

Weed control programs with FeXapan in RR2 Xtend soybean

Trial ID: SOY03-17 Study Dir.: Sprague, Powell, Stiles
 Conducted: Campus C-12 Investigator: Christy Sprague

Planting Date: May-9-2017 **Row Spacing:** 30 IN
Variety: Pioneer 24T84X **No. of Reps:** 4
Population: 155000 seeds/A **% OM:** 3.1
Soil Type: L loam **pH:** 7.4
Plot Size: 10 X 30 FT **Study Design:** Randomized Complete Block (RCB)

Tillage/Previous Crops: Fall chisel plow; spring soil finish twice
Fertilizer:

Crop and Weed Description

Weed	Code	Common Name	Scientific Name
1	ANGR	mainly foxtail species	Annual grass
2	CHEAL	lambsquarters, common	Chenopodium album
3	AMAPO	Powell amaranth	Amaranthus powellii
4	AMBEL	ragweed, common	Ambrosia artemisiifolia
5	ABUTH	velvetleaf	Abutilon theophrasti
6	SINAR	mustard, wild	Sinapis arvensis
Crop	Code	Common Name	
1	GLXMA	Soybean	

Application Description

	A	B
Application Timing:	PRE	POST
Date Treated:	May-9-2017	Jun-13-2017
Time Treated:	3:55 PM	11:35 AM
% Cloud Cover:	30	95
Air Temp., Unit:	65 F	83 F
% Relative Humidity:	30	59
Wind Speed/Unit/Dir:	1 mph SSW	4 mph NW
Soil Temp, Unit:	55 F	80 F
Leaf Moist/Dew Presence (Y/N):	5	5
Soil Moist:	3	5

Crop Stage at Each Application

	A	B
Crop 1 Name:	GLXMA	GLXMA
Height:		7 "
Stage:		V3

Weed Stage at Each Application

	A	B
Weed 1 Name:	ANGR	ANGR
Height:		1-6 " (3.5)
Stage:		3-4L
Weed 2 Name:	CHEAL	CHEAL
Height:		1-4 " (2.5)
Stage:		8-12L
Weed 3 Name:	AMAPO	AMAPO
Height:		2-4 " (3)
Stage:		6-8L
Weed 4 Name:	AMBEL	AMBEL
Height:		2-7 " (4.5)
Stage:		flower
Weed 5 Name:	ABUTH	ABUTH
Height:		
Stage:		
Weed 6 Name:	SINAR	SINAR
Height:		2-7 " (4)
Stage:		4-flow

Weed Density

	1	2	3	4	5	6
Date:	Jun-13-2017	Jun-13-2017	Jun-13-2017	Jun-13-2017	Jun-13-2017	Jun-13-2017
Weed Name:	ANGR	CHEAL	AMAPO	AMBEL	ABUTH	SINAR
Density:	31 FT2	19 FT2	8 FT2	1 FT2	0.25 FT2	0.25 FT2

Weed control programs with FeXapan in RR2 Xtend soybean

Trial ID: SOY03-17
 Conducted: Campus C-12

Study Dir.: Sprague, Powell, Stiles
 Investigator: Christy Sprague

Appl	Sprayer Type	Ground Speed	Nozzle Type	Nozzle Size	Application Equipment			Spray Volume	Carrier	Operation Pressure
					Nozzle Height	Nozzle Spacing	Boom Width			
A	Cub	3.8 MPH	AIXR	11003	22 "	20 "	100 "	19 GPA	WATER	30 PSI
B	Cub	3.8 MPH	TTI	11003	24 "	20 "	100 "	19 GPA	WATER	25 PSI

Comments: The common ragweed population at this location is resistant to the ALS-inhibiting (Group 2) herbicides.

Weed control programs with FeXapan in RR2 Xtend soybean

Trial ID: SOY03-17

Location: Campus C-12

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	GLXMA	ANGR	CHEAL	AMBEL	ABUTH
Crop Code	May-30-2017	May-30-2017	May-30-2017	May-30-2017	May-30-2017
Rating Date	injury	control	control	control	control
Rating Type	percent	percent	percent	percent	percent
Rating Unit	21 DA-A	21 DA-A	21 DA-A	21 DA-A	21 DA-A
Trt-Eval Interval	0	0	0	0	0
Number of Decimals					

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
1	Trivence	61.3	WG	8 oz/a	A	A	1	98	96	90	96
1	Abundit Edge	4.5	SL	22 fl oz/a	B	B					
1	FeXapan	2.9	SL	22 fl oz/a	B	B					
1	Intact		L	0.5 % v/v	B	B					
2	Trivence	61.3	WG	8 oz/a	A	A	0	96	94	83	96
2	Cinch	7.64	L	1 pt/a	B	B					
2	Abundit Edge	4.5	SL	22 fl oz/a	B	B					
2	FeXapan	2.9	SL	22 fl oz/a	B	B					
2	Intact		L	0.5 % v/v	B	B					
3	Envive	41.3	WG	3.5 oz/a	A	A	1	91	95	91	100
3	Abundit Edge	4.5	SL	22 fl oz/a	B	B					
3	FeXapan	2.9	SL	22 fl oz/a	B	B					
3	Intact		L	0.5 % v/v	B	B					
4	Envive	41.3	WG	3.5 oz/a	A	A	2	91	95	91	98
4	Cinch	7.64	L	1 pt/a	B	B					
4	Abundit Edge	4.5	SL	22 fl oz/a	B	B					
4	FeXapan	2.9	SL	22 fl oz/a	B	B					
4	Intact		L	0.5 % v/v	B	B					
5	Untreated						0	0	0	0	0
6	Canopy Blend	58.3	WG	5.75 oz/a	A	A	0	90	95	86	96
6	Cinch	7.64	L	1 pt/a	A	A					
6	Abundit Edge	4.5	SL	22 fl oz/a	B	B					
6	FeXapan	2.9	SL	22 fl oz/a	B	B					
6	Intact		L	0.5 % v/v	B	B					
7	Canopy Blend	58.3	WG	5.75 oz/a	A	A	0	97	91	78	95
7	Cinch	7.64	L	1 pt/a	A	A					
7	Cinch	7.64	L	1 pt/a	B	B					
7	Abundit Edge	4.5	SL	22 fl oz/a	B	B					
7	FeXapan	2.9	SL	22 fl oz/a	B	B					
7	Intact		L	0.5 % v/v	B	B					
8	Afforia	50.8	WG	2.5 oz/a	A	A	1	98	94	88	93
8	Abundit Edge	4.5	SL	22 fl oz/a	B	B					
8	FeXapan	2.9	SL	22 fl oz/a	B	B					
8	Intact		L	0.5 % v/v	B	B					
9	Afforia	50.8	WG	2.5 oz/a	A	A	0	97	88	86	96
9	Cinch	7.64	L	1 pt/a	B	B					
9	Abundit Edge	4.5	SL	22 fl oz/a	B	B					
9	FeXapan	2.9	SL	22 fl oz/a	B	B					
9	Intact		L	0.5 % v/v	B	B					

* Adjusted means

Could not calculate LSD (% mean diff) for columns 10,14,17,20,21,22,23,24,26,27,28,29,31,32,34 because error mean square = 0.

Weed control programs with FeXapan in RR2 Xtend soybean

Trial ID: SOY03-17

Location: Campus C-12

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code		ANGR	CHEAL	AMBEL	ABUTH
Crop Code	GLXMA				
Rating Date	May-30-2017	May-30-2017	May-30-2017	May-30-2017	May-30-2017
Rating Type	injury	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	21 DA-A	21 DA-A	21 DA-A	21 DA-A	21 DA-A
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
10	Zidua PRO	4.09	L	6	fl oz/a	A	0	94	96	86	98
10	Roundup PowerMax	4.5	SL	22	fl oz/a	B					
10	Engenia	5.5	SL	12.8	fl oz/a	B					
LSD P=.05							1.8	8.0	7.2	11.7	5.6
Standard Deviation							1.2	5.5	5.0	8.1	3.8
CV							263.12	6.47	5.89	10.34	4.42

* Adjusted means

Could not calculate LSD (% mean diff) for columns 10,14,17,20,21,22,23,24,26,27,28,29,31,32,34 because error mean square = 0.

Weed control programs with FeXapan in RR2 Xtend soybean

Trial ID: SOY03-17

Location: Campus C-12

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	GLXMA	ANGR	CHEAL	AMBEL	SINAR	GLXMA
Crop Code	Jun-12-2017	Jun-12-2017	Jun-12-2017	Jun-12-2017	Jun-12-2017	Jun-19-2017
Rating Date	injury	control	control	control	control	injury
Rating Type	percent	percent	percent	percent	percent	percent
Rating Unit	34 DA-A	34 DA-A	34 DA-A	34 DA-A	34 DA-A	6 DA-B
Trt-Eval Interval	0	0	0	0	0	0
Number of Decimals						

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*	*
1	Trivence	61.3	WG	8 oz/a	A		4	89	93	69	100	3
1	Abundit Edge	4.5	SL	22 fl oz/a	B							
1	FeXapan	2.9	SL	22 fl oz/a	B							
1	Intact		L	0.5 % v/v	B							
2	Trivence	61.3	WG	8 oz/a	A		5	85	85	65	100	17
2	Cinch	7.64	L	1 pt/a	B							
2	Abundit Edge	4.5	SL	22 fl oz/a	B							
2	FeXapan	2.9	SL	22 fl oz/a	B							
2	Intact		L	0.5 % v/v	B							
3	Envive	41.3	WG	3.5 oz/a	A		4	84	94	65	100	3
3	Abundit Edge	4.5	SL	22 fl oz/a	B							
3	FeXapan	2.9	SL	22 fl oz/a	B							
3	Intact		L	0.5 % v/v	B							
4	Envive	41.3	WG	3.5 oz/a	A		6	82	90	58	100	15
4	Cinch	7.64	L	1 pt/a	B							
4	Abundit Edge	4.5	SL	22 fl oz/a	B							
4	FeXapan	2.9	SL	22 fl oz/a	B							
4	Intact		L	0.5 % v/v	B							
5	Untreated						0	0	0	0	0	0
6	Canopy Blend	58.3	WG	5.75 oz/a	A		7	90	91	69	100	4
6	Cinch	7.64	L	1 pt/a	A							
6	Abundit Edge	4.5	SL	22 fl oz/a	B							
6	FeXapan	2.9	SL	22 fl oz/a	B							
6	Intact		L	0.5 % v/v	B							
7	Canopy Blend	58.3	WG	5.75 oz/a	A		6	88	86	65	100	16
7	Cinch	7.64	L	1 pt/a	A							
7	Cinch	7.64	L	1 pt/a	B							
7	Abundit Edge	4.5	SL	22 fl oz/a	B							
7	FeXapan	2.9	SL	22 fl oz/a	B							
7	Intact		L	0.5 % v/v	B							
8	Afforia	50.8	WG	2.5 oz/a	A		4	58	81	43	100	3
8	Abundit Edge	4.5	SL	22 fl oz/a	B							
8	FeXapan	2.9	SL	22 fl oz/a	B							
8	Intact		L	0.5 % v/v	B							
9	Afforia	50.8	WG	2.5 oz/a	A		4	58	76	41	100	15
9	Cinch	7.64	L	1 pt/a	B							
9	Abundit Edge	4.5	SL	22 fl oz/a	B							
9	FeXapan	2.9	SL	22 fl oz/a	B							
9	Intact		L	0.5 % v/v	B							

* Adjusted means

Could not calculate LSD (% mean diff) for columns 10,14,17,20,21,22,23,24,26,27,28,29,31,32,34 because error mean square = 0.

Weed control programs with FeXapan in RR2 Xtend soybean

Trial ID: SOY03-17

Location: Campus C-12

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code		ANGR	CHEAL	AMBEL	SINAR	
Crop Code	GLXMA					GLXMA
Rating Date	Jun-12-2017	Jun-12-2017	Jun-12-2017	Jun-12-2017	Jun-12-2017	Jun-19-2017
Rating Type	injury	control	control	control	control	injury
Rating Unit	percent	percent	percent	percent	percent	percent
Trt-Eval Interval	34 DA-A	34 DA-A	34 DA-A	34 DA-A	34 DA-A	6 DA-B
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*	*
10	Zidua PRO	4.09	L	6	fl oz/a	A	1	91	94	83	100	0
10	Roundup PowerMax	4.5	SL	22	fl oz/a	B						
10	Engenia	5.5	SL	12.8	fl oz/a	B						
	LSD P=.05						2.4	8.5	14.0	19.9	.	1.2
	Standard Deviation						1.6	5.9	9.7	13.7	0.0	0.9
	CV						41.1	8.12	12.24	24.59	0.0	11.5

* Adjusted means

Could not calculate LSD (% mean diff) for columns 10,14,17,20,21,22,23,24,26,27,28,29,31,32,34 because error mean square = 0.

Weed control programs with FeXapan in RR2 Xtend soybean

Trial ID: SOY03-17

Location: Campus C-12

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	ANGR	CHEAL	AMAPO	AMBEL	ABUTH	SINAR
Crop Code						
Rating Date	Jun-19-2017	Jun-19-2017	Jun-19-2017	Jun-19-2017	Jun-19-2017	Jun-19-2017
Rating Type	control	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent	percent
Trt-Eval Interval	6 DA-B	6 DA-B	6 DA-B	6 DA-B	6 DA-B	6 DA-B
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*	*
1	Trivence	61.3	WG	8 oz/a	A		98	96	100	87	96	100
1	Abundit Edge	4.5	SL	22 fl oz/a	B							
1	FeXapan	2.9	SL	22 fl oz/a	B							
1	Intact		L	0.5 % v/v	B							
2	Trivence	61.3	WG	8 oz/a	A		97	96	100	87	100	100
2	Cinch	7.64	L	1 pt/a	B							
2	Abundit Edge	4.5	SL	22 fl oz/a	B							
2	FeXapan	2.9	SL	22 fl oz/a	B							
2	Intact		L	0.5 % v/v	B							
3	Envive	41.3	WG	3.5 oz/a	A		96	99	100	86	100	100
3	Abundit Edge	4.5	SL	22 fl oz/a	B							
3	FeXapan	2.9	SL	22 fl oz/a	B							
3	Intact		L	0.5 % v/v	B							
4	Envive	41.3	WG	3.5 oz/a	A		95	98	100	87	100	100
4	Cinch	7.64	L	1 pt/a	B							
4	Abundit Edge	4.5	SL	22 fl oz/a	B							
4	FeXapan	2.9	SL	22 fl oz/a	B							
4	Intact		L	0.5 % v/v	B							
5	Untreated						0	0	0	0	0	0
6	Canopy Blend	58.3	WG	5.75 oz/a	A		99	99	100	88	100	100
6	Cinch	7.64	L	1 pt/a	A							
6	Abundit Edge	4.5	SL	22 fl oz/a	B							
6	FeXapan	2.9	SL	22 fl oz/a	B							
6	Intact		L	0.5 % v/v	B							
7	Canopy Blend	58.3	WG	5.75 oz/a	A		98	98	100	84	100	100
7	Cinch	7.64	L	1 pt/a	A							
7	Cinch	7.64	L	1 pt/a	B							
7	Abundit Edge	4.5	SL	22 fl oz/a	B							
7	FeXapan	2.9	SL	22 fl oz/a	B							
7	Intact		L	0.5 % v/v	B							
8	Afforia	50.8	WG	2.5 oz/a	A		91	96	100	80	100	100
8	Abundit Edge	4.5	SL	22 fl oz/a	B							
8	FeXapan	2.9	SL	22 fl oz/a	B							
8	Intact		L	0.5 % v/v	B							
9	Afforia	50.8	WG	2.5 oz/a	A		89	96	100	80	100	100
9	Cinch	7.64	L	1 pt/a	B							
9	Abundit Edge	4.5	SL	22 fl oz/a	B							
9	FeXapan	2.9	SL	22 fl oz/a	B							
9	Intact		L	0.5 % v/v	B							

* Adjusted means

Could not calculate LSD (% mean diff) for columns 10,14,17,20,21,22,23,24,26,27,28,29,31,32,34 because error mean square = 0.

Weed control programs with FeXapan in RR2 Xtend soybean

Trial ID: SOY03-17

Location: Campus C-12

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	ANGR	CHEAL	AMAPO	AMBEL	ABUTH	SINAR
Crop Code						
Rating Date	Jun-19-2017	Jun-19-2017	Jun-19-2017	Jun-19-2017	Jun-19-2017	Jun-19-2017
Rating Type	control	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent	percent
Trt-Eval Interval	6 DA-B	6 DA-B	6 DA-B	6 DA-B	6 DA-B	6 DA-B
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*	*
10	Zidua PRO	4.09	L	6	fl oz/a	A	99	99	100	92	100	100
10	Roundup PowerMax	4.5	SL	22	fl oz/a	B						
10	Engenia	5.5	SL	12.8	fl oz/a	B						
LSD P=.05							2.8	5.0	.	5.4	3.4	.
Standard Deviation							2.0	3.4	0.0	3.7	2.4	0.0
CV							2.28	3.91	0.0	4.82	2.65	0.0

* Adjusted means

Could not calculate LSD (% mean diff) for columns 10,14,17,20,21,22,23,24,26,27,28,29,31,32,34 because error mean square = 0.

Weed control programs with FeXapan in RR2 Xtend soybean

Trial ID: SOY03-17

Location: Campus C-12

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	GLXMA	ANGR	CHEAL	AMBEL	ABUTH	SINAR
Crop Code	Jun-27-2017	Jun-27-2017	Jun-27-2017	Jun-27-2017	Jun-27-2017	Jun-27-2017
Rating Date	injury	control	control	control	control	control
Rating Type	percent	percent	percent	percent	percent	percent
Rating Unit	14 DA-B	14 DA-B	14 DA-B	14 DA-B	14 DA-B	14 DA-B
Trt-Eval Interval	0	0	0	0	0	0
Number of Decimals						

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*	*
1	Trivence	61.3	WG	8 oz/a	A	A	4	100	100	100	100	100
1	Abundit Edge	4.5	SL	22 fl oz/a	B	B						
1	FeXapan	2.9	SL	22 fl oz/a	B	B						
1	Intact		L	0.5 % v/v	B	B						
2	Trivence	61.3	WG	8 oz/a	A	A	12	100	100	100	100	100
2	Cinch	7.64	L	1 pt/a	B	B						
2	Abundit Edge	4.5	SL	22 fl oz/a	B	B						
2	FeXapan	2.9	SL	22 fl oz/a	B	B						
2	Intact		L	0.5 % v/v	B	B						
3	Envive	41.3	WG	3.5 oz/a	A	A	3	99	100	100	100	100
3	Abundit Edge	4.5	SL	22 fl oz/a	B	B						
3	FeXapan	2.9	SL	22 fl oz/a	B	B						
3	Intact		L	0.5 % v/v	B	B						
4	Envive	41.3	WG	3.5 oz/a	A	A	12	99	100	100	100	100
4	Cinch	7.64	L	1 pt/a	B	B						
4	Abundit Edge	4.5	SL	22 fl oz/a	B	B						
4	FeXapan	2.9	SL	22 fl oz/a	B	B						
4	Intact		L	0.5 % v/v	B	B						
5	Untreated						0	0	0	0	0	0
6	Canopy Blend	58.3	WG	5.75 oz/a	A	A	3	100	100	100	100	100
6	Cinch	7.64	L	1 pt/a	A	A						
6	Abundit Edge	4.5	SL	22 fl oz/a	B	B						
6	FeXapan	2.9	SL	22 fl oz/a	B	B						
6	Intact		L	0.5 % v/v	B	B						
7	Canopy Blend	58.3	WG	5.75 oz/a	A	A	12	100	100	100	100	100
7	Cinch	7.64	L	1 pt/a	A	A						
7	Cinch	7.64	L	1 pt/a	B	B						
7	Abundit Edge	4.5	SL	22 fl oz/a	B	B						
7	FeXapan	2.9	SL	22 fl oz/a	B	B						
7	Intact		L	0.5 % v/v	B	B						
8	Afforia	50.8	WG	2.5 oz/a	A	A	3	100	100	100	100	100
8	Abundit Edge	4.5	SL	22 fl oz/a	B	B						
8	FeXapan	2.9	SL	22 fl oz/a	B	B						
8	Intact		L	0.5 % v/v	B	B						
9	Afforia	50.8	WG	2.5 oz/a	A	A	12	100	100	100	100	100
9	Cinch	7.64	L	1 pt/a	B	B						
9	Abundit Edge	4.5	SL	22 fl oz/a	B	B						
9	FeXapan	2.9	SL	22 fl oz/a	B	B						
9	Intact		L	0.5 % v/v	B	B						

* Adjusted means

Could not calculate LSD (% mean diff) for columns 10,14,17,20,21,22,23,24,26,27,28,29,31,32,34 because error mean square = 0.

Weed control programs with FeXapan in RR2 Xtend soybean

Trial ID: SOY03-17

Location: Campus C-12

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code		ANGR	CHEAL	AMBEL	ABUTH	SINAR
Crop Code	GLXMA					
Rating Date	Jun-27-2017	Jun-27-2017	Jun-27-2017	Jun-27-2017	Jun-27-2017	Jun-27-2017
Rating Type	injury	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent	percent
Trt-Eval Interval	14 DA-B	14 DA-B	14 DA-B	14 DA-B	14 DA-B	14 DA-B
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*	*
10	Zidua PRO	4.09	L	6	fl oz/a	A	0	100	100	100	100	100
10	Roundup PowerMax	4.5	SL	22	fl oz/a	B						
10	Engenia	5.5	SL	12.8	fl oz/a	B						
LSD P=.05							2.0	1.4
Standard Deviation							1.4	1.0	0.0	0.0	0.0	0.0
CV							23.1	1.07	0.0	0.0	0.0	0.0

* Adjusted means

Could not calculate LSD (% mean diff) for columns 10,14,17,20,21,22,23,24,26,27,28,29,31,32,34 because error mean square = 0.

Weed control programs with FeXapan in RR2 Xtend soybean

Trial ID: SOY03-17

Location: Campus C-12

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	ANGL	CHEAL	AMBEL	SINAR	GLXMA
Crop Code	GLXMA				GLXMA
Rating Date	Jul-11-2017	Jul-11-2017	Jul-11-2017	Jul-11-2017	Jul-25-2017
Rating Type	injury	control	control	control	injury
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	28 DA-B	28 DA-B	28 DA-B	28 DA-B	42 DA-B
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*	*
1	Trivence	61.3	WG	8 oz/a	A		0	85	100	100	100	0
1	Abundit Edge	4.5	SL	22 fl oz/a	B							
1	FeXapan	2.9	SL	22 fl oz/a	B							
1	Intact		L	0.5 % v/v	B							
2	Trivence	61.3	WG	8 oz/a	A		0	99	100	100	100	0
2	Cinch	7.64	L	1 pt/a	B							
2	Abundit Edge	4.5	SL	22 fl oz/a	B							
2	FeXapan	2.9	SL	22 fl oz/a	B							
2	Intact		L	0.5 % v/v	B							
3	Envive	41.3	WG	3.5 oz/a	A		0	85	100	100	100	0
3	Abundit Edge	4.5	SL	22 fl oz/a	B							
3	FeXapan	2.9	SL	22 fl oz/a	B							
3	Intact		L	0.5 % v/v	B							
4	Envive	41.3	WG	3.5 oz/a	A		0	98	100	100	100	0
4	Cinch	7.64	L	1 pt/a	B							
4	Abundit Edge	4.5	SL	22 fl oz/a	B							
4	FeXapan	2.9	SL	22 fl oz/a	B							
4	Intact		L	0.5 % v/v	B							
5	Untreated						0	0	0	0	0	0
6	Canopy Blend	58.3	WG	5.75 oz/a	A		0	95	100	100	100	0
6	Cinch	7.64	L	1 pt/a	A							
6	Abundit Edge	4.5	SL	22 fl oz/a	B							
6	FeXapan	2.9	SL	22 fl oz/a	B							
6	Intact		L	0.5 % v/v	B							
7	Canopy Blend	58.3	WG	5.75 oz/a	A		0	98	100	100	100	0
7	Cinch	7.64	L	1 pt/a	A							
7	Cinch	7.64	L	1 pt/a	B							
7	Abundit Edge	4.5	SL	22 fl oz/a	B							
7	FeXapan	2.9	SL	22 fl oz/a	B							
7	Intact		L	0.5 % v/v	B							
8	Afforia	50.8	WG	2.5 oz/a	A		0	80	100	100	100	0
8	Abundit Edge	4.5	SL	22 fl oz/a	B							
8	FeXapan	2.9	SL	22 fl oz/a	B							
8	Intact		L	0.5 % v/v	B							
9	Afforia	50.8	WG	2.5 oz/a	A		0	99	100	100	100	0
9	Cinch	7.64	L	1 pt/a	B							
9	Abundit Edge	4.5	SL	22 fl oz/a	B							
9	FeXapan	2.9	SL	22 fl oz/a	B							
9	Intact		L	0.5 % v/v	B							

* Adjusted means

Could not calculate LSD (% mean diff) for columns 10,14,17,20,21,22,23,24,26,27,28,29,31,32,34 because error mean square = 0.

Weed control programs with FeXapan in RR2 Xtend soybean

Trial ID: SOY03-17

Location: Campus C-12

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code		ANGR	CHEAL	AMBEL	SINAR	
Crop Code	GLXMA					GLXMA
Rating Date	Jul-11-2017	Jul-11-2017	Jul-11-2017	Jul-11-2017	Jul-11-2017	Jul-25-2017
Rating Type	injury	control	control	control	control	injury
Rating Unit	percent	percent	percent	percent	percent	percent
Trt-Eval Interval	28 DA-B	28 DA-B	28 DA-B	28 DA-B	28 DA-B	42 DA-B
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*	*
10	Zidua PRO	4.09	L	6	fl oz/a	A	0	98	100	100	100	0
10	Roundup PowerMax	4.5	SL	22	fl oz/a	B						
10	Engenia	5.5	SL	12.8	fl oz/a	B						
LSD P=.05							.	5.2
Standard Deviation							0.0	3.6	0.0	0.0	0.0	0.0
CV							0.0	4.26	0.0	0.0	0.0	0.0

* Adjusted means

Could not calculate LSD (% mean diff) for columns 10,14,17,20,21,22,23,24,26,27,28,29,31,32,34 because error mean square = 0.

Weed control programs with FeXapan in RR2 Xtend soybean

Trial ID: SOY03-17

Location: Campus C-12

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	ANGR	CHEAL	AMBEL	ABUTH	SINAR	GLXMA
Crop Code						
Rating Date	Jul-25-2017	Jul-25-2017	Jul-25-2017	Jul-25-2017	Jul-25-2017	Oct-18-2017
Rating Type	control	control	control	control	control	moisture
Rating Unit	percent	percent	percent	percent	percent	percent
Trt-Eval Interval	42 DA-B	42 DA-B	42 DA-B	42 DA-B	42 DA-B	127 DA-B
Number of Decimals	0	0	0	0	0	1

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*	*
1	Trivence	61.3	WG	8 oz/a	A	A	93	100	100	100	100	12.3
1	Abundit Edge	4.5	SL	22 fl oz/a	B	B						
1	FeXapan	2.9	SL	22 fl oz/a	B	B						
1	Intact		L	0.5 % v/v	B	B						
2	Trivence	61.3	WG	8 oz/a	A	A	99	100	100	100	100	12.1
2	Cinch	7.64	L	1 pt/a	B	B						
2	Abundit Edge	4.5	SL	22 fl oz/a	B	B						
2	FeXapan	2.9	SL	22 fl oz/a	B	B						
2	Intact		L	0.5 % v/v	B	B						
3	Envive	41.3	WG	3.5 oz/a	A	A	91	100	100	100	100	12.4
3	Abundit Edge	4.5	SL	22 fl oz/a	B	B						
3	FeXapan	2.9	SL	22 fl oz/a	B	B						
3	Intact		L	0.5 % v/v	B	B						
4	Envive	41.3	WG	3.5 oz/a	A	A	99	100	100	100	100	12.2
4	Cinch	7.64	L	1 pt/a	B	B						
4	Abundit Edge	4.5	SL	22 fl oz/a	B	B						
4	FeXapan	2.9	SL	22 fl oz/a	B	B						
4	Intact		L	0.5 % v/v	B	B						
5	Untreated						0	0	0	0	0	11.2
6	Canopy Blend	58.3	WG	5.75 oz/a	A	A	96	100	100	100	100	12.2
6	Cinch	7.64	L	1 pt/a	A	A						
6	Abundit Edge	4.5	SL	22 fl oz/a	B	B						
6	FeXapan	2.9	SL	22 fl oz/a	B	B						
6	Intact		L	0.5 % v/v	B	B						
7	Canopy Blend	58.3	WG	5.75 oz/a	A	A	99	100	100	100	100	12.2
7	Cinch	7.64	L	1 pt/a	A	A						
7	Cinch	7.64	L	1 pt/a	B	B						
7	Abundit Edge	4.5	SL	22 fl oz/a	B	B						
7	FeXapan	2.9	SL	22 fl oz/a	B	B						
7	Intact		L	0.5 % v/v	B	B						
8	Afforia	50.8	WG	2.5 oz/a	A	A	89	100	100	100	100	12.2
8	Abundit Edge	4.5	SL	22 fl oz/a	B	B						
8	FeXapan	2.9	SL	22 fl oz/a	B	B						
8	Intact		L	0.5 % v/v	B	B						
9	Afforia	50.8	WG	2.5 oz/a	A	A	100	100	100	99	100	12.2
9	Cinch	7.64	L	1 pt/a	B	B						
9	Abundit Edge	4.5	SL	22 fl oz/a	B	B						
9	FeXapan	2.9	SL	22 fl oz/a	B	B						
9	Intact		L	0.5 % v/v	B	B						

* Adjusted means

Could not calculate LSD (% mean diff) for columns 10,14,17,20,21,22,23,24,26,27,28,29,31,32,34 because error mean square = 0.

Weed control programs with FeXapan in RR2 Xtend soybean

Trial ID: SOY03-17

Location: Campus C-12

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	ANGR	CHEAL	AMBEL	ABUTH	SINAR	GLXMA
Crop Code						
Rating Date	Jul-25-2017	Jul-25-2017	Jul-25-2017	Jul-25-2017	Jul-25-2017	Oct-18-2017
Rating Type	control	control	control	control	control	moisture
Rating Unit	percent	percent	percent	percent	percent	percent
Trt-Eval Interval	42 DA-B	42 DA-B	42 DA-B	42 DA-B	42 DA-B	127 DA-B
Number of Decimals	0	0	0	0	0	1

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*	*
10	Zidua PRO	4.09	L	6	fl oz/a	A	100	100	100	100	100	12.0
10	Roundup PowerMax	4.5	SL	22	fl oz/a	B						
10	Engenia	5.5	SL	12.8	fl oz/a	B						
	LSD P=.05						3.5	.	.	1.1	.	0.43
	Standard Deviation						2.4	0.0	0.0	0.8	0.0	0.30
	CV						2.8	0.0	0.0	0.88	0.0	2.47

* Adjusted means

Could not calculate LSD (% mean diff) for columns 10,14,17,20,21,22,23,24,26,27,28,29,31,32,34 because error mean square = 0.

Weed control programs with FeXapan in RR2 Xtend soybean

Trial ID: SOY03-17

Location: Campus C-12

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	
Crop Code	GLXMA
Rating Date	Oct-18-2017
Rating Type	yield
Rating Unit	bu/acre
Trt-Eval Interval	at 13% M
Number of Decimals	1

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*
1	Trivence	61.3	WG	8 oz/a		A	53.9
1	Abundit Edge	4.5	SL	22 fl oz/a		B	
1	FeXapan	2.9	SL	22 fl oz/a		B	
1	Intact		L	0.5 % v/v		B	
2	Trivence	61.3	WG	8 oz/a		A	54.3
2	Cinch	7.64	L	1 pt/a		B	
2	Abundit Edge	4.5	SL	22 fl oz/a		B	
2	FeXapan	2.9	SL	22 fl oz/a		B	
2	Intact		L	0.5 % v/v		B	
3	Envive	41.3	WG	3.5 oz/a		A	52.7
3	Abundit Edge	4.5	SL	22 fl oz/a		B	
3	FeXapan	2.9	SL	22 fl oz/a		B	
3	Intact		L	0.5 % v/v		B	
4	Envive	41.3	WG	3.5 oz/a		A	54.7
4	Cinch	7.64	L	1 pt/a		B	
4	Abundit Edge	4.5	SL	22 fl oz/a		B	
4	FeXapan	2.9	SL	22 fl oz/a		B	
4	Intact		L	0.5 % v/v		B	
5	Untreated						14.1
6	Canopy Blend	58.3	WG	5.75 oz/a		A	51.0
6	Cinch	7.64	L	1 pt/a		A	
6	Abundit Edge	4.5	SL	22 fl oz/a		B	
6	FeXapan	2.9	SL	22 fl oz/a		B	
6	Intact		L	0.5 % v/v		B	
7	Canopy Blend	58.3	WG	5.75 oz/a		A	52.5
7	Cinch	7.64	L	1 pt/a		A	
7	Cinch	7.64	L	1 pt/a		B	
7	Abundit Edge	4.5	SL	22 fl oz/a		B	
7	FeXapan	2.9	SL	22 fl oz/a		B	
7	Intact		L	0.5 % v/v		B	
8	Afforia	50.8	WG	2.5 oz/a		A	55.7
8	Abundit Edge	4.5	SL	22 fl oz/a		B	
8	FeXapan	2.9	SL	22 fl oz/a		B	
8	Intact		L	0.5 % v/v		B	
9	Afforia	50.8	WG	2.5 oz/a		A	52.6
9	Cinch	7.64	L	1 pt/a		B	
9	Abundit Edge	4.5	SL	22 fl oz/a		B	
9	FeXapan	2.9	SL	22 fl oz/a		B	
9	Intact		L	0.5 % v/v		B	

* Adjusted means

Could not calculate LSD (% mean diff) for columns 10,14,17,20,21,22,23,24,26,27,28,29,31,32,34 because error mean square = 0.

Weed control programs with FeXapan in RR2 Xtend soybean

Trial ID: SOY03-17

Location: Campus C-12

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	
Crop Code	GLXMA
Rating Date	Oct-18-2017
Rating Type	yield
Rating Unit	bu/acre
Trt-Eval Interval	at 13% M
Number of Decimals	1

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*
10	Zidua PRO	4.09	L	6	fl oz/a	A	55.5
10	Roundup PowerMax	4.5	SL	22	fl oz/a	B	
10	Engenia	5.5	SL	12.8	fl oz/a	B	
	LSD P=.05						7.88
	Standard Deviation						5.41
	CV						10.93

* Adjusted means

Could not calculate LSD (% mean diff) for columns 10,14,17,20,21,22,23,24,26,27,28,29,31,32,34 because error mean square = 0.