

# Purdue Weed Science

## Resicore Programs to Control Palmer amaranth in Corn

Trial ID: 16S-MED-CORN-01  
 Protocol ID: 16S-MED-CORN-01  
 Project ID: NA16R3K001

Location: Medaryville Trial Year: 2016  
 Investigator: Dr. Bill Johnson  
 Study Director: Joe Ikley  
 Sponsor Contact: Dow - Sunil Tewari

### Contacts

**Study Director:** Joe Ikley **Title:** Research Associate  
**Organization:** Purdue University  
**Address:** 915 West State Street **Phone No.:** 765-494-0891  
**City+State/Prov:** West Lafayette **Mobile No.:** 410-596-9091  
**Postal Code:** 47907 **E-mail:** jikley@purdue.edu

**Investigator:** Dr. Bill Johnson **Title:** Professor  
**Organization:** Purdue University  
**Address:** 915 West State Street **Phone No.:** 765-494-4656  
**City+State/Prov:** West Lafayette **Mobile No.:** 765-404-9801  
**Postal Code:** 47907 **E-mail:** wgj@purdue.edu

### Crop Description

**Crop 1:** ZEAMX Zea mays Corn  
**Variety:** DKC 62-08

**Planting Rate, Unit:** 32000 S/A  
**Depth, Unit:** 1.5 IN  
**Row Spacing, Unit:** 30 IN  
**Soil Temperature, Unit:** 55 F  
**Soil Moisture:** NORMAL normal, adequate

**Planting Date:** May-19-2016  
**Planting Method:** PLANTD planted  
**Planting Equipment:** PP Plot Planter  
**Emergence Date:** May-27-2016

### Pest Description

**Pest 1 Type:** W **Code:** AMAPA *Amaranthus palmeri*  
**Common Name:** Carelessweed

### Site and Design

**Treated Plot Width:** 10 FT  
**Treated Plot Length:** 30 FT  
**Treated Plot Area:** 300 FT<sup>2</sup> **Treatments:** 18  
**Replications:** 4

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

### Field Prep./Maintenance:

180 Pounds of N Applied as 32-0-5 on 5/13/16

Gramoxone Max Applied at 3.5 pt/A on 5/18/16

### Soil Description

**Description Name:** MEDARYVILLE  
**% Sand:** 84.5 **% OM:** 5.6 **Texture:** LS loamy sand  
**% Silt:** 12.8 **pH:** 6.7  
**% Clay:** 2.7 **CEC:** 13.6 **Fert. Level:** G good  
**Soil Drainage:** G good

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### Application Description

	A	B	C
<b>Application Date:</b>	May-19-2016	Jun-9-2016	Jun-9-2016
<b>Appl. Start Time:</b>	1:00 PM	7:45 AM	7:45 AM
<b>Appl. Stop Time:</b>	1:30 PM	8:30 AM	8:30 AM
<b>Application Method:</b>	SPRAY	SPRAY	SPRAY
<b>Application Timing:</b>	PRE	M POST	M POST
<b>Application Placement:</b>	BROADC	BROADC	BROADC
<b>Applied By:</b>	MZ	DS	DS
<b>Air Temperature, Unit:</b>	67 F	56 F	56 F
<b>% Relative Humidity:</b>	30	65	65
<b>Wind Velocity, Unit:</b>	1 MPH	3 MPH	3 MPH
<b>Wind Direction:</b>	E	ESE	ESE
<b>Dew Presence (Y/N):</b>	N no	Y yes	Y yes
<b>Soil Temperature, Unit:</b>	64 F	62 F	62 F
<b>Soil Moisture:</b>	NORMAL	SLIWET	SLIWET
<b>% Cloud Cover:</b>	100	50	50

### Crop Stage At Each Application

	A	B	C
<b>Crop 1 Code, BBCH Scale:</b>	ZEAMX BCOR	ZEAMX BCOR	ZEAMX BCOR
<b>Stage Scale Used:</b>		BBCH	BBCH
<b>Stage Majority, Percent:</b>		34	34
<b>Stage Minimum, Percent:</b>		33	33
<b>Stage Maximum, Percent:</b>		34	34
<b>Height, Unit:</b>		9.5 IN	9.5 IN
<b>Height Minimum, Maximum:</b>		7 12	7 12

### Pest Stage At Each Application

	A	B	C
<b>Pest 1 Code, Type, Scale:</b>	AMAPA W	AMAPA W	AMAPA W
<b>Stage Majority, Percent:</b>		33G	33G
<b>Stage Minimum, Percent:</b>		30G	30G
<b>Stage Maximum, Percent:</b>		36G	36G
<b>Height, Unit:</b>		2.5 IN	2.5 IN
<b>Height Minimum, Maximum:</b>		0.5 4	0.5 4
<b>Density, Unit:</b>		150 YD2	150 YD2

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### Application Equipment

	A	B	C
<b>Appl. Equipment:</b>	CO2 BACKPACK	CO2 BACKPACK	CO2 BACKPACK
<b>Equipment Type:</b>	BACSPR	BACSPR	BACSPR
<b>Operation Pressure, Unit:</b>	18 PSI	18 PSI	18 PSI
<b>Nozzle Type:</b>	FLAT FAN	FLAT FAN	FLAT FAN
<b>Nozzle Size:</b>	XR 11002	XR 11002	XR 11002
<b>Nozzle Spacing, Unit:</b>	15 IN	15 IN	15 IN
<b>Nozzles/Row:</b>	8	8	8
<b>Boom Length, Unit:</b>	10 FT	10 FT	10 FT
<b>Boom Height, Unit:</b>	17 IN	17 IN	17 IN
<b>Ground Speed, Unit:</b>	3 MPH	3 MPH	3 MPH
<b>Carrier:</b>	MEIGS	MEIGS	MEIGS
<b>Spray Volume, Unit:</b>	15 gal/ac	15 gal/ac	15 gal/ac
<b>Mix Size, Unit:</b>	1.8 liters	1.8 liters	1.8 liters
<b>Propellant:</b>	CO2	CO2	CO2

### Trial Comments

Reps: 4                      Plots: 10 by 30 feet  
 Spray vol: 15 GAL/AC                      Mix Size: 1.8 liters (1.5642 liters calculated mix size)

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate	Unit	Appl Code	Amt Product to Measure	Rep			
									1	2	3	4
1	Untreated Check								101	216	307	406
2	RESICORE	3.29 LB/GAL		SE	2.5 qt/a		A	75.0 ml/mx	102	209	313	417
3	RESICORE AATREX	3.29 LB/GAL 4 LB/GAL		SE L	2.5 qt/a 1 qt/a		A A	75.0 ml/mx 30.0 ml/mx	103	218	312	404
4	ACURON	3.44 LB/GAL		ZC	3 qt/a		A	90.0 ml/mx	104	211	306	407
5	CORVUS AATREX	2.63 LB/GAL 4 LB/GAL		SC L	5.6 fl oz/a 1 qt/a		A A	5.25 ml/mx 30.0 ml/mx	105	217	315	401
6	LUMAX EZ	3.674 LB/GAL		L	3.25 qt/a		A	97.5 ml/mx	106	201	303	402
7	ZIDUA AATREX	85 % 4 LB/GAL		WDG L	2.125 oz/a 1 qt/a		A A	1.91 g/mx 30.0 ml/mx	107	203	305	418
8	RESICORE RESICORE DURANGO DMA N-PAK - AMS	3.29 LB/GAL 3.29 LB/GAL 4 LBAE/GAL 3.4 LBA/GAL		SE SE SL L	1.5 qt/a 1.25 qt/a 1 qt/a 2.5 % v/v		A C C C	45.0 ml/mx 37.5 ml/mx 30.0 ml/mx 45.0 ml/mx	108	202	308	403
9	RESICORE RESICORE AATREX DURANGO DMA N-PAK - AMS	3.29 LB/GAL 3.29 LB/GAL 4 LB/GAL 4 LBAE/GAL 3.4 LBA/GAL		SE SE L SL L	1.5 qt/a 1.25 qt/a 0.5 qt/a 1 qt/a 2.5 % v/v		A C C C C	45.0 ml/mx 37.5 ml/mx 15.0 ml/mx 30.0 ml/mx 45.0 ml/mx	109	213	316	412
10	ACURON ACURON DURANGO DMA N-PAK - AMS	3.44 LB/GAL 3.44 LB/GAL 4 LBAE/GAL 3.4 LBA/GAL		ZC ZC SL L	1.5 qt/a 1.5 qt/a 1 qt/a 2.5 % v/v		A C C C	45.0 ml/mx 45.0 ml/mx 30.0 ml/mx 45.0 ml/mx	110	204	309	410
11	LUMAX EZ LUMAX EZ DURANGO DMA N-PAK - AMS	3.674 LB/GAL 3.674 LB/GAL 4 LBAE/GAL 3.4 LBA/GAL		L L SL L	1.5 qt/a 1.5 qt/a 1 qt/a 2.5 % v/v		A C C C	45.0 ml/mx 45.0 ml/mx 30.0 ml/mx 45.0 ml/mx	111	205	301	416
12	RESICORE DURANGO DMA N-PAK - AMS	3.29 LB/GAL 4 LBAE/GAL 3.4 LBA/GAL		SE SL L	1.25 qt/a 1 qt/a 2.5 % v/v		B B B	37.5 ml/mx 30.0 ml/mx 45.0 ml/mx	112	215	314	405



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Location: Medaryville Trial Year: 2016  
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Pest Type											
Pest Code											
Pest Name											
Crop Code	ZEAMX	ZEAMX	ZEAMX	ZEAMX	W Weed AMAPA Carelessweed	ZEAMX	ZEAMX				
Crop Name	Corn	Corn	Corn	Corn		Corn	Corn				
Part Rated	PLOT C	PLOT C	PLOT C	PLOT C	PLOT P	PLOT C	PLOT C				
Rating Date	Jun-9-2016	Jun-9-2016	Jun-9-2016	Jun-9-2016	Jun-9-2016	Jun-16-2016	Jun-16-2016				
Rating Type	PHYGEN	PHYSTU	PHYCHL	PHYNEC	CONTRO	PHYGEN	PHYSTU				
Rating Unit	%	%	%	%	%	%	%				
Number of Subsamples	1	1	1	1	1	1	1				
Days After First/Last Applic.	21 21	21 21	21 21	21 21	21 21	28 7	28 7				
Trt-Eval Interval	0 DA-B	0 DA-B	0 DA-B	0 DA-B	0 DA-B	7 DA-B	7 DA-B				
Days After Emergence	13 DE-1	13 DE-1	13 DE-1	13 DE-1	13 DE-1	20 DE-1	20 DE-1				
ARM Action Codes	P	P	P	P	P	P	P				
Number of Decimals	0	0	0	0	0	0	0				
Trt Treatment	Rate	Appl									
No. Name	Rate	Unit	Code	Plot	1	2	3	4	5	6	7
406					0	0	0	0	0	0	0
Mean =					0	0	0	0	0	0	0
2 RESICORE	2.5 qt/a	A	102		0	0	0	0	100	0	0
			209		0	0	0	0	100	0	0
			313		0	0	0	0	100	0	0
			417		0	0	0	0	100	0	0
Mean =					0	0	0	0	100	0	0
3 RESICORE	2.5 qt/a	A	103		0	0	0	0	100	0	0
AATREX	1 qt/a	A	218		0	0	0	0	100	0	0
			312		0	0	0	0	100	0	0
			404		0	0	0	0	100	0	0
Mean =					0	0	0	0	100	0	0
4 ACURON	3 qt/a	A	104		0	0	0	0	100	0	0
			211		0	0	0	0	100	0	0
			306		0	0	0	0	100	0	0
			407		0	0	0	0	95	0	0
Mean =					0	0	0	0	99	0	0
5 CORVUS	5.6 fl oz/a	A	105		0	0	0	0	100	0	0
AATREX	1 qt/a	A	217		0	0	0	0	100	0	0
			315		0	0	0	0	100	0	0
			401		0	0	0	0	100	0	0
Mean =					0	0	0	0	100	0	0
6 LUMAX EZ	3.25 qt/a	A	106		0	0	0	0	100	0	0
			201		0	0	0	0	95	0	0
			303		0	0	0	0	95	0	0
			402		0	0	0	0	100	0	0
Mean =					0	0	0	0	98	0	0
7 ZIDUA	2.125 oz/a	A	107		0	0	0	0	100	0	0
AATREX	1 qt/a	A	203		0	0	0	0	95	0	0
			305		0	0	0	0	95	0	0
			418		0	0	0	0	100	0	0
Mean =					0	0	0	0	98	0	0
8 RESICORE	1.5 qt/a	A	108		0	0	0	0	100	0	0
RESICORE	1.25 qt/a	C	202		0	0	0	0	100	0	0
DURANGO DMA	1 qt/a	C	308		0	0	0	0	100	0	0
N-PAK - AMS	2.5 % v/v	C	403		0	0	0	0	100	0	0
Mean =					0	0	0	0	100	0	0
9 RESICORE	1.5 qt/a	A	109		0	0	0	0	95	0	0
RESICORE	1.25 qt/a	C	213		0	0	0	0	100	0	0
AATREX	0.5 qt/a	C	316		0	0	0	0	100	0	0
DURANGO DMA	1 qt/a	C	412		0	0	0	0	100	0	0
N-PAK - AMS	2.5 % v/v	C			0	0	0	0		0	0
Mean =					0	0	0	0	99	0	0
10 ACURON	1.5 qt/a	A	110		0	0	0	0	100	5	0
ACURON	1.5 qt/a	C	204		0	0	0	0	95	5	0
DURANGO DMA	1 qt/a	C	309		0	0	0	0	100	5	0
N-PAK - AMS	2.5 % v/v	C	410		0	0	0	0	95	5	0
Mean =					0	0	0	0	98	5	0

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 Protocol ID: 16S-MED-CORN-01      Investigator: Dr. Bill Johnson  
 Project ID: NA16R3K001      Study Director: Joe Ikley  
 Sponsor Contact: Dow - Sunil Tewari

Pest Type											
Pest Code											
Pest Name											
Crop Code	ZEAMX	ZEAMX	ZEAMX	ZEAMX	W Weed	ZEAMX	ZEAMX				
Crop Name	Corn	Corn	Corn	Corn	AMAPA	Corn	Corn				
Part Rated	PLOT C	PLOT C	PLOT C	PLOT C	Carelessweed	PLOT C	PLOT C				
Rating Date	Jun-9-2016	Jun-9-2016	Jun-9-2016	Jun-9-2016	PLOT P	Jun-16-2016	Jun-16-2016				
Rating Type	PHYGEN	PHYSTU	PHYCHL	PHYNEC	CONTR0	PHYGEN	PHYSTU				
Rating Unit	%	%	%	%	%	%	%				
Number of Subsamples	1	1	1	1	1	1	1				
Days After First/Last Applic.	21 21	21 21	21 21	21 21	21 21	28 7	28 7				
Trt-Eval Interval	0 DA-B	0 DA-B	0 DA-B	0 DA-B	0 DA-B	7 DA-B	7 DA-B				
Days After Emergence	13 DE-1	13 DE-1	13 DE-1	13 DE-1	13 DE-1	20 DE-1	20 DE-1				
ARM Action Codes	P	P	P	P	P	P	P				
Number of Decimals	0	0	0	0	0	0	0				
Trt Treatment	Rate	Appl									
No. Name	Rate	Unit	Code	Plot	1	2	3	4	5	6	7
11 LUMAX EZ	1.5 qt/a	A	111		0	0	0	0	100	0	0
LUMAX EZ	1.5 qt/a	C	205		0	0	0	0	95	0	0
DURANGO DMA	1 qt/a	C	301		0	0	0	0	90	0	0
N-PAK - AMS	2.5 % v/v	C	416		0	0	0	0	95	0	0
			Mean =		0	0	0	0	95	0	0
12 RESICORE	1.25 qt/a	B	112		0	0	0	0	0	0	0
DURANGO DMA	1 qt/a	B	215		0	0	0	0	0	0	0
N-PAK - AMS	2.5 % v/v	B	314		0	0	0	0	0	0	0
			405		0	0	0	0	0	0	0
			Mean =		0	0	0	0	0	0	0
13 RESICORE	1.25 qt/a	B	113		0	0	0	0	0	0	0
AATREX	0.5 qt/a	B	212		0	0	0	0	0	0	0
DURANGO DMA	1 qt/a	B	317		0	0	0	0	0	0	0
N-PAK - AMS	2.5 % v/v	B	409		0	0	0	0	0	0	0
			Mean =		0	0	0	0	0	0	0
14 ACURON	1.5 qt/a	B	114		0	0	0	0	0	5	0
DURANGO DMA	1 qt/a	B	206		0	0	0	0	0	5	0
N-PAK - AMS	2.5 % v/v	B	310		0	0	0	0	0	5	0
			413		0	0	0	0	0	5	0
			Mean =		0	0	0	0	0	5	0
15 LUMAX EZ	1.5 qt/a	B	115		0	0	0	0	0	0	0
DURANGO DMA	1 qt/a	B	208		0	0	0	0	0	0	0
N-PAK - AMS	2.5 % v/v	B	318		0	0	0	0	0	0	0
			415		0	0	0	0	0	0	0
			Mean =		0	0	0	0	0	0	0
16 HALEX GT	3.6 pt/a	B	116		0	0	0	0	0	0	0
AATREX	0.5 qt/a	B	214		0	0	0	0	0	0	0
ACTIVATOR 90 - NIS	0.25 % v/v	B	311		0	0	0	0	0	0	0
N-PAK - AMS	2.5 % v/v	B	414		0	0	0	0	0	0	0
			Mean =		0	0	0	0	0	0	0
17 DURANGO DMA	1 qt/a	B	117		0	0	0	0	0	0	0
N-PAK - AMS	2.5 % v/v	B	207		0	0	0	0	0	0	0
			302		0	0	0	0	0	0	0
			408		0	0	0	0	0	0	0
			Mean =		0	0	0	0	0	0	0
18 Untreated Check			118		0	0	0	0	0	0	0
			210		0	0	0	0	0	0	0
			304		0	0	0	0	0	0	0
			411		0	0	0	0	0	0	0
			Mean =		0	0	0	0	0	0	0

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 Sponsor Contact: Dow - Sunil Tewari

Pest Type	ZEAMX		W Weed	ZEAMX		ZEAMX				
Pest Code	Corn		AMAPA	Corn		Corn				
Pest Name	Corn		Carelessweed	Corn		Corn				
Crop Code	ZEAMX	ZEAMX		ZEAMX	ZEAMX	ZEAMX	ZEAMX			
Crop Name	Corn	Corn		Corn	Corn	Corn	Corn			
Part Rated	PLOT C	PLOT C	PLOT P	PLOT C	PLOT C	PLOT C	PLOT C			
Rating Date	Jun-16-2016	Jun-16-2016	Jun-16-2016	Jun-23-2016	Jun-23-2016	Jun-23-2016	Jun-23-2016			
Rating Type	PHYCHL	PHYNEC	CONTRO	PHYGEN	PHYSTU	PHYCHL	PHYCHL			
Rating Unit	%	%	%	%	%	%	%			
Number of Subsamples	1	1	1	1	1	1	1			
Days After First/Last Applic.	28 7	28 7	28 7	35 14	35 14	35 14	35 14			
Trt-Eval Interval	7 DA-B	7 DA-B	7 DA-B	14 DA-B	14 DA-B	14 DA-B	14 DA-B			
Days After Emergence	20 DE-1	20 DE-1	20 DE-1	27 DE-1	27 DE-1	27 DE-1	27 DE-1			
ARM Action Codes	P	P	P	P	P	P	P			
Number of Decimals	0	0	0	0	0	0	0			
Trt Treatment	Rate	Appl								
No. Name	Rate	Unit	Code	Plot	8	9	10	11	12	13
1 Untreated Check	101				0	0	0	0	0	0
	216				0	0	0	0	0	0
	307				0	0	0	0	0	0

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Pest Type					W Weed							
Pest Code					AMAPA							
Pest Name					Carelessweed							
Crop Code	ZEAMX		ZEAMX		ZEAMX		ZEAMX		ZEAMX		ZEAMX	
Crop Name	Corn		Corn		Corn		Corn		Corn		Corn	
Part Rated	PLOT C		PLOT C		PLOT P		PLOT C		PLOT C		PLOT C	
Rating Date	Jun-16-2016		Jun-16-2016		Jun-16-2016		Jun-23-2016		Jun-23-2016		Jun-23-2016	
Rating Type	PHYCHL		PHYNEC		CONTRO		PHYGEN		PHYSTU		PHYCHL	
Rating Unit					%		%					
Number of Subsamples	1		1		1		1		1		1	
Days After First/Last Applic.	28 7		28 7		28 7		35 14		35 14		35 14	
Trt-Eval Interval	7 DA-B		7 DA-B		7 DA-B		14 DA-B		14 DA-B		14 DA-B	
Days After Emergence	20 DE-1		20 DE-1		20 DE-1		27 DE-1		27 DE-1		27 DE-1	
ARM Action Codes	P		P		P		P		P		P	
Number of Decimals	0		0		0		0		0		0	
Trt Treatment	Rate	Appl										
No. Name	Rate	Unit	Code	Plot	8	9	10	11	12	13		
			406		0	0	0	0	0	0		
			Mean =		0	0	0	0	0	0		
2 RESICORE	2.5 qt/a	A	102		0	0	95	0	0	0		
			209		0	0	90	0	0	0		
			313		0	0	100	0	0	0		
			417		0	0	100	0	0	0		
			Mean =		0	0	96	0	0	0		
3 RESICORE	2.5 qt/a	A	103		0	0	97	0	0	0		
AATREX	1 qt/a	A	218		0	0	100	0	0	0		
			312		0	0	100	0	0	0		
			404		0	0	100	0	0	0		
			Mean =		0	0	99	0	0	0		
4 ACURON	3 qt/a	A	104		0	0	97	0	0	0		
			211		0	0	95	0	0	0		
			306		0	0	85	0	0	0		
			407		0	0	85	0	0	0		
			Mean =		0	0	91	0	0	0		
5 CORVUS	5.6 fl oz/a	A	105		0	0	95	0	0	0		
AATREX	1 qt/a	A	217		0	0	100	0	0	0		
			315		0	0	99	0	0	0		
			401		0	0	85	0	0	0		
			Mean =		0	0	95	0	0	0		
6 LUMAX EZ	3.25 qt/a	A	106		0	0	97	0	0	0		
			201		0	0	70	0	0	0		
			303		0	0	90	0	0	0		
			402		0	0	95	0	0	0		
			Mean =		0	0	88	0	0	0		
7 ZIDUA	2.125 oz/a	A	107		0	0	95	0	0	0		
AATREX	1 qt/a	A	203		0	0	90	0	0	0		
			305		0	0	65	0	0	0		
			418		0	0	95	0	0	0		
			Mean =		0	0	86	0	0	0		
8 RESICORE	1.5 qt/a	A	108		0	0	100	0	0	0		
RESICORE	1.25 qt/a	C	202		0	0	95	0	0	0		
DURANGO DMA	1 qt/a	C	308		0	0	100	0	0	0		
N-PAK - AMS	2.5 % v/v	C	403		0	0	100	0	0	0		
			Mean =		0	0	99	0	0	0		
9 RESICORE	1.5 qt/a	A	109		0	0	100	0	0	0		
RESICORE	1.25 qt/a	C	213		0	0	100	0	0	0		
AATREX	0.5 qt/a	C	316		0	0	100	0	0	0		
DURANGO DMA	1 qt/a	C	412		0	0	100	0	0	0		
N-PAK - AMS	2.5 % v/v	C										
			Mean =		0	0	100	0	0	0		
10 ACURON	1.5 qt/a	A	110		5	0	100	5	0	5		
ACURON	1.5 qt/a	C	204		5	0	100	5	0	5		
DURANGO DMA	1 qt/a	C	309		5	0	100	5	0	5		
N-PAK - AMS	2.5 % v/v	C	410		5	0	100	5	0	5		
			Mean =		5	0	100	5	0	5		



# Purdue Weed Science

## Resicore Programs to Control Palmer amaranth in Corn

Trial ID: 16S-MED-CORN-01      Location: Medaryville      Trial Year: 2016  
 Protocol ID: 16S-MED-CORN-01      Investigator: Dr. Bill Johnson  
 Project ID: NA16R3K001      Study Director: Joe Ikley  
 Sponsor Contact: Dow - Sunil Tewari

Pest Type					W Weed					
Pest Code					AMAPA					
Pest Name					Carelessweed					
Crop Code	ZEAMX		ZEAMX		ZEAMX		ZEAMX		ZEAMX	
Crop Name	Corn		Corn		Corn		Corn		Corn	
Part Rated	PLOT C		PLOT C		PLOT P		PLOT C		PLOT C	
Rating Date	Jun-16-2016		Jun-16-2016		Jun-16-2016		Jun-23-2016		Jun-23-2016	
Rating Type	PHYCHL		PHYNEC		CONTRO		PHYGEN		PHYSTU	
Rating Unit					%		%			
Number of Subsamples	1		1		1		1		1	
Days After First/Last Applic.	28 7		28 7		28 7		35 14		35 14	
Trt-Eval Interval	7 DA-B		7 DA-B		7 DA-B		14 DA-B		14 DA-B	
Days After Emergence	20 DE-1		20 DE-1		20 DE-1		27 DE-1		27 DE-1	
ARM Action Codes	P		P		P		P		P	
Number of Decimals	0		0		0		0		0	
Trt Treatment	Rate	Appl								
No. Name	Rate	Unit	Code	Plot	8	9	10	11	12	13
11 LUMAX EZ	1.5 qt/a	A	111		0	0	100	0	0	0
LUMAX EZ	1.5 qt/a	C	205		0	0	100	0	0	0
DURANGO DMA	1 qt/a	C	301		0	0	100	0	0	0
N-PAK - AMS	2.5 % v/v	C	416		0	0	100	0	0	0
			Mean =		0	0	100	0	0	0
12 RESICORE	1.25 qt/a	B	112		0	0	99	0	0	0
DURANGO DMA	1 qt/a	B	215		0	0	95	0	0	0
N-PAK - AMS	2.5 % v/v	B	314		0	0	99	0	0	0
			405		0	0	100	0	0	0
			Mean =		0	0	98	0	0	0
13 RESICORE	1.25 qt/a	B	113		0	0	100	0	0	0
AATREX	0.5 qt/a	B	212		0	0	100	0	0	0
DURANGO DMA	1 qt/a	B	317		0	0	100	0	0	0
N-PAK - AMS	2.5 % v/v	B	409		0	0	100	0	0	0
			Mean =		0	0	100	0	0	0
14 ACURON	1.5 qt/a	B	114		5	0	100	5	0	5
DURANGO DMA	1 qt/a	B	206		5	0	100	0	0	0
N-PAK - AMS	2.5 % v/v	B	310		5	0	95	5	0	5
			413		5	0	100	5	0	5
			Mean =		5	0	99	4	0	4
15 LUMAX EZ	1.5 qt/a	B	115		0	0	100	0	0	0
DURANGO DMA	1 qt/a	B	208		0	0	99	0	0	0
N-PAK - AMS	2.5 % v/v	B	318		0	0	100	0	0	0
			415		0	0	100	0	0	0
			Mean =		0	0	100	0	0	0
16 HALEX GT	3.6 pt/a	B	116		0	0	100	0	0	0
AATREX	0.5 qt/a	B	214		0	0	100	0	0	0
ACTIVATOR 90 - NIS	0.25 % v/v	B	311		0	0	100	0	0	0
N-PAK - AMS	2.5 % v/v	B	414		0	0	100	0	0	0
			Mean =		0	0	100	0	0	0
17 DURANGO DMA	1 qt/a	B	117		0	0	20	0	0	0
N-PAK - AMS	2.5 % v/v	B	207		0	0	10	0	0	0
			302		0	0	10	0	0	0
			408		0	0	20	0	0	0
			Mean =		0	0	15	0	0	0
18 Untreated Check			118		0	0	0	0	0	0
			210		0	0	0	0	0	0
			304		0	0	0	0	0	0
			411		0	0	0	0	0	0
			Mean =		0	0	0	0	0	0

# Purdue Weed Science

## Resicore Programs to Control Palmer amaranth in Corn

Trial ID: 16S-MED-CORN-01  
 Protocol ID: 16S-MED-CORN-01  
 Project ID: NA16R3K001

Location: Medaryville Trial Year: 2016  
 Investigator: Dr. Bill Johnson  
 Study Director: Joe Ikley  
 Sponsor Contact: Dow - Sunil Tewari

Pest Type		W Weed	W Weed
Pest Code		AMAPA	AMAPA
Pest Name		Carelessweed	Carelessweed
Crop Code	ZEAMX		
Crop Name	Corn		
Part Rated	PLOT C	PLOT P	PLOT P
Rating Date	Jun-23-2016	Jun-23-2016	Jul-8-2016
Rating Type	PHYNEC	CONTRO	CONTRO
Rating Unit		%	%
Number of Subsamples	1	1	1
Days After First/Last Applic.	35 14	35 14	50 29
Trt-Eval Interval	14 DA-B	14 DA-B	29 DA-B
Days After Emergence	27 DE-1	27 DE-1	42 DE-1
ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment	Rate Appl		
No. Name	Rate Unit Code Plot	14	15
1 Untreated Check	101	0	0
	216	0	0
	307	0	0

# Purdue Weed Science

## Resicore Programs to Control Palmer amaranth in Corn

Trial ID: 16S-MED-CORN-01      Location: Medaryville      Trial Year: 2016  
 Protocol ID: 16S-MED-CORN-01      Investigator: Dr. Bill Johnson  
 Project ID: NA16R3K001      Study Director: Joe Ikley  
 Sponsor Contact: Dow - Sunil Tewari

Pest Type		W Weed	W Weed
Pest Code		AMAPA	AMAPA
Pest Name		Carelessweed	Carelessweed
Crop Code	ZEAMX		
Crop Name	Corn		
Part Rated	PLOT C	PLOT P	PLOT P
Rating Date	Jun-23-2016	Jun-23-2016	Jul-8-2016
Rating Type	PHYNEC	CONTRO	CONTRO
Rating Unit		%	%
Number of Subsamples	1	1	1
Days After First/Last Applic.	35 14	35 14	50 29
Trt-Eval Interval	14 DA-B	14 DA-B	29 DA-B
Days After Emergence	27 DE-1	27 DE-1	42 DE-1
ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code Plot	
		14	15
		16	
		406	0
		Mean =	0
2 RESICORE	2.5 qt/a A	102	0
		209	0
		313	0
		417	0
		Mean =	0
3 RESICORE	2.5 qt/a A	103	0
AATREX	1 qt/a A	218	0
		312	0
		404	0
		Mean =	0
4 ACURON	3 qt/a A	104	0
		211	0
		306	0
		407	0
		Mean =	0
5 CORVUS	5.6 fl oz/a A	105	0
AATREX	1 qt/a A	217	0
		315	0
		401	0
		Mean =	0
6 LUMAX EZ	3.25 qt/a A	106	0
		201	0
		303	0
		402	0
		Mean =	0
7 ZIDUA	2.125 oz/a A	107	0
AATREX	1 qt/a A	203	0
		305	0
		418	0
		Mean =	0
8 RESICORE	1.5 qt/a A	108	0
RESICORE	1.25 qt/a C	202	0
DURANGO DMA	1 qt/a C	308	0
N-PAK - AMS	2.5 % v/v C	403	0
		Mean =	0
9 RESICORE	1.5 qt/a A	109	0
RESICORE	1.25 qt/a C	213	0
AATREX	0.5 qt/a C	316	0
DURANGO DMA	1 qt/a C	412	0
N-PAK - AMS	2.5 % v/v C		
		Mean =	0
10 ACURON	1.5 qt/a A	110	0
ACURON	1.5 qt/a C	204	0
DURANGO DMA	1 qt/a C	309	0
N-PAK - AMS	2.5 % v/v C	410	0
		Mean =	0
			100
			99
			99
			100
			100

# Purdue Weed Science

## Resicore Programs to Control Palmer amaranth in Corn

Trial ID: 16S-MED-CORN-01      Location: Medaryville      Trial Year: 2016  
 Protocol ID: 16S-MED-CORN-01      Investigator: Dr. Bill Johnson  
 Project ID: NA16R3K001      Study Director: Joe Ikley  
 Sponsor Contact: Dow - Sunil Tewari

Pest Type			W Weed	W Weed
Pest Code			AMAPA	AMAPA
Pest Name			Carelessweed	Carelessweed
Crop Code	ZEAMX			
Crop Name	Corn			
Part Rated	PLOT C		PLOT P	PLOT P
Rating Date	Jun-23-2016		Jun-23-2016	Jul-8-2016
Rating Type	PHYNEC		CONTRO	CONTRO
Rating Unit			%	%
Number of Subsamples	1		1	1
Days After First/Last Applic.	35 14		35 14	50 29
Trt-Eval Interval	14 DA-B		14 DA-B	29 DA-B
Days After Emergence	27 DE-1		27 DE-1	42 DE-1
ARM Action Codes	P		P	P
Number of Decimals	0		0	0
Trt Treatment	Rate	Appl		
No. Name	Rate Unit	Code Plot	14	15
11 LUMAX EZ	1.5 qt/a	A 111	0	100
LUMAX EZ	1.5 qt/a	C 205	0	100
DURANGO DMA	1 qt/a	C 301	0	100
N-PAK - AMS	2.5 % v/v	C 416	0	100
		Mean =	0	100
12 RESICORE	1.25 qt/a	B 112	0	99
DURANGO DMA	1 qt/a	B 215	0	90
N-PAK - AMS	2.5 % v/v	B 314	0	95
		405	0	100
		Mean =	0	96
13 RESICORE	1.25 qt/a	B 113	0	100
AATREX	0.5 qt/a	B 212	0	100
DURANGO DMA	1 qt/a	B 317	0	100
N-PAK - AMS	2.5 % v/v	B 409	0	100
		Mean =	0	100
14 ACURON	1.5 qt/a	B 114	0	100
DURANGO DMA	1 qt/a	B 206	0	100
N-PAK - AMS	2.5 % v/v	B 310	0	100
		413	0	100
		Mean =	0	100
15 LUMAX EZ	1.5 qt/a	B 115	0	100
DURANGO DMA	1 qt/a	B 208	0	95
N-PAK - AMS	2.5 % v/v	B 318	0	100
		415	0	100
		Mean =	0	99
16 HALEX GT	3.6 pt/a	B 116	0	100
AATREX	0.5 qt/a	B 214	0	100
ACTIVATOR 90 - NIS	0.25 % v/v	B 311	0	100
N-PAK - AMS	2.5 % v/v	B 414	0	100
		Mean =	0	100
17 DURANGO DMA	1 qt/a	B 117	0	10
N-PAK - AMS	2.5 % v/v	B 207	0	0
		302	0	10
		408	0	15
		Mean =	0	9
18 Untreated Check		118	0	0
		210	0	0
		304	0	0
		411	0	0
		Mean =	0	0

# Purdue Weed Science

## Resicore Programs to Control Palmer amaranth in Corn

Trial ID: 16S-MED-CORN-01  
 Protocol ID: 16S-MED-CORN-01  
 Project ID: NA16R3K001

Location: Medaryville Trial Year: 2016  
 Investigator: Dr. Bill Johnson  
 Study Director: Joe Ikley  
 Sponsor Contact: Dow - Sunil Tewari

**Pest Type**  
 W, Weed, G-BYRW7, G-WedStg = Weed or volunteer crop  
**Pest Code**  
 AMAPA, Amaranthus palmeri, = US  
**Crop Code**  
 ZEAMX, BCOR, Zea mays, = US  
**Part Rated**  
 PLOT = plot  
 C = Crop is Part Rated  
 P = Pest is Part Rated  
**Rating Type**  
 PHYGEN = phytotoxicity - general / injury  
 PHYSTU = phytotoxicity - stunting  
 PHYCHL = phytotoxicity - chlorosis  
 PHYNEC = phytotoxicity - necrosis /burn  
 CONTRO = control / burndown or knockdown  
**Rating Unit**  
 % = percent  
**ARM Action Codes**  
 P = Rating scale of 0 to 100 (e.g. % control or injury)

Pest Type					W Weed AMAPA Carelessweed					
Pest Code										
Pest Name										
Crop Code	ZEAMX	ZEAMX	ZEAMX	ZEAMX		ZEAMX	ZEAMX			
Crop Name	Corn	Corn	Corn	Corn		Corn	Corn			
Part Rated	PLOT C	PLOT C	PLOT C	PLOT C	PLOT P	PLOT C	PLOT C			
Rating Date	Jun-9-2016	Jun-9-2016	Jun-9-2016	Jun-9-2016	Jun-9-2016	Jun-16-2016	Jun-16-2016			
Rating Type	PHYGEN	PHYSTU	PHYCHL	PHYNEC	CONTRO	PHYGEN	PHYSTU			
Rating Unit	%	%	%	%	%	%	%			
Number of Subsamples	1	1	1	1	1	1	1			
Days After First/Last Applic.	21 21	21 21	21 21	21 21	21 21	28 7	28 7			
Trt-Eval Interval	0 DA-B	0 DA-B	0 DA-B	0 DA-B	0 DA-B	7 DA-B	7 DA-B			
Days After Emergence	13 DE-1	13 DE-1	13 DE-1	13 DE-1	13 DE-1	20 DE-1	20 DE-1			
ARM Action Codes	P	P	P	P	P	P	P			
Number of Decimals	0	0	0	0	0	0	0			
Trt Treatment	Rate	Appl								
No. Name	Rate	Unit	Code	1	2	3	4	5	6	7
1 Untreated Check				0 -	0 -	0 -	0 -	0 c	0 -	0 -
2 RESICORE	2.5 qt/a	A		0 -	0 -	0 -	0 -	100 a	0 -	0 -
3 RESICORE AATREX	2.5 qt/a 1 qt/a	A A		0 -	0 -	0 -	0 -	100 a	0 -	0 -
4 ACURON	3 qt/a	A		0 -	0 -	0 -	0 -	99 a	0 -	0 -
5 CORVUS AATREX	5.6 fl oz/a 1 qt/a	A A		0 -	0 -	0 -	0 -	100 a	0 -	0 -
6 LUMAX EZ	3.25 qt/a	A		0 -	0 -	0 -	0 -	98 ab	0 -	0 -
7 ZIDUA AATREX	2.125 oz/a 1 qt/a	A A		0 -	0 -	0 -	0 -	98 ab	0 -	0 -
8 RESICORE RESICORE DURANGO DMA N-PAK - AMS	1.5 qt/a 1.25 qt/a 1 qt/a 2.5 % v/v	A C C C		0 -	0 -	0 -	0 -	100 a	0 -	0 -
9 RESICORE RESICORE AATREX DURANGO DMA N-PAK - AMS	1.5 qt/a 1.25 qt/a 0.5 qt/a 1 qt/a 2.5 % v/v	A C C C C		0 -	0 -	0 -	0 -	99 a	0 -	0 -
10 ACURON ACURON DURANGO DMA N-PAK - AMS	1.5 qt/a 1.5 qt/a 1 qt/a 2.5 % v/v	A C C C		0 -	0 -	0 -	0 -	98 ab	5 -	0 -
11 LUMAX EZ LUMAX EZ DURANGO DMA N-PAK - AMS	1.5 qt/a 1.5 qt/a 1 qt/a 2.5 % v/v	A C C C		0 -	0 -	0 -	0 -	95 b	0 -	0 -

# Purdue Weed Science

## Resicore Programs to Control Palmer amaranth in Corn

Trial ID: 16S-MED-CORN-01  
 Protocol ID: 16S-MED-CORN-01  
 Project ID: NA16R3K001

Location: Medaryville Trial Year: 2016  
 Investigator: Dr. Bill Johnson  
 Study Director: Joe Ikley  
 Sponsor Contact: Dow - Sunil Tewari

Pest Type Pest Code Pest Name					W Weed AMAPA Carelessweed		
Crop Code Crop Name Part Rated Rating Date	ZEAMX Corn PLOT C Jun-9-2016	ZEAMX Corn PLOT C Jun-9-2016	ZEAMX Corn PLOT C Jun-9-2016	ZEAMX Corn PLOT C Jun-9-2016	PLOT P Jun-9-2016	ZEAMX Corn PLOT C Jun-16-2016	ZEAMX Corn PLOT C Jun-16-2016
Rating Type Rating Unit Number of Subsamples Days After First/Last Applic. Trt-Eval Interval Days After Emergence ARM Action Codes Number of Decimals	PHYGEN % 1 21 21 0 DA-B 13 DE-1 P 0	PHYSTU % 1 21 21 0 DA-B 13 DE-1 P 0	PHYCHL % 1 21 21 0 DA-B 13 DE-1 P 0	PHYNEC % 1 21 21 0 DA-B 13 DE-1 P 0	CONTRO % 1 21 21 0 DA-B 13 DE-1 P 0	PHYGEN % 1 28 7 7 DA-B 20 DE-1 P 0	PHYSTU % 1 28 7 7 DA-B 20 DE-1 P 0
Trt Treatment No. Name Rate Unit Appl Code	1	2	3	4	5	6	7
12 RESICORE DURANGO DMA N-PAK - AMS	0 -	0 -	0 -	0 -	0 c	0 -	0 -
13 RESICORE AATREX DURANGO DMA N-PAK - AMS	0 -	0 -	0 -	0 -	0 c	0 -	0 -
14 ACURON DURANGO DMA N-PAK - AMS	0 -	0 -	0 -	0 -	0 c	5 -	0 -
15 LUMAX EZ DURANGO DMA N-PAK - AMS	0 -	0 -	0 -	0 -	0 c	0 -	0 -
16 HALEX GT AATREX ACTIVATOR 90 - NIS N-PAK - AMS	0 -	0 -	0 -	0 -	0 c	0 -	0 -
17 DURANGO DMA N-PAK - AMS	0 -	0 -	0 -	0 -	0 c	0 -	0 -
18 Untreated Check	0 -	0 -	0 -	0 -	0 c	0 -	0 -
LSD P=.05	.	.	.	.	2.5	.	.
Standard Deviation	0.0	0.0	0.0	0.0	1.7	0.0	0.0
CV	0.0	0.0	0.0	0.0	3.18	0.0	0.0
Bartlett's X2	0.0	0.0	0.0	0.0	1.05	0.0	0.0
P(Bartlett's X2)	.	.	.	.	0.958	.	.
Skewness	.	.	.	.	-0.2239	2.5278*	.
Kurtosis	.	.	.	.	-2.0004*	4.5147*	.
Replicate F	0.000	0.000	0.000	0.000	0.919	0.000	0.000
Replicate Prob(F)	1.0000	1.0000	1.0000	1.0000	0.4384	1.0000	1.0000
Treatment F	0.000	0.000	0.000	0.000	3358.352	0.000	0.000
Treatment Prob(F)	1.0000	1.0000	1.0000	1.0000	0.0001	1.0000	1.0000

# Purdue Weed Science

## Resicore Programs to Control Palmer amaranth in Corn

Trial ID: 16S-MED-CORN-01  
 Protocol ID: 16S-MED-CORN-01  
 Project ID: NA16R3K001

Location: Medaryville Trial Year: 2016  
 Investigator: Dr. Bill Johnson  
 Study Director: Joe Ikley  
 Sponsor Contact: Dow - Sunil Tewari

Pest Type Pest Code Pest Name			W Weed AMAPA Carelessweed							
Crop Code Crop Name Part Rated Rating Date	ZEAMX Corn PLOT C Jun-16-2016	ZEAMX Corn PLOT C Jun-16-2016	PLOT P Jun-16-2016	ZEAMX Corn PLOT C Jun-23-2016	ZEAMX Corn PLOT C Jun-23-2016	ZEAMX Corn PLOT C Jun-23-2016	ZEAMX Corn PLOT C Jun-23-2016	ZEAMX Corn PLOT C Jun-23-2016	ZEAMX Corn PLOT C Jun-23-2016	
Rating Type Rating Unit Number of Subsamples Days After First/Last Applic. Trt-Eval Interval Days After Emergence ARM Action Codes Number of Decimals	PHYCHL 1 28 7 7 DA-B 20 DE-1 P 0	PHYNEC 1 28 7 7 DA-B 20 DE-1 P 0	CONTRO % 1 28 7 7 DA-B 20 DE-1 P 0	PHYGEN % 1 35 14 14 DA-B 27 DE-1 P 0	PHYSTU 1 35 14 14 DA-B 27 DE-1 P 0	PHYCHL 1 35 14 14 DA-B 27 DE-1 P 0	PHYNEC 1 35 14 14 DA-B 27 DE-1 P 0	PHYCHL 1 35 14 14 DA-B 27 DE-1 P 0	PHYNEC 1 35 14 14 DA-B 27 DE-1 P 0	
Trt Treatment No. Name	Rate	Unit	Appl Code	8	9	10	11	12	13	14
1 Untreated Check				0 -	0 -	0 d	0 c	0 -	0 c	0 -
2 RESICORE	2.5 qt/a	A		0 -	0 -	96 ab	0 c	0 -	0 c	0 -
3 RESICORE AATREX	2.5 qt/a 1 qt/a	A A		0 -	0 -	99 a	0 c	0 -	0 c	0 -
4 ACURON	3 qt/a	A		0 -	0 -	91 ab	0 c	0 -	0 c	0 -
5 CORVUS AATREX	5.6 fl oz/a 1 qt/a	A A		0 -	0 -	95 ab	0 c	0 -	0 c	0 -
6 LUMAX EZ	3.25 qt/a	A		0 -	0 -	88 ab	0 c	0 -	0 c	0 -
7 ZIDUA AATREX	2.125 oz/a 1 qt/a	A A		0 -	0 -	86 b	0 c	0 -	0 c	0 -
8 RESICORE RESICORE DURANGO DMA N-PAK - AMS	1.5 qt/a 1.25 qt/a 1 qt/a 2.5 % v/v	A C C C		0 -	0 -	99 a	0 c	0 -	0 c	0 -
9 RESICORE RESICORE AATREX DURANGO DMA N-PAK - AMS	1.5 qt/a 1.25 qt/a 0.5 qt/a 1 qt/a 2.5 % v/v	A C C C C		0 -	0 -	100 a	0 c	0 -	0 c	0 -
10 ACURON ACURON DURANGO DMA N-PAK - AMS	1.5 qt/a 1.5 qt/a 1 qt/a 2.5 % v/v	A C C C		5 -	0 -	100 a	5 a	0 -	5 a	0 -
11 LUMAX EZ LUMAX EZ DURANGO DMA N-PAK - AMS	1.5 qt/a 1.5 qt/a 1 qt/a 2.5 % v/v	A C C C		0 -	0 -	100 a	0 c	0 -	0 c	0 -

# Purdue Weed Science

## Resicore Programs to Control Palmer amaranth in Corn

Trial ID: 16S-MED-CORN-01  
 Protocol ID: 16S-MED-CORN-01  
 Project ID: NA16R3K001

Location: Medaryville Trial Year: 2016  
 Investigator: Dr. Bill Johnson  
 Study Director: Joe Ikley  
 Sponsor Contact: Dow - Sunil Tewari

Pest Type Pest Code Pest Name			W Weed AMAPA Carelessweed						
Crop Code Crop Name Part Rated Rating Date	ZEAMX Corn PLOT C Jun-16-2016	ZEAMX Corn PLOT C Jun-16-2016	PLOT P Jun-16-2016	ZEAMX Corn PLOT C Jun-23-2016	ZEAMX Corn PLOT C Jun-23-2016	ZEAMX Corn PLOT C Jun-23-2016	ZEAMX Corn PLOT C Jun-23-2016		
Rating Type Rating Unit Number of Subsamples Days After First/Last Applic. Trt-Eval Interval Days After Emergence ARM Action Codes Number of Decimals	PHYCHL 1 28 7 7 DA-B 20 DE-1 P 0	PHYNEC 1 28 7 7 DA-B 20 DE-1 P 0	CONTRO % 1 28 7 7 DA-B 20 DE-1 P 0	PHYGEN % 1 35 14 14 DA-B 27 DE-1 P 0	PHYSTU 1 35 14 14 DA-B 27 DE-1 P 0	PHYCHL 1 35 14 14 DA-B 27 DE-1 P 0	PHYNEC 1 35 14 14 DA-B 27 DE-1 P 0		
Trt Treatment No. Name	Rate	Appl Unit Code	8	9	10	11	12	13	14
12 RESICORE DURANGO DMA N-PAK - AMS	1.25 qt/a 1 qt/a 2.5 % v/v	B B B	0 -	0 -	98 a	0 c	0 -	0 c	0 -
13 RESICORE AATREX DURANGO DMA N-PAK - AMS	1.25 qt/a 0.5 qt/a 1 qt/a 2.5 % v/v	B B B B	0 -	0 -	100 a	0 c	0 -	0 c	0 -
14 ACURON DURANGO DMA N-PAK - AMS	1.5 qt/a 1 qt/a 2.5 % v/v	B B B	5 -	0 -	99 a	4 b	0 -	4 b	0 -
15 LUMAX EZ DURANGO DMA N-PAK - AMS	1.5 qt/a 1 qt/a 2.5 % v/v	B B B	0 -	0 -	100 a	0 c	0 -	0 c	0 -
16 HALEX GT AATREX ACTIVATOR 90 - NIS N-PAK - AMS	3.6 pt/a 0.5 qt/a 0.25 % v/v 2.5 % v/v	B B B B	0 -	0 -	100 a	0 c	0 -	0 c	0 -
17 DURANGO DMA N-PAK - AMS	1 qt/a 2.5 % v/v	B B	0 -	0 -	15 c	0 c	0 -	0 c	0 -
18 Untreated Check			0 -	0 -	0 d	0 c	0 -	0 c	0 -
LSD P=.05					7.6	0.8		0.8	
Standard Deviation			0.0	0.0	5.3	0.6	0.0	0.6	0.0
CV			0.0	0.0	6.56	121.22	0.0	121.22	0.0
Bartlett's X2			0.0	0.0	37.21	0.0	0.0	0.0	0.0
P(Bartlett's X2)					0.001*				
Skewness			2.5278*		-1.7504*	2.7773*		2.7773*	
Kurtosis			4.5147*		1.2824*	5.8758*		5.8758*	
Replicate F			0.000	0.000	1.330	1.000	0.000	1.000	0.000
Replicate Prob(F)			1.0000	1.0000	0.2749	0.4005	1.0000	0.4005	1.0000
Treatment F			0.000	0.000	177.140	23.588	0.000	23.588	0.000
Treatment Prob(F)			1.0000	1.0000	0.0001	0.0001	1.0000	0.0001	1.0000



# Purdue Weed Science

## Resicore Programs to Control Palmer amaranth in Corn

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Protocol ID: 16S-MED-CORN-01	Investigator: Dr. Bill Johnson
Project ID: NA16R3K001	Study Director: Joe Ikley
	Sponsor Contact: Dow - Sunil Tewari

Pest Type				W Weed	W Weed
Pest Code				AMAPA	AMAPA
Pest Name				Carelessweed	Carelessweed
Crop Code					
Crop Name					
Part Rated				PLOT P	PLOT P
Rating Date				Jun-23-2016	Jul-8-2016
Rating Type				CONTRO	CONTRO
Rating Unit				%	%
Number of Subsamples				1	1
Days After First/Last Applic.				35 14	50 29
Trt-Eval Interval				14 DA-B	29 DA-B
Days After Emergence				27 DE-1	42 DE-1
ARM Action Codes				P	P
Number of Decimals				0	0
Trt No.	Treatment Name	Rate	Appl Unit	Code	
1	Untreated Check				0 d
2	RESICORE	2.5 qt/a	A		89 ab
3	RESICORE	2.5 qt/a	A		93 ab
	AATREX	1 qt/a	A		89 ab
4	ACURON	3 qt/a	A		79 bc
5	CORVUS	5.6 fl oz/a	A		83 ab
	AATREX	1 qt/a	A		75 abc
6	LUMAX EZ	3.25 qt/a	A		79 bc
7	ZIDUA	2.125 oz/a	A		66 c
	AATREX	1 qt/a	A		61 c
8	RESICORE	1.5 qt/a	A		99 a
	RESICORE	1.25 qt/a	C		98 a
	DURANGO DMA	1 qt/a	C		
	N-PAK - AMS	2.5 % v/v	C		
9	RESICORE	1.5 qt/a	A		100 a
	RESICORE	1.25 qt/a	C		
	AATREX	0.5 qt/a	C		
	DURANGO DMA	1 qt/a	C		
	N-PAK - AMS	2.5 % v/v	C		
10	ACURON	1.5 qt/a	A		100 a
	ACURON	1.5 qt/a	C		
	DURANGO DMA	1 qt/a	C		
	N-PAK - AMS	2.5 % v/v	C		
11	LUMAX EZ	1.5 qt/a	A		100 a
	LUMAX EZ	1.5 qt/a	C		99 a
	DURANGO DMA	1 qt/a	C		
	N-PAK - AMS	2.5 % v/v	C		

# Purdue Weed Science

## Resicore Programs to Control Palmer amaranth in Corn

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 Protocol ID: 16S-MED-CORN-01      Investigator: Dr. Bill Johnson  
 Project ID: NA16R3K001      Study Director: Joe Ikley  
 Sponsor Contact: Dow - Sunil Tewari

Pest Type		W Weed	W Weed
Pest Code		AMAPA	AMAPA
Pest Name		Carelessweed	Carelessweed
Crop Code			
Crop Name			
Part Rated		PLOT P	PLOT P
Rating Date		Jun-23-2016	Jul-8-2016
Rating Type		CONTRO	CONTRO
Rating Unit		%	%
Number of Subsamples		1	1
Days After First/Last Applic.		35 14	50 29
Trt-Eval Interval		14 DA-B	29 DA-B
Days After Emergence		27 DE-1	42 DE-1
ARM Action Codes		P	P
Number of Decimals		0	0
Trt Treatment	Rate	Appl	
No. Name	Rate Unit Code		
12 RESICORE	1.25 qt/a B		15
DURANGO DMA	1 qt/a B		16
N-PAK - AMS	2.5 % v/v B		
13 RESICORE	1.25 qt/a B		96 ab
AATREX	0.5 qt/a B		92 a
DURANGO DMA	1 qt/a B		
N-PAK - AMS	2.5 % v/v B		
14 ACURON	1.5 qt/a B		100 a
DURANGO DMA	1 qt/a B		100 a
N-PAK - AMS	2.5 % v/v B		
15 LUMAX EZ	1.5 qt/a B		100 a
DURANGO DMA	1 qt/a B		99 a
N-PAK - AMS	2.5 % v/v B		
16 HALEX GT	3.6 pt/a B		100 a
AATREX	0.5 qt/a B		100 a
ACTIVATOR 90 - NIS	0.25 % v/v B		
N-PAK - AMS	2.5 % v/v B		
17 DURANGO DMA	1 qt/a B		9 d
N-PAK - AMS	2.5 % v/v B		13 d
18 Untreated Check			0 d
LSD P=.05			11.9
Standard Deviation			8.4
CV			10.89
Bartlett's X2			30.791
P(Bartlett's X2)			0.001*
Skewness			-1.5037*
Kurtosis			0.6077
Replicate F			15.0
Replicate Prob(F)			10.6
Treatment F			78.016
Treatment Prob(F)			0.001*
			43.241
			0.0001

## Purdue Weed Science

### Resicore Programs to Control Palmer amaranth in Corn

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Location: Medaryville Trial Year: 2016  
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#### Pest Type

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

#### Pest Code

AMAPA, Amaranthus palmeri, = US

#### Crop Code

ZEAMX, BCOR, Zea mays, = US

#### Part Rated

PLOT = plot

C = Crop is Part Rated

P = Pest is Part Rated

#### Rating Type

PHYGEN = phytotoxicity - general / injury

PHYSTU = phytotoxicity - stunting

PHYCHL = phytotoxicity - chlorosis

PHYNEC = phytotoxicity - necrosis /burn

CONTRO = control / burndown or knockdown

#### Rating Unit

% = percent

#### ARM Action Codes

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