

# Purdue Weed Science

## FeXapan in No-till 2 pass programs for RR2X Soybeans

Trial ID: 17S-MGS-Soy-14      Location: Meigs      Trial Year: 2017  
 Protocol ID: 17S-MGS-Soy-14      Investigator: Dr. Bill Johnson  
 Project ID: US 130/17/01:USA-17-130      Study Director: Taylor Campbell  
 Sponsor Contact: DuPont - Kelly Backscheider

### General Trial Information

**Study Director:** Taylor Campbell  
**Investigator:** Dr. Bill Johnson

**Discipline:** H herbicide  
**Trial Status:** E established  
**Initiation Date:** 4/17/2017

### Trial Location

**City:** Lafayette      **Country:** USA United States  
**State/Prov.:** Indiana  
**Postal Code:** 47909

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

### Contacts

**Study Director:** Taylor Campbell  
**Organization:** Purdue University  
**Address:** 915 W State Street  
**City+State/Prov:** West Lafayette, IN  
**Postal Code:** 47907  
**Country:** USA United States

**Investigator:** Dr. Bill Johnson  
**Organization:** Purdue University  
**Address:** 915 W State Street  
**City+State/Prov:** West Lafayette, IN  
**Postal Code:** 47907  
**Country:** USA United States

**Cooperator:** Jay Young  
**Organization:** Purdue University  
**Address 1:** 8343 US 231 S  
**City:** Lafayette  
**State/Prov:** IN  
**Postal Code:** 47909  
**Country:** USA United States

**Cooperator/Landowner**  
**Role:** Superintendent

**Phone No.:** 765-538-3422  
**Fax No.:** 765-538-3423

**E-mail:** jayyoung@purdue.edu

### Crop Description

**Crop 1:** GLXMA Glycine max Soybean  
**Variety:** P33T19X

**Planting Rate, Unit:** 140000 S/A  
**Depth, Unit:** 1 IN  
**Row Spacing, Unit:** 30 IN  
**Planting Density, Unit:** 140000 S/A  
**Soil Temperature, Unit:** 70 F  
**Soil Moisture:** DAMP damp

**Planting Date:** 5/30/2017  
**Planting Method:** PLANTD planted  
**Planting Equipment:** PP Plot Planter  
**Emergence Date:** 6/4/2017

### Pest Description

**Pest 1 Type:** W **Code:** AMATA Amaranthus tamariscinus  
**Common Name:** Common waterhemp

**Site and Design**

Treated Plot Width: 6.67 FT

Treated Plot Length: 25 FT

Treated Plot Area: 166.75 FT<sup>2</sup> Treatments: 10

Replications: 4

Site Type: FIELD field

Experimental Unit: 1 PLOT plot

Tillage Type: NOTILL no-till

Study Design: RACOB L Randomized Complete Block (RCB)

**Maintenance**

No.	Date	Type	Maintenance Product Name	Form Conc	Form Unit	Form Type	Rate	Rate Unit
1.	4/13/2017	HERB	ROUNDUP POWERMAX	4.5	LBAE/GA	SL	32	FL OZ/A
2.	4/13/2017	HERB	SHREDDER 2,4-D LV4	3.8	LBAE/GA	SL	1	PT/A
3.	4/13/2017	ADJ	N-PAK	3.4	LBA/GAL	L	2.5	% V/V
4.	5/22/2017	HERB	GRAMOXONE SL	2	LBAE/GA	SL	4	PT/A
5.	5/22/2017	ADJ	COC	100	%	SL	1	% V/V
6.	5/29/2017	HERB	GRAMOXONE SL	2	LBAE/GA	SL	3	PT/A
7.	5/29/2017	ADJ	COC	100	%	SL	1	% V/V

**Field Prep./Maintenance:**

The trial area was cleaned in early spring with glyphosate and 2,4-D to encourage germination of waterhemp. Paraquat was sprayed twice before planting to keep the trial clean at planting.

**Soil Description**

Description Name: MGS-S3

% Sand: 40.7

% OM: 2.3

Texture: L

loam

% Silt: 38.6

pH: 6.5

Soil Name: Starks-Fincastle complex

% Clay: 20.7

CEC: 14.3

Fert. Level: G

good

**Application Description**

	A	B
Application Date:	5/15/2017	6/24/2017
Appl. Start Time:	11:55 AM	11:30 AM
Appl. Stop Time:	12:33 PM	12:00 PM
Application Method:	SPRAY	SPRAY
Application Timing:	EARPRE	POSPOS
Application Placement:	BROADC	BROADC
Applied By:	T. Campbell	T. Campbell
Air Temperature, Unit:	78 F	70 F
% Relative Humidity:	56	81
Wind Velocity, Unit:	3 MPH	4 MPH
Wind Direction:	E	SW
Dew Presence (Y/N):	N no	N no
Soil Temperature, Unit:	60 F	64 F
Soil Moisture:	SLIWET	SLIWET
% Cloud Cover:	40	60

**Crop Stage At Each Application**

	A	B
Crop 1 Code, BBCH Scale:	GLXMA BSOY	GLXMA BSOY
Stage Scale Used:		BBCH
Stage Majority, Percent:		13
Stage Minimum, Percent:		12
Stage Maximum, Percent:		14
Height, Unit:		8 IN
Height Minimum, Maximum:		8 10

**Pest Stage At Each Application**

	<b>A</b>	<b>B</b>
<b>Pest 1 Code, Type, Scale:</b>	AMATA W	AMATA W
<b>Stage Majority, Percent:</b>	10	16
<b>Stage Minimum, Percent:</b>	10	15
<b>Stage Maximum, Percent:</b>	11	17
<b>Height, Unit:</b>	0.5 IN	4 IN
<b>Height Minimum, Maximum:</b>	0.25 1	2 6
<b>Density, Unit:</b>	10 FT2	5 FT2

**Application Equipment**

	<b>A</b>	<b>B</b>
<b>Appl. Equipment:</b>	CO2 BACKPACK	CO2 BACKPACK
<b>Equipment Type:</b>	BACCAI	BACCAI
<b>Operation Pressure, Unit:</b>	43 PSI	43 PSI
<b>Nozzle Type:</b>	AIXR	TTI
<b>Nozzle Size:</b>	11015	11015
<b>Nozzle Spacing, Unit:</b>	20 IN	20 IN
<b>Nozzles/Row:</b>	4	4
<b>Boom Length, Unit:</b>	6.67 FT	6.7 FT
<b>Boom Height, Unit:</b>	18 IN	25 IN
<b>Ground Speed, Unit:</b>	3 MPH	3 MPH
<b>Carrier:</b>	WATER	
<b>Spray Volume, Unit:</b>	15 GAL/AC	15 GAL/AC
<b>Mix Size, Unit:</b>	945 mL	945 mL
<b>Propellant:</b>	COMCO2	COMCO2

<b>Date</b>	<b>By</b>	<b>Notes</b>
6/24/2017	T. Campbell	Plot 302 was double sprayed and 402 was not sprayed

# Purdue Weed Science

<b>FeXapan in No-till 2 pass programs for RR2X Soybeans</b>			
Trial ID: 17S-MGS-Soy-14	Location: Meigs	Trial Year: 2017	
Protocol ID: 17S-MGS-Soy-14	Investigator: Dr. Bill Johnson		
Project ID: US 130/17/01:USA-17-130	Study Director: Taylor Campbell		
Sponsor Contact: DuPont - Kelly Backscheider			

Reps: 4                      Plots: 6.67 by 25 feet  
 Spray vol: 15 GAL/AC                      Mix Size: 945 mL (869.45 mL calculated mix size)

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate	Growth Stage	Appl Code	Amt Product to Measure	Rep 1	2	3	4
1	TRIVENCE @ 8 OZ								101	304	406	601
	VALOR SX	51 %		WG	2 oz/a	7-14 DBP	A	0.9436 g/mx				
	CLASSIC	25 %		WG	1.28 oz/a	7-14 DBP	A	0.6039 g/mx				
	TRICOR	75 %		DF	4.75 oz/a	7-14 DBP	A	2.241 g/mx				
	ABUNDIT EDGE	4.5 LB/GAL		SL	32 fl oz/a	7-14 DBP	A	15.75 ml/mx				
	FEXAPAN	2.9 LBAE/GAL		SL	22 fl oz/a	7-14 DBP	A	10.83 ml/mx				
	ABUNDIT EDGE	4.5 LB/GAL		SL	32 fl oz/a	2-4" WEEDS	B	15.75 ml/mx				
	FEXAPAN	2.9 LBAE/GAL		SL	22 fl oz/a	2-4" WEEDS	B	10.83 ml/mx				
2	TRIVENCE @ 8 OZ								102	302	501	603
	VALOR SX	51 %		WG	2 oz/a	7-14 DBP	A	0.9436 g/mx				
	CLASSIC	25 %		WG	1.28 oz/a	7-14 DBP	A	0.6039 g/mx				
	TRICOR	75 %		DF	4.75 oz/a	7-14 DBP	A	2.241 g/mx				
	ABUNDIT EDGE	4.5 LB/GAL		SL	32 fl oz/a	7-14 DBP	A	15.75 ml/mx				
	FEXAPAN	2.9 LBAE/GAL		SL	22 fl oz/a	7-14 DBP	A	10.83 ml/mx				
	ABUNDIT EDGE	4.5 LB/GAL		SL	32 fl oz/a	2-4" WEEDS	B	15.75 ml/mx				
	FEXAPAN	2.9 LBAE/GAL		SL	22 fl oz/a	2-4" WEEDS	B	10.83 ml/mx				
CINCH	7.64 LB/GAL		EC	1 pt/a	2-4" WEEDS	B	7.875 ml/mx					
3	ENVIVE @ 3.5 OZ								103	301	405	604
	VALOR SX	51 %		WG	2 oz/a	7-14 DBP	A	0.9436 g/mx				
	CLASSIC	25 %		WG	1.28 oz/a	7-14 DBP	A	0.6039 g/mx				
	HARMONY SG	50 %		SG	0.2 oz/a	7-14 DBP	A	.09436 g/mx				
	ABUNDIT EDGE	4.5 LB/GAL		SL	32 fl oz/a	7-14 DBP	A	15.75 ml/mx				
	FEXAPAN	2.9 LBAE/GAL		SL	22 fl oz/a	7-14 DBP	A	10.83 ml/mx				
	ABUNDIT EDGE	4.5 LB/GAL		SL	32 fl oz/a	2-4" WEEDS	B	15.75 ml/mx				
	FEXAPAN	2.9 LBAE/GAL		SL	22 fl oz/a	2-4" WEEDS	B	10.83 ml/mx				
4	ENVIVE @ 3.5 OZ								104	303	502	505
	VALOR SX	51 %		WG	2 oz/a	7-14 DBP	A	0.9436 g/mx				
	CLASSIC	25 %		WG	1.28 oz/a	7-14 DBP	A	0.6039 g/mx				
	HARMONY SG	50 %		SG	0.2 oz/a	7-14 DBP	A	.09436 g/mx				
	ABUNDIT EDGE	4.5 LB/GAL		SL	32 fl oz/a	7-14 DBP	A	15.75 ml/mx				
	FEXAPAN	2.9 LBAE/GAL		SL	22 fl oz/a	7-14 DBP	A	10.83 ml/mx				
	ABUNDIT EDGE	4.5 LB/GAL		SL	32 fl oz/a	2-4" WEEDS	B	15.75 ml/mx				
	FEXAPAN	2.9 LBAE/GAL		SL	22 fl oz/a	2-4" WEEDS	B	10.83 ml/mx				
CINCH	7.64 LB/GAL		EC	1 pt/a	2-4" WEEDS	B	7.875 ml/mx					
5	CANOPY	75 %		DG	6 oz/a	7-14 DBP	A	2.831 g/mx	105	306	402	602
	CINCH	7.64 LB/GAL		EC	1 pt/a	7-14 DBP	A	7.875 ml/mx				
	ABUNDIT EDGE	4.5 LB/GAL		SL	32 fl oz/a	7-14 DBP	A	15.75 ml/mx				
	FEXAPAN	2.9 LBAE/GAL		SL	22 fl oz/a	7-14 DBP	A	10.83 ml/mx				
	ABUNDIT EDGE	4.5 LB/GAL		SL	32 fl oz/a	2-4" WEEDS	B	15.75 ml/mx				
	FEXAPAN	2.9 LBAE/GAL		SL	22 fl oz/a	2-4" WEEDS	B	10.83 ml/mx				
6	CANOPY	75 %		DG	6 oz/a	7-14 DBP	A	2.831 g/mx	106	305	403	605
	CINCH	7.64 LB/GAL		EC	1 pt/a	7-14 DBP	A	7.875 ml/mx				
	ABUNDIT EDGE	4.5 LB/GAL		SL	32 fl oz/a	7-14 DBP	A	15.75 ml/mx				
	FEXAPAN	2.9 LBAE/GAL		SL	22 fl oz/a	7-14 DBP	A	10.83 ml/mx				
	ABUNDIT EDGE	4.5 LB/GAL		SL	32 fl oz/a	2-4" WEEDS	B	15.75 ml/mx				
	FEXAPAN	2.9 LBAE/GAL		SL	22 fl oz/a	2-4" WEEDS	B	10.83 ml/mx				
CINCH	7.64 LB/GAL		EC	1 pt/a	2-4" WEEDS	B	7.875 ml/mx					
7	ZIDUA PRO	4.09 LB/GAL		SC	6 oz/a	7-14 DBP	A	2.953 ml/mx	107	204	407	506
	ABUNDIT EDGE	4.5 LB/GAL		SL	32 fl oz/a	7-14 DBP	A	15.75 ml/mx				
	FEXAPAN	2.9 LBAE/GAL		SL	22 fl oz/a	7-14 DBP	A	10.83 ml/mx				
	ABUNDIT EDGE	4.5 LB/GAL		SL	32 fl oz/a	2-4" WEEDS	B	15.75 ml/mx				
	FEXAPAN	2.9 LBAE/GAL		SL	22 fl oz/a	2-4" WEEDS	B	10.83 ml/mx				
8	UNTREATED								201	205	404	507

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate Rate	Rate Unit	Growth Stage	Appl Code	Amt to Measure	Product	Rep 1	2	3	4
800	CANOPY	75 %		DG	3.5 oz/a		7-14 DBP	A	1.651 g/mx		202	207	401	503
	CINCH	7.64 LB/GAL		EC	1 pt/a		7-14 DBP	A	7.875 ml/mx					
	ABUNDIT EDGE	4.5 LB/GAL		SL	32 fl oz/a		7-14 DBP	A	15.75 ml/mx					
	FEXAPAN	2.9 LBAE/GAL		SL	22 fl oz/a		7-14 DBP	A	10.83 ml/mx					
	ABUNDIT EDGE	4.5 LB/GAL		SL	32 fl oz/a		2-4" WEEDS	B	15.75 ml/mx					
	FEXAPAN	2.9 LBAE/GAL		SL	22 fl oz/a		2-4" WEEDS	B	10.83 ml/mx					
801	CANOPY	75 %		DG	3.5 oz/a		7-14 DBP	A	1.651 g/mx		203	206	307	504
	CINCH	7.64 LB/GAL		EC	1 pt/a		7-14 DBP	A	7.875 ml/mx					
	ABUNDIT EDGE	4.5 LB/GAL		SL	32 fl oz/a		7-14 DBP	A	15.75 ml/mx					
	FEXAPAN	2.9 LBAE/GAL		SL	22 fl oz/a		7-14 DBP	A	10.83 ml/mx					
	ABUNDIT EDGE	4.5 LB/GAL		SL	32 fl oz/a		2-4" WEEDS	B	15.75 ml/mx					
	FEXAPAN	2.9 LBAE/GAL		SL	22 fl oz/a		2-4" WEEDS	B	10.83 ml/mx					
	CINCH	7.64 LB/GAL		EC	1 pt/a		2-4" WEEDS	B	7.875 ml/mx					

Sort Order: Replicate 1

# Purdue Weed Science

## FeXapan in No-till 2 pass programs for RR2X Soybeans

Trial ID: 17S-MGS-Soy-14	Location: Meigs	Trial Year: 2017
Protocol ID: 17S-MGS-Soy-14	Investigator: Dr. Bill Johnson	
Project ID: US 130/17/01:USA-17-130	Study Director: Taylor Campbell	
Sponsor Contact: DuPont - Kelly Backscheider		

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	AMATA	AMATA		AMATA
Pest Name	Common waterhe>	Common waterhe>		Common waterhe>
Crop Code			GLXMA	
Crop Name			Soybean	
Rating Date	5/30/2017	6/12/2017	6/12/2017	6/24/2017
Rating Type	CONTRO	CONTRO	PHYGEN	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Assessed By	T. Campbell	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	15 15	28 28	28 28	40 40
Trt-Eval Interval	15 DA-A	28 DA-A	28 DA-A	40 DA-A
Days After Emergence	-5 DE-1	8 DE-1	8 DE-1	20 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	1	2
1 TRIVENCE @ 8 OZ		101	100	100
VALOR SX	2 oz/a A	304	100	95
CLASSIC	1.28 oz/a A	406	100	90
TRICOR	4.75 oz/a A	601	100	95
ABUNDIT EDGE	32 fl oz/a A			
FEXAPAN	22 fl oz/a A			
ABUNDIT EDGE	32 fl oz/a B			
FEXAPAN	22 fl oz/a B			
Mean =			100	95
2 TRIVENCE @ 8 OZ		102	100	100
VALOR SX	2 oz/a A	302	100	95
CLASSIC	1.28 oz/a A	501	100	90
TRICOR	4.75 oz/a A	603	100	85
ABUNDIT EDGE	32 fl oz/a A			
FEXAPAN	22 fl oz/a A			
ABUNDIT EDGE	32 fl oz/a B			
FEXAPAN	22 fl oz/a B			
CINCH	1 pt/a B			
Mean =			100	93
3 ENVIVE @ 3.5 OZ		103	100	100
VALOR SX	2 oz/a A	301	100	100
CLASSIC	1.28 oz/a A	405	100	90
HARMONY SG	0.2 oz/a A	604	100	90
ABUNDIT EDGE	32 fl oz/a A			
FEXAPAN	22 fl oz/a A			
ABUNDIT EDGE	32 fl oz/a B			
FEXAPAN	22 fl oz/a B			
Mean =			100	95
4 ENVIVE @ 3.5 OZ		104	100	98
VALOR SX	2 oz/a A	303	100	90
CLASSIC	1.28 oz/a A	502	100	90
HARMONY SG	0.2 oz/a A	505	100	85
ABUNDIT EDGE	32 fl oz/a A			
FEXAPAN	22 fl oz/a A			
ABUNDIT EDGE	32 fl oz/a B			
FEXAPAN	22 fl oz/a B			
CINCH	1 pt/a B			
Mean =			100	91

Pest Type	W Weed	W Weed		W Weed		
Pest Code	AMATA	AMATA		AMATA		
Pest Name	Common waterhe>	Common waterhe>		Common waterhe>		
Crop Code			GLXMA			
Crop Name			Soybean			
Rating Date	5/30/2017	6/12/2017	6/12/2017	6/24/2017		
Rating Type	CONTRO	CONTRO	PHYGEN	CONTRO		
Rating Unit	%	%	%	%		
Number of Subsamples	1	1	1	1		
Assessed By	T. Campbell	T. Campbell	T. Campbell	T. Campbell		
Days After First/Last Applic.	15 15	28 28	28 28	40 40		
Trt-Eval Interval	15 DA-A	28 DA-A	28 DA-A	40 DA-A		
Days After Emergence	-5 DE-1	8 DE-1	8 DE-1	20 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	1	2		
5 CANOPY	6 oz/a	A 105	100	98	0	70
CINCH	1 pt/a	A 306	100	95	0	60
ABUNDIT EDGE	32 fl oz/a	A 402	100	98	0	56*
FEXAPAN	22 fl oz/a	A 602	100	95	0	65
ABUNDIT EDGE	32 fl oz/a	B				
FEXAPAN	22 fl oz/a	B				
		Mean =	100	97	0	63
6 CANOPY	6 oz/a	A 106	100	95	0	60
CINCH	1 pt/a	A 305	100	90	0	55
ABUNDIT EDGE	32 fl oz/a	A 403	100	95	0	50
FEXAPAN	22 fl oz/a	A 605	100	90	0	40
ABUNDIT EDGE	32 fl oz/a	B				
FEXAPAN	22 fl oz/a	B				
CINCH	1 pt/a	B				
		Mean =	100	93	0	51
7 ZIDUA PRO	6 oz/a	A 107	100	98	0	60
ABUNDIT EDGE	32 fl oz/a	A 204	100	98	0	95
FEXAPAN	22 fl oz/a	A 407	100	85	0	50
ABUNDIT EDGE	32 fl oz/a	B 506	100	95	0	60
FEXAPAN	22 fl oz/a	B				
		Mean =	100	94	0	66
8 UNTREATED		201	0	0	0	0
		205	0	0	0	0
		404	0	0	0	0
		507	0	0	0	0
		Mean =	0	0	0	0
800 CANOPY	3.5 oz/a	A 202	100	98	0	75
CINCH	1 pt/a	A 207	100	90	0	55
ABUNDIT EDGE	32 fl oz/a	A 401	100	95	0	70
FEXAPAN	22 fl oz/a	A 503	100	85	0	40
ABUNDIT EDGE	32 fl oz/a	B				
FEXAPAN	22 fl oz/a	B				
		Mean =	100	92	0	60
801 CANOPY	3.5 oz/a	A 203	100	98	0	60
CINCH	1 pt/a	A 206	100	95	0	70
ABUNDIT EDGE	32 fl oz/a	A 307	100	90	0	55
FEXAPAN	22 fl oz/a	A 504	100	90	0	30
ABUNDIT EDGE	32 fl oz/a	B				
FEXAPAN	22 fl oz/a	B				
CINCH	1 pt/a	B				
		Mean =	100	93	0	54

Pest Type			W Weed		W Weed
Pest Code			AMATA		AMATA
Pest Name			Common waterhe>		Common waterhe>
Crop Code	GLXMA		GLXMA		GLXMA
Crop Name	Soybean		Soybean		Soybean
Rating Date	6/24/2017		7/3/2017		7/9/2017
Rating Type	PHYGEN		CONTRO		CONTRO
Rating Unit	%		%		%
Number of Subsamples	1		1		1
Assessed By	T. Campbell		T. Campbell		T. Campbell
Days After First/Last Applic.	40 40		49 9		49 9
Trt-Eval Interval	40 DA-A		29 DE-1		29 DE-1
Days After Emergence	20 DE-1		29 DE-1		35 DE-1
ARM Action Codes	P		P		P
Number of Decimals	0		0		0
Trt Treatment	Rate	Appl			
No. Name	Rate Unit	Code Plot	5	6	7
1 TRIVENCE @ 8 OZ		101	0	95	5
VALOR SX	2 oz/a A	304	0	95	2
CLASSIC	1.28 oz/a A	406	0	90	5
TRICOR	4.75 oz/a A	601	0	95	2
ABUNDIT EDGE	32 fl oz/a A				
FEXAPAN	22 fl oz/a A				
ABUNDIT EDGE	32 fl oz/a B				
FEXAPAN	22 fl oz/a B				
Mean =			0	94	4
2 TRIVENCE @ 8 OZ		102	0	100	15
VALOR SX	2 oz/a A	302	0*	96*	10*
CLASSIC	1.28 oz/a A	501	0	90	10
TRICOR	4.75 oz/a A	603	0	85	10
ABUNDIT EDGE	32 fl oz/a A				
FEXAPAN	22 fl oz/a A				
ABUNDIT EDGE	32 fl oz/a B				
FEXAPAN	22 fl oz/a B				
CINCH	1 pt/a B				
Mean =			0	93	11
3 ENVIVE @ 3.5 OZ		103	0	90	10
VALOR SX	2 oz/a A	301	0	95	2
CLASSIC	1.28 oz/a A	405	0	95	2
HARMONY SG	0.2 oz/a A	604	0	90	2
ABUNDIT EDGE	32 fl oz/a A				
FEXAPAN	22 fl oz/a A				
ABUNDIT EDGE	32 fl oz/a B				
FEXAPAN	22 fl oz/a B				
Mean =			0	93	4
4 ENVIVE @ 3.5 OZ		104	0	100	10
VALOR SX	2 oz/a A	303	0	100	10
CLASSIC	1.28 oz/a A	502	0	85	10
HARMONY SG	0.2 oz/a A	505	0	75	5
ABUNDIT EDGE	32 fl oz/a A				
FEXAPAN	22 fl oz/a A				
ABUNDIT EDGE	32 fl oz/a B				
FEXAPAN	22 fl oz/a B				
CINCH	1 pt/a B				
Mean =			0	90	9

Pest Type				W Weed AMATA		W Weed AMATA
Pest Code				Common waterhe>		Common waterhe>
Pest Name						
Crop Code	GLXMA				GLXMA	
Crop Name	Soybean				Soybean	
Rating Date	6/24/2017			7/3/2017	7/3/2017	7/9/2017
Rating Type	PHYGEN			CONTRO	PHYGEN	CONTRO
Rating Unit	%			%	%	%
Number of Subsamples	1			1	1	1
Assessed By	T. Campbell			T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	40 40			49 9	49 9	55 15
Trt-Eval Interval	40 DA-A				29 DE-1	35 DE-1
Days After Emergence	20 DE-1			29 DE-1	29 DE-1	35 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	5	6	7	8
5 CANOPY	6 oz/a	A 105	0	95	5	100
CINCH	1 pt/a	A 306	0	95	2	100
ABUNDIT EDGE	32 fl oz/a	A 402	0*	92*	3*	98*
FEXAPAN	22 fl oz/a	A 602	0	90	2	98
ABUNDIT EDGE	32 fl oz/a	B				
FEXAPAN	22 fl oz/a	B				
	Mean =		0	93	3	99
6 CANOPY	6 oz/a	A 106	0	100	15	100
CINCH	1 pt/a	A 305	0	95	10	100
ABUNDIT EDGE	32 fl oz/a	A 403	0	100	15	100
FEXAPAN	22 fl oz/a	A 605	0	90	10	98
ABUNDIT EDGE	32 fl oz/a	B				
FEXAPAN	22 fl oz/a	B				
CINCH	1 pt/a	B				
	Mean =		0	96	13	100
7 ZIDUA PRO	6 oz/a	A 107	0	100	5	100
ABUNDIT EDGE	32 fl oz/a	A 204	0	100	2	100
FEXAPAN	22 fl oz/a	A 407	0	95	2	95
ABUNDIT EDGE	32 fl oz/a	B 506	0	95	5	100
FEXAPAN	22 fl oz/a	B				
	Mean =		0	98	4	99
8 UNTREATED		201	0	0	0	0
		205	0	0	0	0
		404	0	0	0	0
		507	0	0	0	0
	Mean =		0	0	0	0
800 CANOPY	3.5 oz/a	A 202	0	95	2	100
CINCH	1 pt/a	A 207	0	100	2	100
ABUNDIT EDGE	32 fl oz/a	A 401	0	90	2	95
FEXAPAN	22 fl oz/a	A 503	0	90	2	98
ABUNDIT EDGE	32 fl oz/a	B				
FEXAPAN	22 fl oz/a	B				
	Mean =		0	94	2	98
801 CANOPY	3.5 oz/a	A 203	0	95	15	100
CINCH	1 pt/a	A 206	0	100	10	100
ABUNDIT EDGE	32 fl oz/a	A 307	0	100	10	100
FEXAPAN	22 fl oz/a	A 504	0	90	10	98
ABUNDIT EDGE	32 fl oz/a	B				
FEXAPAN	22 fl oz/a	B				
CINCH	1 pt/a	B				
	Mean =		0	96	11	100

Pest Type				W Weed		W Weed					
Pest Code				AMATA		AMATA					
Pest Name				Common waterhe>		Common waterhe>					
Crop Code				GLXMA		GLXMA					
Crop Name				Soybean		Soybean					
Rating Date				7/24/2017		7/24/2017					
Rating Type				PHYGEN		PHYGEN					
Rating Unit				%		%					
Number of Subsamples				1		1					
Assessed By				T. Campbell		T. Campbell					
Days After First/Last Applic.				55 15		70 30					
Trt-Eval Interval				35 DE-1		50 DE-1					
Days After Emergence				35 DE-1		50 DE-1					
ARM Action Codes				P		P					
Number of Decimals				0		0					
Trt	Treatment	Rate	Appl	9		10		11		12	
No.	Name	Rate Unit	Code Plot								
1	TRIVENCE @ 8 OZ		101	2	95	0	90				
	VALOR SX	2 oz/a A	304	2	85	0	85				
	CLASSIC	1.28 oz/a A	406	2	70	0	70				
	TRICOR	4.75 oz/a A	601	2	98	0	95				
	ABUNDIT EDGE	32 fl oz/a A									
	FEXAPAN	22 fl oz/a A									
	ABUNDIT EDGE	32 fl oz/a B									
	FEXAPAN	22 fl oz/a B									
	Mean =			2	87	0	85				
2	TRIVENCE @ 8 OZ		102	2	98	0	95				
	VALOR SX	2 oz/a A	302	2*	95*	0*	94*				
	CLASSIC	1.28 oz/a A	501	2	98	0	95				
	TRICOR	4.75 oz/a A	603	2	95	0	95				
	ABUNDIT EDGE	32 fl oz/a A									
	FEXAPAN	22 fl oz/a A									
	ABUNDIT EDGE	32 fl oz/a B									
	FEXAPAN	22 fl oz/a B									
	CINCH	1 pt/a B									
	Mean =			2	97	0	95				
3	ENVIVE @ 3.5 OZ		103	2	75	0	70				
	VALOR SX	2 oz/a A	301	2	90	0	90				
	CLASSIC	1.28 oz/a A	405	2	65	0	60				
	HARMONY SG	0.2 oz/a A	604	2	90	0	90				
	ABUNDIT EDGE	32 fl oz/a A									
	FEXAPAN	22 fl oz/a A									
	ABUNDIT EDGE	32 fl oz/a B									
	FEXAPAN	22 fl oz/a B									
	Mean =			2	80	0	78				
4	ENVIVE @ 3.5 OZ		104	2	95	0	85				
	VALOR SX	2 oz/a A	303	2	90	0	85				
	CLASSIC	1.28 oz/a A	502	2	98	0	90				
	HARMONY SG	0.2 oz/a A	505	2	85	0	85				
	ABUNDIT EDGE	32 fl oz/a A									
	FEXAPAN	22 fl oz/a A									
	ABUNDIT EDGE	32 fl oz/a B									
	FEXAPAN	22 fl oz/a B									
	CINCH	1 pt/a B									
	Mean =			2	92	0	86				

Pest Type				W Weed AMATA		W Weed AMATA
Pest Code				Common waterhe>		Common waterhe>
Pest Name						
Crop Code	GLXMA				GLXMA	
Crop Name	Soybean				Soybean	
Rating Date	7/9/2017			7/24/2017	7/24/2017	8/14/2017
Rating Type	PHYGEN			CONTRO	PHYGEN	CONTRO
Rating Unit	%			%	%	%
Number of Subsamples	1			1	1	1
Assessed By	T. Campbell			T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	55 15			70 30	70 30	91 51
Trt-Eval Interval						
Days After Emergence	35 DE-1			50 DE-1	50 DE-1	71 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	9	10	11	12
5 CANOPY	6 oz/a	A 105	2	85	0	70
CINCH	1 pt/a	A 306	2	75	0	70
ABUNDIT EDGE	32 fl oz/a	A 402	2*	75*	0*	68*
FEXAPAN	22 fl oz/a	A 602	2	70	0	70
ABUNDIT EDGE	32 fl oz/a	B				
FEXAPAN	22 fl oz/a	B				
	Mean =		2	76	0	70
6 CANOPY	6 oz/a	A 106	2	100	0	90
CINCH	1 pt/a	A 305	2	85	0	75
ABUNDIT EDGE	32 fl oz/a	A 403	2	98	0	95
FEXAPAN	22 fl oz/a	A 605	2	80	0	80
ABUNDIT EDGE	32 fl oz/a	B				
FEXAPAN	22 fl oz/a	B				
CINCH	1 pt/a	B				
	Mean =		2	91	0	85
7 ZIDUA PRO	6 oz/a	A 107	2	85	0	80
ABUNDIT EDGE	32 fl oz/a	A 204	2	70	0	70
FEXAPAN	22 fl oz/a	A 407	2	70	0	70
ABUNDIT EDGE	32 fl oz/a	B 506	2	65	0	65
FEXAPAN	22 fl oz/a	B				
	Mean =		2	73	0	71
8 UNTREATED		201	0	0	0	0
		205	2	0	0	0
		404	0	0	0	0
		507	0	0	0	0
	Mean =		1	0	0	0
800 CANOPY	3.5 oz/a	A 202	2	80	0	80
CINCH	1 pt/a	A 207	2	70	0	65
ABUNDIT EDGE	32 fl oz/a	A 401	2	85	0	80
FEXAPAN	22 fl oz/a	A 503	2	75	0	75
ABUNDIT EDGE	32 fl oz/a	B				
FEXAPAN	22 fl oz/a	B				
	Mean =		2	78	0	75
801 CANOPY	3.5 oz/a	A 203	2	98	0	85
CINCH	1 pt/a	A 206	2	95	0	95
ABUNDIT EDGE	32 fl oz/a	A 307	2	95	0	95
FEXAPAN	22 fl oz/a	A 504	2	90	0	90
ABUNDIT EDGE	32 fl oz/a	B				
FEXAPAN	22 fl oz/a	B				
CINCH	1 pt/a	B				
	Mean =		2	95	0	91

# Purdue Weed Science

## FeXapan in No-till 2 pass programs for RR2X Soybeans

Trial ID: 17S-MGS-Soy-14      Location: Meigs      Trial Year: 2017  
Protocol ID: 17S-MGS-Soy-14      Investigator: Dr. Bill Johnson  
Project ID: US 130/17/01:USA-17-130      Study Director: Taylor Campbell  
Sponsor Contact: DuPont - Kelly Backscheider

Pest Type

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

Pest Code

AMATA, Amaranthus tamariscinus, Common waterhemp = US

Crop Code

GLXMA, BSOY, Glycine max, Soybean = US

Rating Type

CONTRO = control / burndown or knockdown

PHYGEN = phytotoxicity - general / injury

Rating Unit

% = percent

ARM Action Codes

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

# Purdue Weed Science

## FeXapan in No-till 2 pass programs for RR2X Soybeans

Trial ID: 17S-MGS-Soy-14 Location: Meigs Trial Year: 2017  
 Protocol ID: 17S-MGS-Soy-14 Investigator: Dr. Bill Johnson  
 Project ID: US 130/17/01:USA-17-130 Study Director: Taylor Campbell  
 Sponsor Contact: DuPont - Kelly Backscheider

Pest Type	W Weed	W Weed	W Weed
Pest Code	AMATA	AMATA	AMATA
Pest Name	Common waterhe>	Common waterhe>	Common waterhe>
Crop Code			GLXMA
Crop Name			Soybean
Rating Date	5/30/2017	6/12/2017	6/12/2017
Rating Type	CONTRO	CONTRO	PHYGEN
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Assessed By	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	15 15	28 28	28 28
Trt-Eval Interval	15 DA-A	28 DA-A	28 DA-A
Days After Emergence	-5 DE-1	8 DE-1	8 DE-1
ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code	
			1 2 3 4
1 TRIVENICE @ 8 OZ			100 a 95 a 0 a 63 a
VALOR SX	2 oz/a A		
CLASSIC	1.28 oz/a A		
TRICOR	4.75 oz/a A		
ABUNDIT EDGE	32 fl oz/a A		
FEXAPAN	22 fl oz/a A		
ABUNDIT EDGE	32 fl oz/a B		
FEXAPAN	22 fl oz/a B		
2 TRIVENICE @ 8 OZ			100 a 93 a 0 a 67 a
VALOR SX	2 oz/a A		
CLASSIC	1.28 oz/a A		
TRICOR	4.75 oz/a A		
ABUNDIT EDGE	32 fl oz/a A		
FEXAPAN	22 fl oz/a A		
ABUNDIT EDGE	32 fl oz/a B		
FEXAPAN	22 fl oz/a B		
CINCH	1 pt/a B		
3 ENVIVE @ 3.5 OZ			100 a 95 a 0 a 60 a
VALOR SX	2 oz/a A		
CLASSIC	1.28 oz/a A		
HARMONY SG	0.2 oz/a A		
ABUNDIT EDGE	32 fl oz/a A		
FEXAPAN	22 fl oz/a A		
ABUNDIT EDGE	32 fl oz/a B		
FEXAPAN	22 fl oz/a B		

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls)  
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.  
 Missing data estimates are included in columns: Yates=4,5,6,7,8,9,10,11,12  
 Could not calculate LSD (% mean diff) for columns 1,3,5,11 because error mean square = 0.

Pest Type Pest Code Pest Name	W Weed AMATA Common waterhe>	W Weed AMATA Common waterhe>	GLXMA Soybean 6/12/2017 PHYGEN %	W Weed AMATA Common waterhe>		
Crop Code Crop Name Rating Date Rating Type Rating Unit Number of Subsamples Assessed By	5/30/2017 CONTRO %	6/12/2017 CONTRO %	6/12/2017 PHYGEN %	6/24/2017 CONTRO %		
Days After First/Last Applic. Trt-Eval Interval Days After Emergence ARM Action Codes Number of Decimals	15 15 15 DA-A -5 DE-1 P 0	28 28 28 DA-A 8 DE-1 P 0	28 28 28 DA-A 8 DE-1 P 0	40 40 40 DA-A 20 DE-1 P 0		
Trt Treatment No. Name	Rate Rate Unit	Appl Code	1	2	3	4
4 ENVIVE @ 3.5 OZ VALOR SX CLASSIC HARMONY SG ABUNDIT EDGE FEXAPAN ABUNDIT EDGE FEXAPAN CINCH	2 oz/a 1.28 oz/a 0.2 oz/a 32 fl oz/a 22 fl oz/a 32 fl oz/a 22 fl oz/a 1 pt/a	A A A A A B B B	100 a	91 a	0 a	46 a
5 CANOPY CINCH ABUNDIT EDGE FEXAPAN ABUNDIT EDGE FEXAPAN	6 oz/a 1 pt/a 32 fl oz/a 22 fl oz/a 32 fl oz/a 22 fl oz/a	A A A A B B	100 a	97 a	0 a	63 a
6 CANOPY CINCH ABUNDIT EDGE FEXAPAN ABUNDIT EDGE FEXAPAN CINCH	6 oz/a 1 pt/a 32 fl oz/a 22 fl oz/a 32 fl oz/a 22 fl oz/a 1 pt/a	A A A A B B B	100 a	93 a	0 a	51 a
7 ZIDUA PRO ABUNDIT EDGE FEXAPAN ABUNDIT EDGE FEXAPAN	6 oz/a 32 fl oz/a 22 fl oz/a 32 fl oz/a 22 fl oz/a	A A A B B	100 a	94 a	0 a	66 a
8 UNTREATED			0 b	0 b	0 a	0 b
800 CANOPY CINCH ABUNDIT EDGE FEXAPAN ABUNDIT EDGE FEXAPAN	3.5 oz/a 1 pt/a 32 fl oz/a 22 fl oz/a 32 fl oz/a 22 fl oz/a	A A A A B B	100 a	92 a	0 a	60 a

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls)  
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.  
Missing data estimates are included in columns: Yates=4,5,6,7,8,9,10,11,12  
Could not calculate LSD (% mean diff) for columns 1,3,5,11 because error mean square = 0.

Pest Type Pest Code Pest Name	W Weed AMATA Common waterhe>	W Weed AMATA Common waterhe>		W Weed AMATA Common waterhe>		
Crop Code Crop Name			GLXMA Soybean			
Rating Date	5/30/2017	6/12/2017	6/12/2017	6/24/2017		
Rating Type	CONTRO	CONTRO	PHYGEN	CONTRO		
Rating Unit	%	%	%	%		
Number of Subsamples Assessed By	1 T. Campbell	1 T. Campbell	1 T. Campbell	1 T. Campbell		
Days After First/Last Applic.	15 15	28 28	28 28	40 40		
Trt-Eval Interval	15 DA-A	28 DA-A	28 DA-A	40 DA-A		
Days After Emergence	-5 DE-1	8 DE-1	8 DE-1	20 DE-1		
ARM Action Codes	P	P	P	P		
Number of Decimals	0	0	0	0		
Trt Treatment No. Name	Rate Rate Unit	Appl Code	1	2	3	4
801 CANOPY CINCH ABUNDIT EDGE FEXAPAN ABUNDIT EDGE FEXAPAN CINCH	3.5 oz/a 1 pt/a 32 fl oz/a 22 fl oz/a 32 fl oz/a 22 fl oz/a 1 pt/a	A A A A B B B	100 a	93 a	0 a	54 a
LSD P=.05	.	5.1	.	18.9		
Standard Deviation	0.0	3.5	0.0	13.0		
CV	0.0	4.14	0.0	24.5		
Bartlett's X2	0.0	5.977	0.0	4.855		
P(Bartlett's X2)	.	0.65	.	0.773		
Skewness	-2.7717*	-2.6518*	.	-0.9157*		
Kurtosis	5.9791*	5.5678*	.	0.6542		
Replicate F	0.000	8.981	0.000	5.465		
Replicate Prob(F)	1.0000	0.0003	1.0000	0.0050		
Treatment F	0.000	289.145	0.000	9.282		
Treatment Prob(F)	1.0000	0.0001	1.0000	0.0001		

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls)  
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.  
Missing data estimates are included in columns: Yates=4,5,6,7,8,9,10,11,12  
Could not calculate LSD (% mean diff) for columns 1,3,5,11 because error mean square = 0.

Pest Type			W Weed		W Weed	
Pest Code			AMATA		AMATA	
Pest Name			Common waterhe>		Common waterhe>	
Crop Code	GLXMA		GLXMA		GLXMA	
Crop Name	Soybean		Soybean		Soybean	
Rating Date	6/24/2017		7/3/2017		7/9/2017	
Rating Type	PHYGEN		CONTRO		PHYGEN	
Rating Unit	%		%		%	
Number of Subsamples	1		1		1	
Assessed By	T. Campbell		T. Campbell		T. Campbell	
Days After First/Last Applic.	40 40		49 9		55 15	
Trt-Eval Interval	40 DA-A					
Days After Emergence	20 DE-1		29 DE-1		35 DE-1	
ARM Action Codes	P		P		P	
Number of Decimals	0		0		0	
Trt Treatment	Rate	Appl				
No. Name	Rate Unit	Code	5	6	7	8
1 TRIVENCE @ 8 OZ			0 a	94 a	4 cd	99 a
VALOR SX	2 oz/a	A				
CLASSIC	1.28 oz/a	A				
TRICOR	4.75 oz/a	A				
ABUNDIT EDGE	32 fl oz/a	A				
FEXAPAN	22 fl oz/a	A				
ABUNDIT EDGE	32 fl oz/a	B				
FEXAPAN	22 fl oz/a	B				
2 TRIVENCE @ 8 OZ			0 a	93 a	11 ab	99 a
VALOR SX	2 oz/a	A				
CLASSIC	1.28 oz/a	A				
TRICOR	4.75 oz/a	A				
ABUNDIT EDGE	32 fl oz/a	A				
FEXAPAN	22 fl oz/a	A				
ABUNDIT EDGE	32 fl oz/a	B				
FEXAPAN	22 fl oz/a	B				
CINCH	1 pt/a	B				
3 ENVIVE @ 3.5 OZ			0 a	93 a	4 c	98 a
VALOR SX	2 oz/a	A				
CLASSIC	1.28 oz/a	A				
HARMONY SG	0.2 oz/a	A				
ABUNDIT EDGE	32 fl oz/a	A				
FEXAPAN	22 fl oz/a	A				
ABUNDIT EDGE	32 fl oz/a	B				
FEXAPAN	22 fl oz/a	B				

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls)  
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.  
Missing data estimates are included in columns: Yates=4,5,6,7,8,9,10,11,12  
Could not calculate LSD (% mean diff) for columns 1,3,5,11 because error mean square = 0.

Pest Type Pest Code Pest Name		W Weed AMATA Common waterhe>		W Weed AMATA Common waterhe>			
Crop Code Crop Name Rating Date Rating Type Rating Unit Number of Subsamples Assessed By	GLXMA Soybean 6/24/2017 PHYGEN % 1 T. Campbell	7/3/2017 CONTRO % 1 T. Campbell	GLXMA Soybean 7/3/2017 PHYGEN % 1 T. Campbell	7/9/2017 CONTRO % 1 T. Campbell	GLXMA Soybean 7/9/2017 PHYGEN % 1 T. Campbell		
Days After First/Last Applic. Trt-Eval Interval Days After Emergence ARM Action Codes Number of Decimals	40 40 40 DA-A 20 DE-1 P 0	49 9 29 DE-1 P 0	49 9 29 DE-1 P 0	55 15 35 DE-1 P 0	55 15 35 DE-1 P 0		
Trt Treatment No. Name	Rate Rate Unit	Appl Code	5	6	7	8	9
4 ENVIVE @ 3.5 OZ VALOR SX CLASSIC HARMONY SG ABUNDIT EDGE FEXAPAN ABUNDIT EDGE FEXAPAN CINCH	2 oz/a A 1.28 oz/a A 0.2 oz/a A 32 fl oz/a A 22 fl oz/a A 32 fl oz/a B 22 fl oz/a B 1 pt/a B	A	0 a	90 a	9 b	99 a	2 a
5 CANOPY CINCH ABUNDIT EDGE FEXAPAN ABUNDIT EDGE FEXAPAN	6 oz/a A 1 pt/a A 32 fl oz/a A 22 fl oz/a A 32 fl oz/a B 22 fl oz/a B	A	0 a	93 a	3 cd	99 a	2 a
6 CANOPY CINCH ABUNDIT EDGE FEXAPAN ABUNDIT EDGE FEXAPAN CINCH	6 oz/a A 1 pt/a A 32 fl oz/a A 22 fl oz/a A 32 fl oz/a B 22 fl oz/a B 1 pt/a B	A	0 a	96 a	13 a	100 a	2 a
7 ZIDUA PRO ABUNDIT EDGE FEXAPAN ABUNDIT EDGE FEXAPAN	6 oz/a A 32 fl oz/a A 22 fl oz/a A 32 fl oz/a B 22 fl oz/a B	A	0 a	98 a	4 cd	99 a	2 a
8 UNTREATED			0 a	0 b	0 d	0 b	1 b
800 CANOPY CINCH ABUNDIT EDGE FEXAPAN ABUNDIT EDGE FEXAPAN	3.5 oz/a A 1 pt/a A 32 fl oz/a A 22 fl oz/a A 32 fl oz/a B 22 fl oz/a B	A	0 a	94 a	2 cd	98 a	2 a

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls)  
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.  
Missing data estimates are included in columns: Yates=4,5,6,7,8,9,10,11,12  
Could not calculate LSD (% mean diff) for columns 1,3,5,11 because error mean square = 0.



Pest Type		W Weed		W Weed
Pest Code		AMATA		AMATA
Pest Name		Common waterhe>		Common waterhe>
Crop Code			GLXMA	
Crop Name			Soybean	
Rating Date		7/24/2017	7/24/2017	8/14/2017
Rating Type		CONTRO	PHYGEN	CONTRO
Rating Unit		%	%	%
Number of Subsamples		1	1	1
Assessed By		T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.		70 30	70 30	91 51
Trt-Eval Interval				
Days After Emergence		50 DE-1	50 DE-1	71 DE-1
ARM Action Codes		P	P	P
Number of Decimals		0	0	0
Trt Treatment	Rate	Appl		
No. Name	Rate Unit	Code	10	11
1 TRIVENICE @ 8 OZ			87 a-d	0 a
VALOR SX	2 oz/a	A		85 abc
CLASSIC	1.28 oz/a	A		
TRICOR	4.75 oz/a	A		
ABUNDIT EDGE	32 fl oz/a	A		
FEXAPAN	22 fl oz/a	A		
ABUNDIT EDGE	32 fl oz/a	B		
FEXAPAN	22 fl oz/a	B		
2 TRIVENICE @ 8 OZ			97 a	0 a
VALOR SX	2 oz/a	A		95 a
CLASSIC	1.28 oz/a	A		
TRICOR	4.75 oz/a	A		
ABUNDIT EDGE	32 fl oz/a	A		
FEXAPAN	22 fl oz/a	A		
ABUNDIT EDGE	32 fl oz/a	B		
FEXAPAN	22 fl oz/a	B		
CINCH	1 pt/a	B		
3 ENVIVE @ 3.5 OZ			80 a-d	0 a
VALOR SX	2 oz/a	A		78 abc
CLASSIC	1.28 oz/a	A		
HARMONY SG	0.2 oz/a	A		
ABUNDIT EDGE	32 fl oz/a	A		
FEXAPAN	22 fl oz/a	A		
ABUNDIT EDGE	32 fl oz/a	B		
FEXAPAN	22 fl oz/a	B		

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls)  
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.  
Missing data estimates are included in columns: Yates=4,5,6,7,8,9,10,11,12  
Could not calculate LSD (% mean diff) for columns 1,3,5,11 because error mean square = 0.

Pest Type	W Weed		W Weed
Pest Code	AMATA		AMATA
Pest Name	Common waterhe>		Common waterhe>
Crop Code		GLXMA	
Crop Name		Soybean	
Rating Date	7/24/2017	7/24/2017	8/14/2017
Rating Type	CONTRO	PHYGEN	CONTRO
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Assessed By	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	70 30	70 30	91 51
Trt-Eval Interval			
Days After Emergence	50 DE-1	50 DE-1	71 DE-1
ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code	
			10 11 12
4 ENVIVE @ 3.5 OZ			92 abc 0 a 86 abc
VALOR SX	2 oz/a A		
CLASSIC	1.28 oz/a A		
HARMONY SG	0.2 oz/a A		
ABUNDIT EDGE	32 fl oz/a A		
FEXAPAN	22 fl oz/a A		
ABUNDIT EDGE	32 fl oz/a B		
FEXAPAN	22 fl oz/a B		
CINCH	1 pt/a B		
5 CANOPY	6 oz/a A		76 cd 0 a 70 c
CINCH	1 pt/a A		
ABUNDIT EDGE	32 fl oz/a A		
FEXAPAN	22 fl oz/a A		
ABUNDIT EDGE	32 fl oz/a B		
FEXAPAN	22 fl oz/a B		
6 CANOPY	6 oz/a A		91 abc 0 a 85 abc
CINCH	1 pt/a A		
ABUNDIT EDGE	32 fl oz/a A		
FEXAPAN	22 fl oz/a A		
ABUNDIT EDGE	32 fl oz/a B		
FEXAPAN	22 fl oz/a B		
CINCH	1 pt/a B		
7 ZIDUA PRO	6 oz/a A		73 d 0 a 71 c
ABUNDIT EDGE	32 fl oz/a A		
FEXAPAN	22 fl oz/a A		
ABUNDIT EDGE	32 fl oz/a B		
FEXAPAN	22 fl oz/a B		
8 UNTREATED			0 e 0 a 0 d
800 CANOPY	3.5 oz/a A		78 bcd 0 a 75 bc
CINCH	1 pt/a A		
ABUNDIT EDGE	32 fl oz/a A		
FEXAPAN	22 fl oz/a A		
ABUNDIT EDGE	32 fl oz/a B		
FEXAPAN	22 fl oz/a B		

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls)  
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.  
Missing data estimates are included in columns: Yates=4,5,6,7,8,9,10,11,12  
Could not calculate LSD (% mean diff) for columns 1,3,5,11 because error mean square = 0.

Pest Type	W Weed		W Weed
Pest Code	AMATA		AMATA
Pest Name	Common waterhe>		Common waterhe>
Crop Code		GLXMA	
Crop Name		Soybean	
Rating Date	7/24/2017	7/24/2017	8/14/2017
Rating Type	CONTRO	PHYGEN	CONTRO
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Assessed By	T. Campbell	T. Campbell	T. Campbell
Days After First/Last Applic.	70 30	70 30	91 51
Trt-Eval Interval			
Days After Emergence	50 DE-1	50 DE-1	71 DE-1
ARM Action Codes	P	P	P
Number of Decimals	0	0	0
Trt Treatment			
No. Name	Rate Appl		
	Rate Unit Code		
	10	11	12
801 CANOPY	3.5 oz/a A		91 ab
CINCH	1 pt/a A	0 a	
ABUNDIT EDGE	32 fl oz/a A		
FEXAPAN	22 fl oz/a A		
ABUNDIT EDGE	32 fl oz/a B		
FEXAPAN	22 fl oz/a B		
CINCH	1 pt/a B		
LSD P=.05	11.5	.	11.6
Standard Deviation	7.9	0.0	8.0
CV	10.31	0.0	10.86
Bartlett's X2	10.022	0.0	9.241
P(Bartlett's X2)	0.263	.	0.16
Skewness	-2.0346*	.	-2.0291*
Kurtosis	3.3535*	.	3.3552*
Replicate F	1.388	0.000	0.192
Replicate Prob(F)	0.2696	1.0000	0.9008
Treatment F	50.943	0.000	46.169
Treatment Prob(F)	0.0001	1.0000	0.0001

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls)  
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.  
Missing data estimates are included in columns: Yates=4,5,6,7,8,9,10,11,12  
Could not calculate LSD (% mean diff) for columns 1,3,5,11 because error mean square = 0.

# Purdue Weed Science

## FeXapan in No-till 2 pass programs for RR2X Soybeans

Trial ID: 17S-MGS-Soy-14      Location: Meigs      Trial Year: 2017  
Protocol ID: 17S-MGS-Soy-14      Investigator: Dr. Bill Johnson  
Project ID: US 130/17/01:USA-17-130      Study Director: Taylor Campbell  
Sponsor Contact: DuPont - Kelly Backscheider

Pest Type

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

Pest Code

AMATA, Amaranthus tamariscinus, Common waterhemp = US

Crop Code

GLXMA, BSOY, Glycine max, Soybean = US

Rating Type

CONTRO = control / burndown or knockdown

PHYGEN = phytotoxicity - general / injury

Rating Unit

% = percent

ARM Action Codes

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