

# The Ohio State University

## FeXapan in no-till 2 pass programs for RR2X soybeans

Trial ID: 17 FEXNT  
 Protocol ID: 17 FEXNT  
 Project ID: US 130 17 01

Location: F-10 MIDDLE Trial Year: 2017  
 Investigator: Dr. Mark M. Loux  
 Study Director: Bryan Reeb  
 Sponsor Contact: Marsha Martin, DuPont

### General Trial Information

**Study Director:** Bryan Reeb  
**Investigator:** Dr. Mark M. Loux

### Trial Location

**City:** South Charleston **Country:** USA United States  
**State/Prov.:** Ohio  
**Postal Code:** 45368 **Climate Zone:** USWARM US Warm Continental

**Latitude of LL Corner °:** 39.85863 N  
**Longitude of LL Corner °:** 83.67104 W  
**Altitude of LL Corner, Unit:** 1047.00 FT

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

### Contacts

**Study Director:** Bryan Reeb  
**Investigator:** Dr. Mark M. Loux

### Crop Description

**Crop 1:** GLXMA Glycine max Soybean  
**Variety:** Pioneer 36T36X  
**Description:** Dicamba Tolerant  
**Planting Rate, Unit:** 175000 S/A  
**Depth, Unit:** 1 IN  
**Row Spacing, Unit:** 15 IN  
**Soil Moisture:** GOOD good  
**Seed Bed:** NOTILL  
**Planting Date:** May-17-2017  
**Planting Method:** PLANTD planted  
**Planting Equipment:** FE Field Equipment  
**Emergence Date:** May-29-2017

### Pest Description

**Pest 1 Type:** W **Code:** LAMPU Lamium purpureum  
**Common Name:** Purple deadnettle  
**Pest 2 Type:** W **Code:** ERYRE Erysimum repandum  
**Common Name:** Bushy wallflower  
**Pest 3 Type:** W **Code:** ERICA Erigeron canadensis  
**Common Name:** Canada horseweed  
**Pest 4 Type:** W **Code:** SENGL Senecio glabellus  
**Common Name:** Cressleaf groundsel  
**Pest 5 Type:** W **Code:** TARSS Taraxacum sp.  
**Common Name:** Dandelion  
**Pest 6 Type:** W **Code:** SETFA Setaria faberi  
**Common Name:** Giant foxtail  
**Pest 7 Type:** W **Code:** AMBTR Ambrosia trifida  
**Common Name:** Giant ragweed

### Site and Design

**Treated Plot Width:** 10 FT  
**Treated Plot Length:** 30 FT  
**Treated Plot Area:** 300 FT2 **Treatments:** 10  
**Replications:** 3  
**Site Type:** FIELD field  
**Experimental Unit:** 1 PLOT plot  
**Tillage Type:** NOTILL no-till  
**Study Design:** RACOB L Randomized Complete Block (RCB)

### Soil Description

**Description Name:** F-10 East  
**% OM:** 3 **Texture:** SICL silty clay loam  
**pH:** 6 **Soil Name:** Kokomo  
**CEC:** 19.5 **Fert. Level:** G good  
**Soil Drainage:** G good

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## Application Description

	A	B
Application Date:	May-3-2017	Jun-8-2017
Appl. Start Time:	10:15 AM	9:13 AM
Appl. Stop Time:	11:00 AM	9:40 AM
Application Method:	SPRAY	SPRAY
Application Placement:	BROSOI	BROFOL
Applied By:		REEB
Air Temperature, Unit:	46 F	63 F
% Relative Humidity:	62	65
Wind Velocity, Unit:	7 MPH	8 MPH
Wind Direction:	N	SE
Dew Presence (Y/N):	N no	N no
Soil Temperature, Unit:	50 F	59 F
Soil Moisture:	SLIWET	SLIDRY
% Cloud Cover:		40
Next Moisture Occurred On:	May-4-2017	Jun-13-2017
Time to Next Moisture, Unit:	1 DAY	5 DAY

## Crop Stage At Each Application

	A	B
Crop 1 Code, BBCH Scale:	GLXMA BSOY	GLXMA BSOY
Stage Scale Used:		BBCH
Stage Majority, Percent:		12 100
Height, Unit:		3 IN

## Pest Stage At Each Application

	A	B
Pest 1 Code, Type, Scale:	LAMPU W	LAMPU W
Stage Majority, Percent:	89	100
Height, Unit:	4	IN
Height Minimum, Maximum:	3	5
Density, Unit:	9	m2
Pest 2 Code, Type, Scale:	ERYRE W	ERYRE W
Stage Majority, Percent:	89	100
Height, Unit:	11	IN
Height Minimum, Maximum:	10	12
Density, Unit:	49	m2
Pest 3 Code, Type, Scale:	ERICA W	ERICA W
Stage Majority, Percent:	30	100 35 100
Diameter, Unit:	4	IN
Height, Unit:	3	IN 14 IN
Height Minimum, Maximum:	1	5 12 16
Density, Unit:	57	m2
Pest 4 Code, Type, Scale:	SENGL W	SENGL W
Stage Majority, Percent:	65	100 63 100
Height, Unit:	16	IN 13 IN
Height Minimum, Maximum:	15	17 12 14
Density, Unit:	12	m2
Pest 5 Code, Type, Scale:	TARSS W	TARSS W
Stage Majority, Percent:	69	100
Diameter, Unit:	11	IN
Height, Unit:	4	IN
Height Minimum, Maximum:	3	5
Density, Unit:	1	m2
Pest 6 Code, Type, Scale:	SETFA W	SETFA W
Stage Majority, Percent:	12	100 13 100
Height, Unit:	1	IN 3 IN
Height Minimum, Maximum:	1	1.5
Density, Unit:	1	m2
Pest 7 Code, Type, Scale:	AMBTR W	AMBTR W
Stage Majority, Percent:	14	100 18 100
Height, Unit:	2	IN 6 IN
Height Minimum, Maximum:	2	3 5 6
Density, Unit:	1	m2

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## Application Equipment

	<b>A</b>	<b>B</b>
<b>Appl. Equipment:</b>	6' BACKPACK	10' BACKPACK
<b>Equipment Type:</b>	BACCAI	BACCAI
<b>Operation Pressure, Unit:</b>	44 PSI	46 PSI
<b>Nozzle Type:</b>	TTI	TTI
<b>Nozzle Size:</b>	11015	11015
<b>Nozzle Spacing, Unit:</b>	18 IN	18 IN
<b>Nozzles/Row:</b>	4	4
<b>Boom Length, Unit:</b>	6.67 FT	10 FT
<b>Boom Height, Unit:</b>	20 IN	20 IN
<b>Ground Speed, Unit:</b>	3 MPH	3 MPH
<b>Carrier:</b>	WATER	WATER
<b>Spray Volume, Unit:</b>	15 gal/ac	15 gal/ac
<b>Mix Size, Unit:</b>	1 liters	2 liters
<b>Propellant:</b>	COMCO2	COMCO2

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Location: F-10 MIDDLE Trial Year: 2017  
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Pest Type	W Weed	W Weed	W Weed	W Weed	O Other
Pest Code	ERICA	AMBTR	ERYRE	SENGL	
Pest Name	Canada horsewe>	Giant ragweed	Bushy wallflow>	Cressleaf grou>	
Rating Date	May-16-2017	May-16-2017	May-16-2017	May-16-2017	May-30-2017
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	PHYGEN
Rating Unit	%	%	%	%	
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	13 13	13 13	13 13	13 13	27 27
Trt-Eval Interval	13 DA-A	13 DA-A	13 DA-A	13 DA-A	27 DA-A
Days After Emergence	-13 DE-1	-13 DE-1	-13 DE-1	-13 DE-1	1 DE-1

Trt Treatment	Other Rate	Other Rate	Appl Unit Code	1	2	3	4	5
1 Trivence @ 8 oz				66.7 ab	100.0 a	63.3 abc	86.7 a	1.7 a
1 Valor SX	2 oz/a		A					
1 Classic	1.25 oz/a		A					
1 Metribuzin	4.76 oz/a		A					
1 Abundit Edge	32 oz/a		A					
1 Fexapan	22 oz/a		A					
1 Abundit Edge	32 oz/a		B					
1 Fexapan	22 oz/a		B					
1 Intact	0.3 qt/a		B					
2 Trivence @ 8 oz				66.7 ab	100.0 a	75.0 a	96.7 a	0.0 a
2 Valor SX	2 oz/a		A					
2 Classic	1.25 oz/a		A					
2 Metribuzin	4.76 oz/a		A					
2 Abundit Edge	32 oz/a		A					
2 Fexapan	22 oz/a		A					
2 Abundit Edge	32 oz/a		B					
2 Fexapan	22 oz/a		B					
2 Cinch	1 pt/a		B					
3 Envive @ 3.5 oz				61.7 ab	100.0 a	50.0 abc	90.0 a	0.0 a
3 Classic	1.28 oz/a		A					
3 Valor SX	1.96 oz/a		A					
3 Thifensulfuron	0.208 oz/a		A					
3 Abundit Edge	32 oz/a		A					
3 Fexapan	22 oz/a		A					
3 Abundit Edge	32 oz/a		B					
3 Fexapan	22 oz/a		B					
4 Envive @ 3.5 oz				56.7 ab	100.0 a	40.0 bc	100.0 a	1.7 a
4 Classic	1.28 oz/a		A					
4 Valor SX	1.96 oz/a		A					
4 Thifensulfuron	0.208 oz/a		A					
4 Abundit Edge	32 oz/a		A					
4 Fexapan	22 oz/a		A					
4 Abundit Edge	32 oz/a		B					
4 Fexapan	22 oz/a		B					
4 Cinch	1 pt/a		B					
5 Canopy	6 oz/a		A	50.0 b	100.0 a	43.3 bc	46.7 b	0.0 a
5 Cinch	1 pt/a		A					
5 Abundit Edge	32 oz/a		A					
5 Fexapan	22 oz/a		A					
5 Abundit Edge	32 oz/a		B					
5 Fexapan	22 oz/a		B					

Means followed by same letter or symbol do not significantly differ (P=.05, LSD)  
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.  
 Could not calculate LSD (% mean diff) for columns 2,9,14,19 because error mean square = 0.

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Pest Type	W Weed	W Weed	W Weed	W Weed	O Other			
Pest Code	ERICA	AMBTR	ERYRE	SENGL				
Pest Name	Canada horsewe>	Giant ragweed	Bushy wallflow>	Cressleaf grou>				
Rating Date	May-16-2017	May-16-2017	May-16-2017	May-16-2017	May-30-2017			
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	PHYGEN			
Rating Unit	%	%	%	%				
Number of Subsamples	1	1	1	1	1			
Days After First/Last Applic.	13 13	13 13	13 13	13 13	27 27			
Trt-Eval Interval	13 DA-A	13 DA-A	13 DA-A	13 DA-A	27 DA-A			
Days After Emergence	-13 DE-1	-13 DE-1	-13 DE-1	-13 DE-1	1 DE-1			
Trt Treatment	Other	Other	Appl					
No. Name	Rate	Rate	Unit Code	1	2	3	4	5
6 Canopy	6 oz/a		A	76.7 a	100.0 a	36.7 c	53.3 b	0.0 a
6 Cinch	1 pt/a		A					
6 Abundit Edge	32 oz/a		A					
6 Fexapan	22 oz/a		A					
6 Abundit Edge	32 oz/a		B					
6 Fexapan	22 oz/a		B					
6 Cinch	1 pt/a		B					
7 Trivence @ 8 oz				65.0 ab	100.0 a	66.7 ab	100.0 a	0.0 a
7 Valor SX	2 oz/a		A					
7 Classic	1.25 oz/a		A					
7 Metribuzin	4.76 oz/a		A					
7 Abundit Edge	32 oz/a		A					
7 Fexapan	22 oz/a		A					
7 Abundit Edge	32 oz/a		B					
8 Envide @ 3.5 oz				63.3 ab	100.0 a	46.7 bc	96.7 a	1.7 a
8 Classic	1.28 oz/a		A					
8 Valor SX	1.96 oz/a		A					
8 Thifensulfuron	0.208 oz/a		A					
8 Abundit Edge	32 oz/a		A					
8 Fexapan	22 oz/a		A					
8 Abundit Edge	32 oz/a		B					
9 Canopy	6 oz/a		A	60.0 ab	100.0 a	36.7 c	50.0 b	0.0 a
9 Cinch	1 pt/a		A					
9 Abundit Edge	32 oz/a		A					
9 Fexapan	22 oz/a		A					
9 Abundit Edge	32 oz/a		B					
10 UTC				0.0 c	0.0 b	0.0 d	0.0 c	0.0 a
LSD P=.05				20.01	.	27.77	25.93	2.71
Standard Deviation				11.66	0.00	16.19	15.12	1.58
CV				20.58	0.0	35.32	21.0	316.23
Bartlett's X2				8.151	0.0	2.252	7.104	0.0
P(Bartlett's X2)				0.419	.	0.972	0.311	.
Replicate F				0.558	0.000	0.251	0.919	1.000
Replicate Prob(F)				0.5822	1.0000	0.7806	0.4169	0.3874
Treatment F				9.816	0.000	4.982	14.561	0.778
Treatment Prob(F)				0.0001	1.0000	0.0019	0.0001	0.6390

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Pest Type	W Weed	W Weed	W Weed	W Weed	O Other	W Weed			
Pest Code	SETFA	AMBTR	ERICA	SENGL		SETFA			
Pest Name	Giant foxtail	Giant ragweed	Canada horsewee>	Cressleaf grou>		Giant foxtail			
Rating Date	May-30-2017	May-30-2017	May-30-2017	May-30-2017	Jun-12-2017	Jun-12-2017			
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	PHYGEN	CONTRO			
Rating Unit	%	%	%	%	%	%			
Number of Subsamples	1	1	1	1	1	1			
Days After First/Last Applic.	27 27	27 27	27 27	27 27	40 4	40 4			
Trt-Eval Interval	27 DA-A	27 DA-A	27 DA-A	27 DA-A					
Days After Emergence	1 DE-1	1 DE-1	1 DE-1	1 DE-1	14 DE-1	14 DE-1			
Trt Treatment	Other	Other	Appl						
No. Name	Rate	Rate	Unit Code	6	7	8	9	10	11
1 Trivence @ 8 oz				36.7 a	80.0 a	81.7 a	100.0 a	1.0 b	80.0 ab
1 Valor SX	2 oz/a		A						
1 Classic	1.25 oz/a		A						
1 Metribuzin	4.76 oz/a		A						
1 Abundit Edge	32 oz/a		A						
1 Fexapan	22 oz/a		A						
1 Abundit Edge	32 oz/a		B						
1 Fexapan	22 oz/a		B						
1 Intact	0.3 qt/a		B						
2 Trivence @ 8 oz				50.0 a	76.7 ab	78.3 ab	100.0 a	3.0 a	75.0 ab
2 Valor SX	2 oz/a		A						
2 Classic	1.25 oz/a		A						
2 Metribuzin	4.76 oz/a		A						
2 Abundit Edge	32 oz/a		A						
2 Fexapan	22 oz/a		A						
2 Abundit Edge	32 oz/a		B						
2 Fexapan	22 oz/a		B						
2 Cinch	1 pt/a		B						
3 Envive @ 3.5 oz				53.3 a	65.0 ab	76.7 abc	100.0 a	0.0 b	70.0 b
3 Classic	1.28 oz/a		A						
3 Valor SX	1.96 oz/a		A						
3 Thifensulfuron	0.208 oz/a		A						
3 Abundit Edge	32 oz/a		A						
3 Fexapan	22 oz/a		A						
3 Abundit Edge	32 oz/a		B						
3 Fexapan	22 oz/a		B						
4 Envive @ 3.5 oz				50.0 a	73.3 ab	76.7 abc	100.0 a	3.7 a	76.7 ab
4 Classic	1.28 oz/a		A						
4 Valor SX	1.96 oz/a		A						
4 Thifensulfuron	0.208 oz/a		A						
4 Abundit Edge	32 oz/a		A						
4 Fexapan	22 oz/a		A						
4 Abundit Edge	32 oz/a		B						
4 Fexapan	22 oz/a		B						
4 Cinch	1 pt/a		B						
5 Canopy	6 oz/a		A	40.0 a	61.7 b	70.0 c	100.0 a	0.0 b	76.7 ab
5 Cinch	1 pt/a		A						
5 Abundit Edge	32 oz/a		A						
5 Fexapan	22 oz/a		A						
5 Abundit Edge	32 oz/a		B						
5 Fexapan	22 oz/a		B						

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Pest Type	W Weed	W Weed	W Weed	W Weed	O Other	W Weed			
Pest Code	SETFA	AMBTR	ERICA	SENGL		SETFA			
Pest Name	Giant foxtail	Giant ragweed	Canada horsewe>	Cressleaf grou>		Giant foxtail			
Rating Date	May-30-2017	May-30-2017	May-30-2017	May-30-2017	Jun-12-2017	Jun-12-2017			
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	PHYGEN	CONTRO			
Rating Unit	%	%	%	%	%	%			
Number of Subsamples	1	1	1	1	1	1			
Days After First/Last Applic.	27 27	27 27	27 27	27 27	40 4	40 4			
Trt-Eval Interval	27 DA-A	27 DA-A	27 DA-A	27 DA-A					
Days After Emergence	1 DE-1	1 DE-1	1 DE-1	1 DE-1	14 DE-1	14 DE-1			
Trt Treatment	Other Rate	Other Rate	Appl Unit Code	6	7	8	9	10	11
6 Canopy	6 oz/a		A	36.7 a	70.0 ab	73.3 bc	100.0 a	2.7 a	80.0 ab
6 Cinch	1 pt/a		A						
6 Abundit Edge	32 oz/a		A						
6 Fexapan	22 oz/a		A						
6 Abundit Edge	32 oz/a		B						
6 Fexapan	22 oz/a		B						
6 Cinch	1 pt/a		B						
7 Trivence @ 8 oz				50.0 a	63.3 b	78.3 ab	100.0 a	0.0 b	70.0 b
7 Valor SX	2 oz/a		A						
7 Classic	1.25 oz/a		A						
7 Metribuzin	4.76 oz/a		A						
7 Abundit Edge	32 oz/a		A						
7 Fexapan	22 oz/a		A						
7 Abundit Edge	32 oz/a		B						
8 Envide @ 3.5 oz				53.3 a	61.7 b	78.3 ab	100.0 a	0.0 b	73.3 b
8 Classic	1.28 oz/a		A						
8 Valor SX	1.96 oz/a		A						
8 Thifensulfuron	0.208 oz/a		A						
8 Abundit Edge	32 oz/a		A						
8 Fexapan	22 oz/a		A						
8 Abundit Edge	32 oz/a		B						
9 Canopy	6 oz/a		A	53.3 a	70.0 ab	73.3 bc	100.0 a	0.0 b	83.7 a
9 Cinch	1 pt/a		A						
9 Abundit Edge	32 oz/a		A						
9 Fexapan	22 oz/a		A						
9 Abundit Edge	32 oz/a		B						
10 UTC				0.0 b	0.0 c	0.0 d	0.0 b	0.0 b	0.0 c
LSD P=.05				20.80	15.67	8.30	.	1.18	10.17
Standard Deviation				12.13	9.13	4.84	0.00	0.69	5.93
CV				28.64	14.69	7.05	0.0	66.37	8.65
Bartlett's X2				10.501	2.28	6.771	0.0	1.634	1.863
P(Bartlett's X2)				0.105	0.971	0.562	.	0.652	0.932
Replicate F				0.975	7.681	1.316	0.000	0.921	1.395
Replicate Prob(F)				0.3963	0.0039	0.2928	1.0000	0.4160	0.2733
Treatment F				5.443	18.580	75.953	0.000	14.087	51.125
Treatment Prob(F)				0.0011	0.0001	0.0001	1.0000	0.0001	0.0001

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Pest Type		W Weed	W Weed	O Other	W Weed	W Weed	W Weed	
Pest Code		AMBTR	ERICA		SETFA	ECHCG	AMBTR	
Pest Name		Giant ragweed	Canada horsewe>		Giant foxtail	Common barnyar>	Giant ragweed	
Rating Date		Jun-12-2017	Jun-12-2017	Jul-7-2017	Jul-7-2017	Jul-7-2017	Jul-7-2017	
Rating Type		CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	CONTRO	
Rating Unit		%	%	%	%	%	%	
Number of Subsamples		1	1	1	1	1	1	
Days After First/Last Applic.		40 4	40 4	65 29	65 29	65 29	65 29	
Trt-Eval Interval								
Days After Emergence		14 DE-1	14 DE-1	39 DE-1	39 DE-1	39 DE-1	39 DE-1	
Trt Treatment	Other Other	Appl						
No. Name	Rate Rate	Unit Code	12	13	14	15	16	17
1 Trivence @ 8 oz			85.0 b	86.7 a	0.0 a	50.0 bc	30.0 b	100.0 a
1 Valor SX	2 oz/a	A						
1 Classic	1.25 oz/a	A						
1 Metribuzin	4.76 oz/a	A						
1 Abundit Edge	32 oz/a	A						
1 Fexapan	22 oz/a	A						
1 Abundit Edge	32 oz/a	B						
1 Fexapan	22 oz/a	B						
1 Intact	0.3 qt/a	B						
2 Trivence @ 8 oz			91.7 ab	81.7 b	0.0 a	63.3 ab	50.0 a	100.0 a
2 Valor SX	2 oz/a	A						
2 Classic	1.25 oz/a	A						
2 Metribuzin	4.76 oz/a	A						
2 Abundit Edge	32 oz/a	A						
2 Fexapan	22 oz/a	A						
2 Abundit Edge	32 oz/a	B						
2 Fexapan	22 oz/a	B						
2 Cinch	1 pt/a	B						
3 Envive @ 3.5 oz			85.0 b	86.7 a	0.0 a	33.3 c	20.0 b	88.3 ab
3 Classic	1.28 oz/a	A						
3 Valor SX	1.96 oz/a	A						
3 Thifensulfuron	0.208 oz/a	A						
3 Abundit Edge	32 oz/a	A						
3 Fexapan	22 oz/a	A						
3 Abundit Edge	32 oz/a	B						
3 Fexapan	22 oz/a	B						
4 Envive @ 3.5 oz			95.0 a	81.7 b	0.0 a	63.3 ab	46.7 a	86.7 ab
4 Classic	1.28 oz/a	A						
4 Valor SX	1.96 oz/a	A						
4 Thifensulfuron	0.208 oz/a	A						
4 Abundit Edge	32 oz/a	A						
4 Fexapan	22 oz/a	A						
4 Abundit Edge	32 oz/a	B						
4 Fexapan	22 oz/a	B						
4 Cinch	1 pt/a	B						
5 Canopy	6 oz/a	A	85.0 b	75.0 c	0.0 a	50.0 bc	23.3 b	100.0 a
5 Cinch	1 pt/a	A						
5 Abundit Edge	32 oz/a	A						
5 Fexapan	22 oz/a	A						
5 Abundit Edge	32 oz/a	B						
5 Fexapan	22 oz/a	B						

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Pest Type	W Weed	W Weed	O Other	W Weed	W Weed	W Weed		
Pest Code	AMBTR	ERICA		SETFA	ECHCG	AMBTR		
Pest Name	Giant ragweed	Canada horsewe>		Giant foxtail	Common barnyar>	Giant ragweed		
Rating Date	Jun-12-2017	Jun-12-2017	Jul-7-2017	Jul-7-2017	Jul-7-2017	Jul-7-2017		
Rating Type	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO	CONTRO		
Rating Unit	%	%	%	%	%	%		
Number of Subsamples	1	1	1	1	1	1		
Days After First/Last Applic.	40 4	40 4	65 29	65 29	65 29	65 29		
Trt-Eval Interval								
Days After Emergence	14 DE-1	14 DE-1	39 DE-1	39 DE-1	39 DE-1	39 DE-1		
Trt Treatment	Other Other	Appl						
No. Name	Rate Rate	Unit Code	12	13	14	15	16	17
6 Canopy	6 oz/a	A	90.7 ab	81.7 b	0.0 a	76.7 a	56.7 a	88.3 ab
6 Cinch	1 pt/a	A						
6 Abundit Edge	32 oz/a	A						
6 Fexapan	22 oz/a	A						
6 Abundit Edge	32 oz/a	B						
6 Fexapan	22 oz/a	B						
6 Cinch	1 pt/a	B						
7 Trivence @ 8 oz			75.0 c	70.0 d	0.0 a	46.7 bc	26.7 b	83.3 ab
7 Valor SX	2 oz/a	A						
7 Classic	1.25 oz/a	A						
7 Metribuzin	4.76 oz/a	A						
7 Abundit Edge	32 oz/a	A						
7 Fexapan	22 oz/a	A						
7 Abundit Edge	32 oz/a	B						
8 Envide @ 3.5 oz			73.3 c	70.0 d	0.0 a	50.0 bc	26.7 b	70.0 b
8 Classic	1.28 oz/a	A						
8 Valor SX	1.96 oz/a	A						
8 Thifensulfuron	0.208 oz/a	A						
8 Abundit Edge	32 oz/a	A						
8 Fexapan	22 oz/a	A						
8 Abundit Edge	32 oz/a	B						
9 Canopy	6 oz/a	A	71.7 c	70.0 d	0.0 a	53.3 b	26.7 b	66.7 b
9 Cinch	1 pt/a	A						
9 Abundit Edge	32 oz/a	A						
9 Fexapan	22 oz/a	A						
9 Abundit Edge	32 oz/a	B						
10 UTC			0.0 d	0.0 e	0.0 a	0.0 d	0.0 c	0.0 c
LSD P=.05			9.66	4.27	.	17.50	15.94	21.93
Standard Deviation			5.63	2.49	0.00	10.20	9.29	12.78
CV			7.49	3.54	0.0	20.96	30.29	16.32
Bartlett's X2			6.057	1.144	0.0	4.512	7.428	2.005
P(Bartlett's X2)			0.641	0.95	.	0.719	0.386	0.848
Replicate F			1.595	1.746	0.000	2.530	1.429	0.892
Replicate Prob(F)			0.2303	0.2027	1.0000	0.1076	0.2654	0.4271
Treatment F			72.050	316.358	0.000	12.327	9.511	16.408
Treatment Prob(F)			0.0001	0.0001	1.0000	0.0001	0.0001	0.0001

Means followed by same letter or symbol do not significantly differ (P=.05, LSD)  
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.  
 Could not calculate LSD (% mean diff) for columns 2,9,14,19 because error mean square = 0.

# The Ohio State University

Pest Type	W Weed
Pest Code	ERICA
Pest Name	Canada horsewe>
Rating Date	Jul-7-2017
Rating Type	CONTRO
Rating Unit	%
Number of Subsamples	1 1
Days After First/Last Applic.	65 29
Trt-Eval Interval	
Days After Emergence	39 DE-1

Trt Treatment	Other Other	Appl		
No. Name	Rate Rate	Unit Code	18	19

1 Trivence @ 8 oz			100.0 a
1 Valor SX	2 oz/a	A	
1 Classic	1.25 oz/a	A	
1 Metribuzin	4.76 oz/a	A	
1 Abundit Edge	32 oz/a	A	
1 Fexapan	22 oz/a	A	
1 Abundit Edge	32 oz/a	B	
1 Fexapan	22 oz/a	B	
1 Intact	0.3 qt/a	B	

2 Trivence @ 8 oz			100.0 a
2 Valor SX	2 oz/a	A	
2 Classic	1.25 oz/a	A	
2 Metribuzin	4.76 oz/a	A	
2 Abundit Edge	32 oz/a	A	
2 Fexapan	22 oz/a	A	
2 Abundit Edge	32 oz/a	B	
2 Fexapan	22 oz/a	B	
2 Cinch	1 pt/a	B	

3 Envive @ 3.5 oz			100.0 a
3 Classic	1.28 oz/a	A	
3 Valor SX	1.96 oz/a	A	
3 Thifensulfuron	0.208 oz/a	A	
3 Abundit Edge	32 oz/a	A	
3 Fexapan	22 oz/a	A	
3 Abundit Edge	32 oz/a	B	
3 Fexapan	22 oz/a	B	

4 Envive @ 3.5 oz			100.0 a
4 Classic	1.28 oz/a	A	
4 Valor SX	1.96 oz/a	A	
4 Thifensulfuron	0.208 oz/a	A	
4 Abundit Edge	32 oz/a	A	
4 Fexapan	22 oz/a	A	
4 Abundit Edge	32 oz/a	B	
4 Fexapan	22 oz/a	B	
4 Cinch	1 pt/a	B	

5 Canopy	6 oz/a	A	100.0 a
5 Cinch	1 pt/a	A	
5 Abundit Edge	32 oz/a	A	
5 Fexapan	22 oz/a	A	
5 Abundit Edge	32 oz/a	B	
5 Fexapan	22 oz/a	B	

Means followed by same letter or symbol do not significantly differ (P=.05, LSD)  
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.  
 Could not calculate LSD (% mean diff) for columns 2,9,14,19 because error mean square = 0.

# The Ohio State University

Pest Type W Weed  
 Pest Code ERICA  
 Pest Name Canada horsewe>  
 Rating Date Jul-7-2017  
 Rating Type CONTRO  
 Rating Unit %  
 Number of Subsamples 1 1  
 Days After First/Last Applic. 65 29  
 Trt-Eval Interval  
 Days After Emergence 39 DE-1

Trt No.	Treatment Name	Other Rate	Other Rate Unit	Appl Code	18	19
6	Canopy	6 oz/a		A	100.0	a
6	Cinch	1 pt/a		A		
6	Abundit Edge	32 oz/a		A		
6	Fexapan	22 oz/a		A		
6	Abundit Edge	32 oz/a		B		
6	Fexapan	22 oz/a		B		
6	Cinch	1 pt/a		B		
7	Trivence @ 8 oz				66.7	b
7	Valor SX	2 oz/a		A		
7	Classic	1.25 oz/a		A		
7	Metribuzin	4.76 oz/a		A		
7	Abundit Edge	32 oz/a		A		
7	Fexapan	22 oz/a		A		
7	Abundit Edge	32 oz/a		B		
8	Envive @ 3.5 oz				50.0	c
8	Classic	1.28 oz/a		A		
8	Valor SX	1.96 oz/a		A		
8	Thifensulfuron	0.208 oz/a		A		
8	Abundit Edge	32 oz/a		A		
8	Fexapan	22 oz/a		A		
8	Abundit Edge	32 oz/a		B		
9	Canopy	6 oz/a		A	50.0	c
9	Cinch	1 pt/a		A		
9	Abundit Edge	32 oz/a		A		
9	Fexapan	22 oz/a		A		
9	Abundit Edge	32 oz/a		B		
10	UTC				0.0	d
LSD P=.05					11.00	.
Standard Deviation					6.41	.
CV					8.36	.
Bartlett's X2					2.456	.
P(Bartlett's X2)					0.117	.
Replicate F					1.541	
Replicate Prob(F)					0.2412	
Treatment F					86.486	
Treatment Prob(F)					0.0001	

Means followed by same letter or symbol do not significantly differ (P=.05, LSD)  
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.  
 Could not calculate LSD (% mean diff) for columns 2,9,14,19 because error mean square = 0.

# The Ohio State University

## FeXapan in no-till 2 pass programs for RR2X soybeans

Trial ID: 17 FEXNT  
Protocol ID: 17 FEXNT  
Project ID: US 130 17 01

Location: F-10 MIDDLE Trial Year: 2017  
Investigator: Dr. Mark M. Loux  
Study Director: Bryan Reeb  
Sponsor Contact: Marsha Martin, DuPont

### Pest Type

W, Weed, G-BYRW7, G-WedStg = Weed or volunteer crop  
O, Other, G-BYRO7, G-OthStg = Other animal or nematode

### Pest Code

ERICA, Erigeron canadensis, Canada horseweed = US  
AMBTR, Ambrosia trifida, Giant ragweed = US  
ERYRE, Erysimum repandum, Bushy wallflower = US  
SENGL, Senecio glabellus, Cressleaf groundsel = US  
SETFA, Setaria faberi, Giant foxtail = US  
ECHCG, Echinochloa crus-galli, Common barnyard grass = US

### Rating Type

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

### Rating Unit

% = percent