95		
	Activator 90-NIS	0.25 % v/v	A		204	80	100	0	100		
	N-PAK AMS	2.5 % v/v	A		401	45	75	0	85		
					503	50	90	0	100		
					Mean =	59	90	0	95		
4	ACURON	2.5 qt/a	A		104	60	95	0	100		
	ROUNDUP POWERMAX	22 fl oz/a	A		203	85	100	0	100		
	N-PAK AMS	2.5 % v/v	A		402	40	65	0	75		
					501	40	75	0	90		
					Mean =	56	84	0	91		

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Location: CORTLAND      Trial Year: 2016  
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				W Weed	W Weed		W Weed	
				ERICA	ERICA		ERICA	
				Conyza canad>	Erigeron canad>		Erigeron canad>	
				Canada horsewe>	Canada horsewe>		Canada horsewe>	
						ZEAMX		ZEAMX
						Corn		Corn
Pest Type				Jun-1-2016	Jun-7-2016	Jun-7-2016	Jun-14-2016	Jun-14-2016
Pest Code				CONTRO	CONTRO	PHYGEN	CONTRO	PHYGEN
Pest Scientific Name				%	%	%	%	%
Pest Name				1	1	1	1	1
Crop Code				D. JOHNSON	D. JOHNSON	D. JOHNSON	D. JOHNSON	D. JOHNSON
Crop Name				1	2	7	3	8
Rating Date				A1	A2	A2	A3	A3
Rating Type				9 9	15 15	15 15	22 22	22 22
Rating Unit				9 DA-A	15 DA-A	15 DA-A	15 DA-A	22 DA-A
Number of Subsamples				-3 DE-1	3 DE-1	3 DE-1	10 DE-1	10 DE-1
Assessed By				P	P	P	P	P
SE Group No.				0	0	0	0	0
Rating Timing								
Days After First/Last Applic.								
Trt-Eval Interval								
Days After Emergence								
ARM Action Codes								
Number of Decimals								
Trt Treatment	Rate	Appl						
No. Name	Rate Unit	Code	Plot	1	2	3	4	5
5 ACURON	2.5 qt/a	A	105	80	100	0	100	0
GRAMOXONE SL 2.0	2.5 qt/a	A	301	85	100	0	100	0
Activator 90-NIS	0.25 % v/v	A	303	85	100	0	100	0
			405	90	100	0	98	0
			Mean =	85	100	0	100	0
6 CORVUS	3.33 fl oz/a	A	201	75	95	0	90	0
AATREX 4L	1 qt/a	A	205	70	80	0	90	0
Activator 90-NIS	0.25 % v/v	A	304	50	65	0	85	0
			502	40	60	0	70	0
			Mean =	59	75	0	84	0

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Pest Type	W Weed		W Weed	W Weed
Pest Code	ERICA		ERICA	ERICA
Pest Scientific Name	Erigeron canad>		Erigeron canad>	Erigeron canad>
Pest Name	Canada horsewe>		Canada horsewe>	Canada horsewe>
Crop Code		ZEAMX		
Crop Name		Corn		
Rating Date	Jun-29-2016	Jun-29-2016	Jul-12-2016	Jul-26-2016
Rating Type	CONTRO	PHYGEN	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Assessed By	D. JOHNSON	D. JOHNSON	D. JOHNSON	D. JOHNSON
SE Group No.	4	9	6	5
Rating Timing	A4	A4	A5	A6
Days After First/Last Applic.	37 37	37 37	50 50	64 64
Trt-Eval Interval	15 DA-A	67 DA-A	15 DA-A	15 DA-A
Days After Emergence	25 DE-1	25 DE-1	38 DE-1	52 DE-1
ARM Action Codes	P	P	P	P
Number of Decimals	0	0	0	0
Trt Treatment	Rate	Appl		
No. Name	Rate Unit	Code Plot	6	7
			8	9
1 Untreated Check		101	0	0
		202	0	0
		305	0	0
		404	0	0
		Mean =	0	0
2 ROUNDUP POWERMAX	22 fl oz/a A	102	15	0
N-PAK AMS	2.5 % v/v A	302	0	0
		403	0	0
		504	0	0
		Mean =	4	0
3 ACURON	2.5 qt/a A	103	100	100
Activator 90-NIS	0.25 % v/v A	204	100	100
N-PAK AMS	2.5 % v/v A	401	80	95
		503	100	100
		Mean =	95	99
4 ACURON	2.5 qt/a A	104	100	100
ROUNDUP POWERMAX	22 fl oz/a A	203	100	100
N-PAK AMS	2.5 % v/v A	402	70	85
		501	90	95
		Mean =	90	95

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Trial Year: 2016

	W Weed		W Weed		W Weed	
	ERICA		ERICA		ERICA	
	Erigeron canad>		Erigeron canad>		Erigeron canad>	
	Canada horsewe>		Canada horsewe>		Canada horsewe>	
Pest Type			ZEAMX			
Pest Code			Corn			
Pest Scientific Name			Jun-29-2016		Jul-12-2016	
Pest Name			Jun-29-2016		Jul-26-2016	
Crop Code			PHYGEN		CONTRO	
Crop Name			%		%	
Rating Date	Jun-29-2016		%		%	
Rating Type	CONTRO		%		%	
Rating Unit	%		%		%	
Number of Subsamples	1		1		1	
Assessed By	D. JOHNSON		D. JOHNSON		D. JOHNSON	
SE Group No.	4		9		6	
Rating Timing	A4		A4		A5	
Days After First/Last Applic.	37 37		37 37		50 50	
Trt-Eval Interval	15 DA-A		67 DA-A		15 DA-A	
Days After Emergence	25 DE-1		25 DE-1		38 DE-1	
ARM Action Codes	P		P		P	
Number of Decimals	0		0		0	
Trt Treatment	Rate Appl					
No. Name	Rate Unit	Code Plot	6	7	8	9
5 ACURON	2.5 qt/a A	105	100	0	100	100
GRAMOXONE SL 2.0	2.5 qt/a A	301	100	0	100	100
Activator 90-NIS	0.25 % v/v A	303	100	0	100	100
		405	100	0	100	100
		Mean =	100	0	100	100
6 CORVUS	3.33 fl oz/a A	201	85	0	85	95
AATREX 4L	1 qt/a A	205	80	0	85	100
Activator 90-NIS	0.25 % v/v A	304	80	0	90	95
		502	60	0	50	60
		Mean =	76	0	78	88

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**Pest Type**  
W, Weed, G-BYRW7, G-WedStg = Weed or volunteer crop

**Pest Code**  
ERICA, Conyza canadensis, = ERICA, Conyza canadensis,  
ERICA, Erigeron canadensis, = US

**Crop Code**  
ZEAMX, BCOR, Zea mays, = US

**Rating Type**  
CONTRO = control / burndown or knockdown  
PHYGEN = phytotoxicity - general / injury

**Rating Unit**  
% = percent

**Rating Timing**  
A1 = 1st Assessment According to Trial Schedule  
A2 = 2nd Assessment According to trial Schedule  
A3 = 3rd Assessment According to Trial Schedule  
A4 = 4th Assessment According to Trial Schedule  
A5 = 5th Assessment According to Trial Schedule  
A6 = 6th Assessment according to Trial Schedule

**ARM Action Codes**  
P = Rating scale of 0 to 100 (e.g. % control or injury)

	W Weed ERICA Conyza canadensis Canada horsewe>	W Weed ERICA Erigeron canadensis Canada horsewe>	W Weed ERICA Erigeron canadensis Canada horsewe>	W Weed ERICA Erigeron canadensis Canada horsewe>	W Weed ERICA Erigeron canadensis Canada horsewe>
Pest Type					
Pest Code					
Pest Scientific Name					
Pest Name					
Crop Code			ZEAMX		ZEAMX
Crop Name			Corn		Corn
Rating Date	Jun-1-2016	Jun-7-2016	Jun-7-2016	Jun-14-2016	Jun-14-2016
Rating Type	CONTRO	CONTRO	PHYGEN	CONTRO	PHYGEN
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Assessed By	D. JOHNSON	D. JOHNSON	D. JOHNSON	D. JOHNSON	D. JOHNSON
SE Group No.	1	2	7	3	8
Rating Timing	A1	A2	A2	A3	A3
Days After First/Last Applic.	9 9	15 15	15 15	22 22	22 22
Trt-Eval Interval	9 DA-A	15 DA-A	15 DA-A	15 DA-A	22 DA-A
Days After Emergence	-3 DE-1	3 DE-1	3 DE-1	10 DE-1	10 DE-1
ARM Action Codes	P	P	P	P	P
Number of Decimals	0	0	0	0	0
Trt Treatment					
No. Name	1	2	3	4	5
Rate					
Rate Unit					
Appl Code					
1 Untreated Check	0 c	0 c	0 -	0 c	0 -
2 ROUNDUP POWERMAX N-PAK AMS	22 fl oz/a A 2.5 % v/v A	15 c	13 c	0 -	5 c
3 ACURON Activator 90-NIS N-PAK AMS	2.5 qt/a A 0.25 % v/v A 2.5 % v/v A	59 b	90 ab	0 -	95 ab
4 ACURON ROUNDUP POWERMAX N-PAK AMS	2.5 qt/a A 22 fl oz/a A 2.5 % v/v A	56 b	84 ab	0 -	91 ab
5 ACURON GRAMOXONE SL 2.0 Activator 90-NIS	2.5 qt/a A 2.5 qt/a A 0.25 % v/v A	85 a	100 a	0 -	100 a
6 CORVUS AATREX 4L Activator 90-NIS	3.33 fl oz/a A 1 qt/a A 0.25 % v/v A	59 b	75 b	0 -	84 b
LSD P=.05	17.2	14.5	.	10.7	.
Standard Deviation	11.4	9.6	0.0	7.1	0.0
CV	24.96	15.94	0.0	11.37	0.0
Bartlett's X2	8.412	0.64	0.0	10.207	0.0
P(Bartlett's X2)	0.078	0.887	.	0.037*	.
Skewness	-0.1585	-0.5622	.	-0.6834	.
Kurtosis	-1.4043	-1.474	.	-1.5235	.
Replicate F	2.858	3.659	0.000	2.553	0.000
Replicate Prob(F)	0.0722	0.0369	1.0000	0.0945	1.0000
Treatment F	31.020	79.390	0.000	173.497	0.000
Treatment Prob(F)	0.0001	0.0001	1.0000	0.0001	1.0000



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	W Weed		W Weed	W Weed
Pest Type	ERICA		ERICA	ERICA
Pest Code	Erigeron canad>		Erigeron canad>	Erigeron canad>
Pest Scientific Name	Canada horsewe>		Canada horsewe>	Canada horsewe>
Pest Name				
Crop Code		ZEAMX		
Crop Name		Corn		
Rating Date	Jun-29-2016	Jun-29-2016	Jul-12-2016	Jul-26-2016
Rating Type	CONTRO	PHYGEN	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Assessed By	D. JOHNSON	D. JOHNSON	D. JOHNSON	D. JOHNSON
SE Group No.	4	9	6	5
Rating Timing	A4	A4	A5	A6
Days After First/Last Applic.	37 37	37 37	50 50	64 64
Trt-Eval Interval	15 DA-A	67 DA-A	15 DA-A	15 DA-A
Days After Emergence	25 DE-1	25 DE-1	38 DE-1	52 DE-1
ARM Action Codes	P	P	P	P
Number of Decimals	0	0	0	0
Trt Treatment				
Rate Appl	6	7	8	9
No. Name Rate Unit Code				
1 Untreated Check	0 c	0 -	0 c	0 b
2 ROUNDUP POWERMAX N-PAK AMS	22 fl oz/a A 2.5 % v/v A 4 c	0 -	0 c	0 b
3 ACURON Activator 90-NIS N-PAK AMS	2.5 qt/a A 0.25 % v/v A 2.5 % v/v A 95 a	0 -	98 a	99 a
4 ACURON ROUNDUP POWERMAX N-PAK AMS	2.5 qt/a A 22 fl oz/a A 2.5 % v/v A 90 a	0 -	93 a	95 a
5 ACURON GRAMOXONE SL 2.0 Activator 90-NIS	2.5 qt/a A 2.5 qt/a A 0.25 % v/v A 100 a	0 -	100 a	100 a
6 CORVUS AATREX 4L Activator 90-NIS	3.33 fl oz/a A 1 qt/a A 0.25 % v/v A 76 b	0 -	78 b	88 a
LSD P=.05	12.0	.	14.1	12.2
Standard Deviation	8.0	0.0	9.4	8.1
CV	13.11	0.0	15.27	12.74
Bartlett's X2	1.117	0.0	3.978	8.818
P(Bartlett's X2)	0.773	.	0.137	0.012*
Skewness	-0.598	.	-0.6018	-0.6703
Kurtosis	-1.5751	.	-1.6512	-1.6182
Replicate F	2.533	0.000	0.810	1.076
Replicate Prob(F)	0.0962	1.0000	0.5081	0.3889
Treatment F	135.183	0.000	105.686	149.132
Treatment Prob(F)	0.0001	1.0000	0.0001	0.0001

## Purdue Weed Science

### Acuron Performance Burndown-Corn

Trial ID: 16S-CORT-CORN-04	Location: CORTLAND	Trial Year: 2016
Protocol ID: 16S-CORT-CORN-04	Investigator: Dr. Bill Johnson	
Project ID: EHLCor04-2016	Study Director: Dustin Johnson	
	Sponsor Contact: Syngenta-Steve Mroczkiewicz/Jim Bower	

Pest Type

W, Weed, G-BYRW7, G-WedStg = Weed or volunteer crop

Pest Code

ERICA, Conyza canadensis, = ERICA, Conyza canadensis,  
ERICA, Erigeron canadensis, = US

Crop Code

ZEAMX, BCOR, Zea mays, = US

Rating Type

CONTRO = control / burndown or knockdown

PHYGEN = phytotoxicity - general / injury

Rating Unit

% = percent

Rating Timing

A1 = 1st Assessment According to Trial Schedule

A2 = 2nd Assessment According to trial Schedule

A3 = 3rd Assessment According to Trial Schedule

A4 = 4th Assessment According to Trial Schedule

A5 = 5th Assessment According to Trial Schedule

A6 = 6th Assessment according to Trial Schedule

ARM Action Codes

P = Rating scale of 0 to 100 (e.g. % control or injury)