

The Ohio State University

Evaluation of pre/post tank mixes in HT3 soybeans
 Trial ID: 18 HT3 Location: Trial Year: 2018
 Protocol ID: 18 HT3 Investigator: Dr. Mark M. Loux
 Project ID: 2018-01-N8-01 Study Director: Bryan Reeb
 Sponsor Contact: Rod Stevenson, Monsanto

General Trial Information

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

Discipline: H herbicide
Initiation Date: May-11-2018

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 °: 39.85793 N
Longitude of LL Corner °: 83.66999 W
Altitude of LL Corner, Unit: 1078.00 FT

Directions:

Lower left
 N 39.85793
 W -83.66999

Lower Right
 N 39.85748
 W -83.67001

Top Left
 N 39.85765
 W -83.66914

Top Right
 N 39.85742
 W -83.66917

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: HT3 **BBCH Scale:** BSOY
Planting Date: May-11-2018
Planting Method: PLANTD planted
Planting Equipment: FE field equipment
Emergence Date: May-17-2018
Planting Rate, Unit: 164000 S/A
Depth, Unit: 1.25 IN
Row Spacing, Unit: 15 IN
Soil Temperature, Unit: 61 F
Soil Moisture: NORMAL normal, adequate
Seed Bed: MEDIUM medium

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Pest Description

Pest 1 Type: W **Code:** SETFA *Setaria faberi*
Common Name: Giant foxtail

Pest 2 Type: W **Code:** ECHCG *Echinochloa crus-galli*
Common Name: Common barnyard grass

Pest 3 Type: W **Code:** AMBTR *Ambrosia trifida*
Common Name: Giant ragweed

Pest 4 Type: W **Code:** AMARE *Amaranthus retroflexus*
Common Name: Redroot pigweed

Pest 5 Type: W **Code:** CHEAL *Chenopodium album*
Common Name: common lambsquarters

Pest 6 Type: W **Code:** ABUTH *Abutilon theophrasti*
Common Name: velvetleaf

Pest 7 Type: W **Code:** IPOHE *Ipomoea hederacea*
Common Name: ivy-leaf morning glory

Pest 8 Type: W **Code:** SIDSP *Sida spinosa*
Common Name: Prickly sida

Pest 9 Type: W **Code:** HIBTR *Hibiscus trionum*
Common Name: Venice mallow

Site and Design

Treated Plot Width: 10 FT
Treated Plot Length: 25 FT
Treated Plot Area: 250 FT² **Treatments:** 16
Replications: 4

Site Type: FIELD field
Experimental Unit: 1 PLOT plot
Tillage Type: CONTIL conventional-till
Study Design: RACOB� Randomized Complete Block (RCB)

No. Previous Crop Year

1. CoRN 2017

Soil Description

Description Name: BIG E
% Sand: 45 **% OM:** 3.1 **Texture:** L loam
% Silt: 45 **pH:** 6.6 **Soil Name:** KOKOMO SILTY CLAY LOAM
% Clay: 11 **CEC:** 15.2 **Fert. Level:** G good
Soil Drainage: G good

Application Description

	A	B
Application Date:	May-11-2018	Jun-6-2018
Appl. Start Time:	9:15 AM	9:10 AM
Appl. Stop Time:	9:30 AM	12:25 AM
Interval to Prev. Appl., Unit:		26 DAYS
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	V3-V5,4"Weed
Application Placement:	BROSOI	BROFOL
Applied By:	Boden	Ackley,Lamb
Air Temperature, Unit:	61 F	59 F
% Relative Humidity:	78	73
Wind Velocity, Unit:	8 MPH	6 MPH
Wind Direction:	NE	NE
Dew Presence (Y/N):	N no	Y yes
Soil Temperature, Unit:	61 F	60 F
Soil Moisture:	NORMAL	NORMAL
% Cloud Cover:	15	0
Next Moisture Occurred On:	May-15-2018	Jun-8-2018
Time to Next Moisture, Unit:	4 DAY	2 DAY
Moisture 1 Week after Appl.:	0.43 IN	1.1 IN

Crop Stage At Each Application

	A	B
Crop 1 Code, BBCH Scale:	GLXMA BSOY	GLXMA BSOY
Stage Scale Used:		BBCH
Stage Majority, Percent:		13 100
Height, Unit:		7 IN
Height Minimum, Maximum:		6 8

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Pest Stage At Each Application

	A	B
Pest 1 Code, Type, Scale:	SETFA W	SETFA W
Stage Majority, Percent:	15	100
Height, Unit:	6	IN
Height Minimum, Maximum:	2	8
Density, Unit:	195	PLA/m2
Pest 2 Code, Type, Scale:	ECHCG W	ECHCG W
Stage Majority, Percent:	23	100
Height, Unit:	8	IN
Height Minimum, Maximum:	4	10
Density, Unit:	15	PLA/m2
Pest 3 Code, Type, Scale:	AMBTR W	AMBTR W
Stage Majority, Percent:	16	100
Height, Unit:	9	IN
Height Minimum, Maximum:	6	15
Density, Unit:	25	PLA/m2
Pest 4 Code, Type, Scale:	AMARE W	AMARE W
Density, Unit:	33	PLA/m2
Pest 5 Code, Type, Scale:	CHEAL W	CHEAL W
Stage Majority, Percent:	16	100
Height, Unit:	2	IN
Height Minimum, Maximum:	1	4
Density, Unit:	54	PLA/m2
Pest 6 Code, Type, Scale:	ABUTH W	ABUTH W
Stage Majority, Percent:	15	100
Height, Unit:	4	IN
Height Minimum, Maximum:	2	5
Density, Unit:	6	PLA/m2
Pest 7 Code, Type, Scale:	IPOHE W	IPOHE W
Stage Majority, Percent:	13	100
Height, Unit:	2	IN
Height Minimum, Maximum:	2	3
Density, Unit:	2	PLA/m2
Pest 8 Code, Type, Scale:	SIDSP W	SIDSP W
Stage Majority, Percent:	14	100
Height, Unit:	2	IN
Height Minimum, Maximum:	1	2
Density, Unit:	5	PLA/m2
Pest 9 Code, Type, Scale:	HIBTR W	HIBTR W
Stage Majority, Percent:	12	
Height, Unit:	2	IN
Height Minimum, Maximum:	1	2
Density, Unit:	6	PLA/m2

Application Equipment

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

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Pest Type	O Other	O Other	W Weed	W Weed	W Weed	W Weed			
Pest Code			SETFA	ECHCG	AMBTR	AMARE			
Pest Scientific Name			Setaria faberi	Echinochloa cr>	Ambrosia trifid>	Amaranthus ret>			
Pest Name			Giant foxtail	Common barnyar>	Giant ragweed	Redroot pigweed			
Rating Date	May-25-2018	Jun-25-2018	Jun-25-2018	Jun-25-2018	Jun-25-2018	Jun-25-2018			
Rating Type	PHYLMA	PHYNEC	CONTRO	CONTRO	CONTRO	CONTRO			
Rating Unit	%	%	%	%	%	%			
Number of Subsamples	1	1	1	1	1	1			
Days After First/Last Applic.	14 14	45 19	45 19	45 19	45 19	45 19			
Trt-Eval Interval	12 DA-A								
Plant-Eval Interval	14 DP-1	45 DP-1	45 DP-1	45 DP-1	45 DP-1	45 DP-1			
Days After Emergence	8 DE-1	39 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	1*	2*	3*	4*	5*	6*
1 Warrant	48 oz/a		A	8.3 b	0.9 ab	98.4 a-d	99.5 ab	96.3 ab	100.0 -
Xtendimax	22 oz/a		A						
Warrant Ultra	50 oz/a		B						
Xtendimax	22 oz/a		B						
Roundup Power Max	32 oz/a		B						
Intact	9.6 oz/a		B						
Class Act Ridion	19.2 oz/a		B						
2 Warrant	48 oz/a		A	8.3 b	0.0 b	98.7 a-d	99.2 ab	97.5 a	100.0 -
Xtendimax	22 oz/a		A						
Warrant	48 oz/a		B						
Xtendimax	22 oz/a		B						
Roundup Power Max	32 oz/a		B						
Intact	9.6 oz/a		B						
Class Act Ridion	19.2 oz/a		B						
3 Warrant	48 oz/a		A	8.0 b	0.0 b	99.9 a	99.9 a	96.3 ab	100.0 -
Xtendimax	22 oz/a		A						
Xtendimax	22 oz/a		B						
Roundup Power Max	32 oz/a		B						
Intact	9.6 oz/a		B						
Class Act Ridion	19.2 oz/a		B						
4 Warrant	48 oz/a		A	7.3 b	1.2 a	91.3 d	88.9 bc	76.3 c	100.0 -
Xtendimax	22 oz/a		A						
Warrant Ultra	50 oz/a		B						
Liberty	32 oz/a		B						
Roundup Power Max	32 oz/a		B						
N-pak ams	1.2 qt/a		B						
5 Warrant	48 oz/a		A	9.0 b	0.0 b	99.5 abc	99.9 a	85.0 abc	100.0 -
Xtendimax	22 oz/a		A						
Warrant	48 oz/a		B						
Liberty	32 oz/a		B						
Roundup Power Max	32 oz/a		B						
N-pak ams	1.2 qt/a		B						
6 Warrant	48 oz/a		A	8.5 b	0.0 b	97.4 a-d	95.9 abc	78.8 bc	100.0 -
Xtendimax	22 oz/a		A						
Liberty	32 oz/a		B						
Roundup Power Max	32 oz/a		B						
N-pak ams	1.2 qt/a		B						
7 Warrant	48 oz/a		A	8.3 b	0.9 ab	68.9 e	66.8 d	88.8 abc	100.0 -
Tricor 4F	8 oz/a		A						
Warrant Ultra	50 oz/a		B						
Xtendimax	22 oz/a		B						
Roundup Power Max	32 oz/a		B						
Intact	9.6 oz/a		B						
Class Act Ridion	19.2 oz/a		B						
8 Warrant	48 oz/a		A	7.3 b	0.2 b	93.7 bcd	96.3 abc	90.0 abc	100.0 -
Tricor 4F	8 oz/a		A						
Warrant	48 oz/a		B						
Xtendimax	22 oz/a		B						
Roundup Power Max	32 oz/a		B						
Intact	9.6 oz/a		B						
Class Act Ridion	19.2 oz/a		B						

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls)

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Pest Type	O	O	W	W	W	W			
Pest Code	Other	Other	Weed	Weed	Weed	Weed			
Pest Scientific Name			SETFA	ECHCG	AMBTR	AMARE			
			Setaria faberi	Echinochloa cr>	Ambrosia trifi>	Amaranthus ret>			
Pest Name			Giant foxtail	Common barnyar>	Giant ragweed	Redroot pigweed			
Rating Date	May-25-2018	Jun-25-2018	Jun-25-2018	Jun-25-2018	Jun-25-2018	Jun-25-2018			
Rating Type	PHYLMA	PHYNEC	CONTRO	CONTRO	CONTRO	CONTRO			
Rating Unit	%	%	%	%	%	%			
Number of Subsamples	1	1	1	1	1	1			
Days After First/Last Applic.	14 14	45 19	45 19	45 19	45 19	45 19			
Trt-Eval Interval	12 DA-A								
Plant-Eval Interval	14 DP-1	45 DP-1	45 DP-1	45 DP-1	45 DP-1	45 DP-1			
Days After Emergence	8 DE-1	39 DE-1	39 DE-1	39 DE-1	39 DE-1	39 DE-1			
Trt No.	Other Rate	Other Rate	Appl Unit Code	1*	2*	3*	4*	5*	6*
9 Warrant	48 oz/a		A	8.3 b	0.0 b	93.0 cd	93.0 abc	95.0 ab	100.0 -
Tricor 4F	8 oz/a		A						
Xtendimax	22 oz/a		B						
Roundup Power Max	32 oz/a		B						
Intact	9.6 oz/a		B						
Class Act Ridion	19.2 oz/a		B						
10 Warrant	48 oz/a		A	7.8 b	0.9 ab	97.8 a-d	97.1 abc	60.0 d	100.0 -
Tricor 4F	8 oz/a		A						
Warrant Ultra	50 oz/a		B						
Liberty	32 oz/a		B						
Roundup Power Max	32 oz/a		B						
N-pak ams	1.2 qt/a		B						
11 Warrant	48 oz/a		A	8.5 b	0.4 ab	95.7 a-d	95.7 abc	73.8 c	100.0 -
Tricor 4F	8 oz/a		A						
Warrant	48 oz/a		B						
Liberty	32 oz/a		B						
Roundup Power Max	32 oz/a		B						
N-pak ams	1.2 qt/a		B						
12 Warrant	48 oz/a		A	9.5 b	0.0 b	90.6 d	84.8 c	58.8 d	100.0 -
Tricor 4F	8 oz/a		A						
Liberty	32 oz/a		B						
Roundup Power Max	32 oz/a		B						
N-pak ams	1.2 qt/a		B						
13 Fierce	3 oz/a		A	20.0 a	0.0 b	99.5 abc	98.9 ab	97.0 a	100.0 -
Warrant	48 oz/a		B						
Xtendimax	22 oz/a		B						
Roundup Power Max	32 oz/a		B						
Intact	9.6 oz/a		B						
Class Act Ridion	19.2 oz/a		B						
14 Fierce	3 oz/a		A	20.8 a	0.0 b	100.0 a	98.9 ab	75.0 c	100.0 -
Warrant	48 oz/a		B						
Liberty	32 oz/a		B						
Roundup Power Max	32 oz/a		B						
N-pak ams	1.2 qt/a		B						
15 Fierce	3 oz/a		A	22.5 a	0.0 b	99.7 ab	97.8 abc	76.3 c	100.0 -
Liberty	32 oz/a		B						
Roundup Power Max	32 oz/a		B						
N-pak ams	1.2 qt/a		B						
16 UTC				7.0 b	0.0 b	0.0 f	0.0 e	0.0 e	0.0 -
LSD P=.05				2.59	0.53 - 0.64	1.60 - 11.01	3.77 - 14.22	11.44	.
Standard Deviation				1.82	0.19t	5.10t	6.57t	8.03	0.00
CV				17.23	22.27t	6.83t	8.92t	10.33	0.0
Levene's F				1.45	2.18	0.908	0.663	4.07	0.00
Levene's Prob(F)				0.163	0.021*	0.561	0.807	0.001*	.
Skewness				1.4622*	1.503*	-2.6699*	-2.5449*	-1.9744*	-3.7021*
Kurtosis				1.0451	0.8532	7.0838*	6.3765*	3.998*	12.0825*
Replicate F				2.703	0.755	1.262	0.189	1.496	0.000
Replicate Prob(F)				0.0566	0.5254	0.2988	0.9032	0.2285	1.0000
Treatment F				33.631	5.591	71.584	42.645	36.439	0.000
Treatment Prob(F)				0.0001	0.0001	0.0001	0.0001	0.0001	1.0000

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed					
Pest Code	CHEAL	SIDSP	HIBTR	ABUTH	IPHOE					
Pest Scientific Name	Chenopodium al-	Sida spinosa	Hibiscus trion>	Abutilon theop>	Ipomoea heder>					
Pest Name	common lambsqu>	Prickly sida	Venice mallow	velvetleaf	ivy-leaf morni>					
Rating Date	Jun-25-2018	Jun-25-2018	Jun-25-2018	Jun-25-2018	Jun-25-2018					
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO					
Rating Unit	%	%	%	%	%					
Number of Subsamples	1	1	1	1	1					
Days After First/Last Applic.	45 19	45 19	45 19	45 19	45 19					
Trt-Eval Interval										
Plant-Eval Interval	45 DP-1	45 DP-1	45 DP-1	45 DP-1	45 DP-1					
Days After Emergence	39 DE-1	39 DE-1	39 DE-1	39 DE-1	39 DE-1					
Trt No.	Treatment Name	Other Rate	Other Rate	Appl Unit Code	7*	8*	9*	10*	11*	12
1	Warrant	48 oz/a		A	100.0 a	99.9 a	98.8 a	98.8 a		100.0 a
	Xtendimax	22 oz/a		A						
	Warrant Ultra	50 oz/a		B						
	Xtendimax	22 oz/a		B						
	Roundup Power Max	32 oz/a		B						
	Intact	9.6 oz/a		B						
	Class Act Ridion	19.2 oz/a		B						
2	Warrant	48 oz/a		A	100.0 a	100.0 a	100.0 a	100.0 a		99.4 a
	Xtendimax	22 oz/a		A						
	Warrant	48 oz/a		B						
	Xtendimax	22 oz/a		B						
	Roundup Power Max	32 oz/a		B						
	Intact	9.6 oz/a		B						
	Class Act Ridion	19.2 oz/a		B						
3	Warrant	48 oz/a		A	100.0 a	100.0 a	100.0 a	100.0 a		99.7 a
	Xtendimax	22 oz/a		A						
	Xtendimax	22 oz/a		B						
	Roundup Power Max	32 oz/a		B						
	Intact	9.6 oz/a		B						
	Class Act Ridion	19.2 oz/a		B						
4	Warrant	48 oz/a		A	98.8 a	95.0 c	100.0 a	91.3 b		96.2 a
	Xtendimax	22 oz/a		A						
	Warrant Ultra	50 oz/a		B						
	Liberty	32 oz/a		B						
	Roundup Power Max	32 oz/a		B						
	N-pak ams	1.2 qt/a		B						
5	Warrant	48 oz/a		A	99.5 a	100.0 a	100.0 a	96.3 ab		100.0 a
	Xtendimax	22 oz/a		A						
	Warrant	48 oz/a		B						
	Liberty	32 oz/a		B						
	Roundup Power Max	32 oz/a		B						
	N-pak ams	1.2 qt/a		B						
6	Warrant	48 oz/a		A	100.0 a	100.0 a	98.8 a	97.5 a		99.7 a
	Xtendimax	22 oz/a		A						
	Liberty	32 oz/a		B						
	Roundup Power Max	32 oz/a		B						
	N-pak ams	1.2 qt/a		B						
7	Warrant	48 oz/a		A	98.8 a	99.7 ab	100.0 a	96.3 ab		99.7 a
	Tricor 4F	8 oz/a		A						
	Warrant Ultra	50 oz/a		B						
	Xtendimax	22 oz/a		B						
	Roundup Power Max	32 oz/a		B						
	Intact	9.6 oz/a		B						
	Class Act Ridion	19.2 oz/a		B						
8	Warrant	48 oz/a		A	98.3 a	99.2 ab	100.0 a	98.8 a		98.7 a
	Tricor 4F	8 oz/a		A						
	Warrant	48 oz/a		B						
	Xtendimax	22 oz/a		B						
	Roundup Power Max	32 oz/a		B						
	Intact	9.6 oz/a		B						
	Class Act Ridion	19.2 oz/a		B						

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Pest Name	common lambsqu>	Prickly sida	Venice mallow	velvetleaf	ivy-leaf morni>					
Rating Date	Jun-25-2018	Jun-25-2018	Jun-25-2018	Jun-25-2018	Jun-25-2018					
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO					
Rating Unit	%	%	%	%	%					
Number of Subsamples	1	1	1	1	1					
Days After First/Last Applic.	45 19	45 19	45 19	45 19	45 19					
Trt-Eval Interval										
Plant-Eval Interval	45 DP-1	45 DP-1	45 DP-1	45 DP-1	45 DP-1					
Days After Emergence	39 DE-1	39 DE-1	39 DE-1	39 DE-1	39 DE-1					
Trt No.	Treatment Name	Other Rate	Other Rate	Appl Unit Code	7*	8*	9*	10*	11*	12
9	Warrant	48 oz/a		A	100.0 a	100.0 a	100.0 a	98.3 a		99.4 a
	Tricor 4F	8 oz/a		A						
	Xtendimax	22 oz/a		B						
	Roundup Power Max	32 oz/a		B						
	Intact	9.6 oz/a		B						
	Class Act Ridion	19.2 oz/a		B						
10	Warrant	48 oz/a		A	98.8 a	100.0 a	100.0 a	98.8 a		95.0 a
	Tricor 4F	8 oz/a		A						
	Warrant Ultra	50 oz/a		B						
	Liberty	32 oz/a		B						
	Roundup Power Max	32 oz/a		B						
	N-pak ams	1.2 qt/a		B						
11	Warrant	48 oz/a		A	100.0 a	100.0 a	100.0 a	98.8 a		100.0 a
	Tricor 4F	8 oz/a		A						
	Warrant	48 oz/a		B						
	Liberty	32 oz/a		B						
	Roundup Power Max	32 oz/a		B						
	N-pak ams	1.2 qt/a		B						
12	Warrant	48 oz/a		A	96.3 a	97.4 bc	100.0 a	97.5 a		96.8 a
	Tricor 4F	8 oz/a		A						
	Liberty	32 oz/a		B						
	Roundup Power Max	32 oz/a		B						
	N-pak ams	1.2 qt/a		B						
13	Fierce	3 oz/a		A	100.0 a	100.0 a	100.0 a	100.0 a		100.0 a
	Warrant	48 oz/a		B						
	Xtendimax	22 oz/a		B						
	Roundup Power Max	32 oz/a		B						
	Intact	9.6 oz/a		B						
	Class Act Ridion	19.2 oz/a		B						
14	Fierce	3 oz/a		A	100.0 a	100.0 a	100.0 a	100.0 a		100.0 a
	Warrant	48 oz/a		B						
	Liberty	32 oz/a		B						
	Roundup Power Max	32 oz/a		B						
	N-pak ams	1.2 qt/a		B						
15	Fierce	3 oz/a		A	100.0 a	100.0 a	100.0 a	100.0 a		100.0 a
	Liberty	32 oz/a		B						
	Roundup Power Max	32 oz/a		B						
	N-pak ams	1.2 qt/a		B						
16	UTC				0.0 b	0.0 d	0.0 b	0.0 c		0.0 b
	LSD P=.05				2.50	0.77 - 3.11	1.22	4.31		3.20 - 4.78
	Standard Deviation				1.76	3.53t	0.85	3.02		7.23t
	CV				1.89	4.29t	0.91	3.29		8.97t
	Levene's F				2.435	6.857	0.933	1.172		3.349
	Levene's Prob(F)				0.01*	0.001*	0.535	0.325		0.001*
	Skewness				-3.6682*	-3.4126*	-3.6942*	-3.5725*		-3.032*
	Kurtosis				11.9144*	10.6025*	12.0435*	11.4388*		8.6087*
	Replicate F				0.626	2.030	2.143	3.164		2.860
	Replicate Prob(F)				0.6021	0.1231	0.1080	0.0335		0.0473
	Treatment F				800.493	159.449	3418.143	265.605		36.776
	Treatment Prob(F)				0.0001	0.0001	0.0001	0.0001		0.0001

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls)

t=Mean descriptions are reported in transformed data units, and are not de-transformed.

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

* Adjusted means

Could not calculate LSD (% mean diff) for columns 6,12 because error mean square = 0.

The Ohio State University

Evaluation of pre/post tank mixes in HT3 soybeans

Trial ID: 18 HT3 Location: Trial Year: 2018
Protocol ID: 18 HT3 Investigator: Dr. Mark M. Loux
Project ID: 2018-01-N8-01 Study Director: Bryan Reeb
Sponsor Contact: Rod Stevenson, Monsanto

Pest Type

O, Other, G-BYRO7, G-OthStg = Other animal or nematode

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

Pest Code

SETFA, Setaria faberi, Giant foxtail = US

ECHCG, Echinochloa crus-galli, Common barnyard grass = US

AMBTR, Ambrosia trifida, Giant ragweed = US

AMARE, Amaranthus retroflexus, Redroot pigweed = US

CHEAL, Chenopodium album, common lambsquarters = US

SIDSP, Sida spinosa, Prickly sida = US

HIBTR, Hibiscus trionum, Venice mallow = US

ABUTH, Abutilon theophrasti, velvetleaf = US

IPOHE, Ipomoea hederacea, ivy-leaf morning glory = US

Rating Type

PHYLMA = phytotoxicity - leaf malformation

PHYNEC = phytotoxicity - necrosis /burn

CONTRO = control / burndown or knockdown

Rating Unit

% = percent

Plant-Eval Interval

14 DP-1 = 1 GLXMA May-11-2018

45 DP-1 = 1 GLXMA May-11-2018