

The Ohio State University

METRIBUZIN RATE TITRATION IN SOYBEANS

Trial ID: 22USBMET
 Protocol ID: SMTZRATES Location: Entomology West 1
 Project ID: Project ID 2: Project ID 3:
 Study Director: Sponsor Contact:
 Investigator (Creator): Dr. Mark M. Loux

Cooperator Trial ID:
 Trial Year: 2022

Status: E established
 ARM Trial Created On: Mar-17-2022

Trial Location

Address (Location): 7721 South Charleston Pike
 City: South Charleston Country: USA United States
 State/Prov.: Ohio
 Postal Code: 45368

Latitude of LL Corner °: 39.85577 N
 Longitude of LL Corner °: -83.66882 W
 Altitude of LL Corner: 1092.00 FT

Conducted Under GLP: No
 Conducted Under GEP: No
 None

Crop Description

Crop 1: CGLXMA Glycine max Soybean BBCH Scale: BSOY
 Entry Date: May-25-2022 Stage Scale: BBCH
 Variety: Pioneer P35T15E
 Attributes: 2,4-D Choline, Glyphosate, Glufosinate Tol
 Planting Date: May-24-2022 Planting Rate: 150000 S/A
 Depth: 1.5 IN
 Rows per Plot: 4 Planting Method: PLANTD planted
 Row Spacing: 30 IN Planting Equipment: FE field equipment
 Seed Bed: SMOOTH smooth
 Soil Temperature: 73 F Soil Moisture: DRY dry
 Emergence Date: May-31-2022

Site and Design

Treated Plot Width: 10 FT Site Type: FIELD field
 Treated Plot Length: 30 FT Experimental Unit: 1 PLOT plot
 Treated Plot Area: 300.0 FT² Tillage Type: CONTIL conventional-till
 Replications: 4 Treatments: 18 Plots: 72 Study Design: RACOB L Randomized Complete Block (RCB)

Previous

No. Crop Year
 1. SOYBEAN2021

Soil Description

Description Name: Entomology W-1
 % Sand: 35 % OM: 2.3 Texture: L loam
 % Silt: 40 Soil Name: Crosby
 % Clay: 25 Fert. Level: G good
 pH: 6.6 CEC: 12.7
 Soil Drainage: G good

Application Description

Application Date May-24-2022 A
 Appl. Start Time 7:45 PM
 Appl. Stop Time 8:15 PM
 Application Method SPRAY
 Application Timing VA
 Application Placement BROSOI
 Applied By Loux
 Appl. Entry Date May-25-2022
 Air Temperature Start, Stop 71, 71 F
 % Relative Humidity Start, Stop 56, 56
 Wind Velocity+Dir. Start 6 MPH, ESE
 Wind Velocity+Dir. Stop 6 MPH, ESE
 Wind Velocity+Dir. Max 6 MPH, ESE
 Wet Leaves (Y/N) N, no
 Soil Temperature 71 F
 Soil Moisture DRY
 Soil Surface Condition SMOOTH
 % Cloud Cover 25
 Next Moisture Occurred On May-25-2022
 Time to Next Moisture 1.0 DAY
 Moisture 6 Hours after Appl. 0 IN
 Moisture 1 Week after Appl. 1.08 IN

Crop Stage At Each Application

Crop 1 Code, BBCH Scale GLXMA, BSOY
 Days after Emergence -7

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Application Equipment

Appl. Equipment 6' TT ^A
 Equipment Type BACCAI
 Operation Pressure 44 PSI
 Nozzle Model 110015
 Nozzle Type TT
 Nozzle Spacing 18 IN
 Boom Length 6.67 FT
 Boom Height 20 IN
 Ground Speed 3 MPH
 Carrier WATER
 Water Hardness (ppm CaCO3) 250
 Application Amount 15 GAL/AC
 Mix Size 1 L
 Spray pH 7.8
 Propellant COMCO2

Notes

Context	Date	By	Notes
STATUS	Mar-17-2022	Dr. Mark M. Loux	Automatically added by ARM: Trial Status updated to 'S' during trial creation.
STATUS	Jun-22-2022	Dr. Mark M. Loux	Automatically added by ARM: Trial Status updated to 'E' when Rating Date entered.

Pest Type					W, Weed
Pest Code					SETFA
Pest Scientific Name					Setaria faberi
Pest Name					Giant foxtail
Crop Type, Code	C, GLXMA	C, GLXMA	C, GLXMA	C, GLXMA	
Crop Name	Soybean	Soybean	Soybean	Soybean	
Rating Date	Jun-7-2022	Jun-7-2022	Jun-7-2022	Jun-7-2022	Jun-7-2022
Rating Type	PHYSTU	PHYCHL	PHYNEC	PHYLMA	CONTRO
Rating Unit/Min/Max	% , 0, 100	% , 0, 100	% , 0, 100	% , 0, 100	% , 0, 100
Number of Subsamples	1	1	1	1	1
Data Entry Date	Jun-8-2022	Jun-8-2022	Jun-8-2022	Jun-8-2022	Jun-8-2022
Days After First/Last Applic.	14, 14	14, 14	14, 14	14, 14	14, 14
Trt-Eval Interval	14 DA-A	14 DA-A	14 DA-A	14 DA-A	14 DA-A
Plant-Eval Interval	14 DP-1	14 DP-1	14 DP-1	14 DP-1	14 DP-1
Days After Emergence	7 DE-1	7 DE-1	7 DE-1	7 DE-1	7 DE-1
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	Appl Description	1*	2*	3*	4*	5*
1	UNTREATED					4b	1-	2-	0-	15c
2	HANDWEEDED CHECK					8ab	1-	2-	0-	87ab
3	METRICOR DF	0.1875	lb ai/a	A	PREEMERGENCE	6ab	1-	3-	0-	65ab
4	METRICOR DF	0.2343	lb ai/a	A	PREEMERGENCE	8ab	1-	2-	0-	63ab
5	METRICOR DF	0.2812	lb ai/a	A	PREEMERGENCE	5b	0-	2-	0-	50b
6	METRICOR DF	0.3282	lb ai/a	A	PREEMERGENCE	10ab	1-	2-	0-	60ab
7	METRICOR DF	0.375	lb ai/a	A	PREEMERGENCE	8ab	0-	2-	0-	63ab
8	METRICOR DF	0.4218	lb ai/a	A	PREEMERGENCE	7ab	0-	2-	0-	66ab
9	METRICOR DF	0.4687	lb ai/a	A	PREEMERGENCE	7ab	1-	2-	0-	70ab
10	METRICOR DF	0.5156	lb ai/a	A	PREEMERGENCE	6ab	1-	2-	0-	68ab
11	METRICOR DF	0.5625	lb ai/a	A	PREEMERGENCE	5b	1-	2-	0-	65ab
12	METRICOR DF	0.6093	lb ai/a	A	PREEMERGENCE	8ab	1-	2-	0-	65ab
13	METRICOR DF	0.6562	lb ai/a	A	PREEMERGENCE	6ab	0-	1-	0-	68ab
14	METRICOR DF	0.7031	lb ai/a	A	PREEMERGENCE	6ab	1-	2-	0-	63ab
15	METRICOR DF	0.75	lb ai/a	A	PREEMERGENCE	9ab	1-	2-	1-	70ab
16	SPARTAN 4F	0.375	lb ai/a	A	PREEMERGENCE	14a	2-	4-	0-	86ab

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Cooperator Trial ID:
 Trial Year: 2022

Pest Type	W, Weed				
Pest Code	SETFA				
Pest Scientific Name	Setaria faberi				
Pest Name	Giant foxtail				
Crop Type, Code	C, GLXMA	C, GLXMA	C, GLXMA	C, GLXMA	
Crop Name	Soybean	Soybean	Soybean	Soybean	
Rating Date	Jun-7-2022	Jun-7-2022	Jun-7-2022	Jun-7-2022	Jun-7-2022
Rating Type	PHYSTU	PHYCHL	PHYNEC	PHYLMA	CONTRO
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Number of Subsamples	1	1	1	1	1
Data Entry Date	Jun-8-2022	Jun-8-2022	Jun-8-2022	Jun-8-2022	Jun-8-2022
Days After First/Last Applic.	14, 14	14, 14	14, 14	14, 14	14, 14
Trt-Eval Interval	14 DA-A	14 DA-A	14 DA-A	14 DA-A	14 DA-A
Plant-Eval Interval	14 DP-1	14 DP-1	14 DP-1	14 DP-1	14 DP-1
Days After Emergence	7 DE-1	7 DE-1	7 DE-1	7 DE-1	7 DE-1
Number of Decimals	0	0	0	0	0
Trt Treatment	Rate	Appl Unit	Appl Code	Description	
No. Name	Rate	Unit	Code	Description	
17	DUAL MAGNUM (7.62EC)	1.59485lb ai/a	A	PREEMERGENCE	10ab 1- 3- 1- 91a
18	UNTREATED				3b 0- 2- 0- 18c
LSD P=.05	4.7	1.0	1.4	0.9	22.2
Standard Deviation	3.3	0.7	1.0	0.6	15.6
CV	46.91	144.62	50.55	639.4	24.89
Grand Mean	7.1	0.5	1.9	0.1	62.8
Levene's F^	0.753	0.12	0.862	0.712	1.617
Levene's Prob(F)	0.735	1.00	0.618	0.777	0.092
Rank X2	.	.	.	.	.
P(Rank X2)	.	.	.	.	.
Skewness^	0.0498	0.1492	-0.1227	3.7624*	0.0621
Kurtosis^	-0.0468	-0.7971	0.1102	26.8398*	-0.493
Replicate F	6.584	9.775	1.462	1.761	1.017
Replicate Prob(F)	0.0008	0.0001	0.2358	0.1663	0.3931
Treatment F	2.377	1.350	1.588	1.000	6.381
Treatment Prob(F)	0.0089	0.2016	0.1028	0.4736	0.0001

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Pest Type	W, Weed	W, Weed	W, Weed	W, Weed
Pest Code	AMATA	GLXMA	AMATA	AMATA
Pest Scientific Name	Amaranthus x ta>	Glycine max	Amaranthus x ta>	Amaranthus x ta>
Pest Name	common water he>	Soybean	common water he>	common water he>
Crop Type, Code				
Crop Name				
Rating Date	Jun-7-2022	Jun-21-2022	Jun-21-2022	Jun-24-2022
Rating Type	CONTRO	HEIGHT	COUPLA	BIOMASS
Rating Unit/Min/Max	%, 0, 100	CM, -, -	M2, -, -	grams, -, -
Number of Subsamples	1	6	1	1
Data Entry Date	Jun-8-2022	Jun-21-2022	Jun-22-2022	Jun-24-2022
Days After First/Last Applic.	14, 14	28, 28	28, 28	31, 31
Trt-Eval Interval	14 DA-A	28 DA-A	28 DA-A	31 DA-A
Plant-Eval Interval	14 DP-1	28 DP-1	28 DP-1	31 DP-1
Days After Emergence	7 DE-1	21 DE-1	21 DE-1	24 DE-1
Number of Decimals	0	0	0	2
Trt Treatment	Rate	Rate	Appl	Appl
No. Name	Unit	Code	Description	
1 UNTREATED				18b 14- 163b 12.76a
2 HANDWEEDED CHECK				100a 13- 0c 0.24b
3 METRICOR DF	0.1875 lb ai/a A	PREEMERGENCE		100a 14- 2c 0.03b
4 METRICOR DF	0.2343 lb ai/a A	PREEMERGENCE		100a 14- 12c 0.43b
5 METRICOR DF	0.2812 lb ai/a A	PREEMERGENCE		100a 14- 4c 0.03b
6 METRICOR DF	0.3282 lb ai/a A	PREEMERGENCE		100a 14- 1c 0.00b
7 METRICOR DF	0.375 lb ai/a A	PREEMERGENCE		100a 0c 0.00b
8 METRICOR DF	0.4218 lb ai/a A	PREEMERGENCE		100a 0c 0.00b
9 METRICOR DF	0.4687 lb ai/a A	PREEMERGENCE		100a 0c 0.00b
10 METRICOR DF	0.5156 lb ai/a A	PREEMERGENCE		100a 0c -0.35b
11 METRICOR DF	0.5625 lb ai/a A	PREEMERGENCE		100a 0c 0.00b
12 METRICOR DF	0.6093 lb ai/a A	PREEMERGENCE		100a 0c 0.00b
13 METRICOR DF	0.6562 lb ai/a A	PREEMERGENCE		100a 0c 0.00b
14 METRICOR DF	0.7031 lb ai/a A	PREEMERGENCE		100a 0c 0.00b
15 METRICOR DF	0.75 lb ai/a A	PREEMERGENCE		100a 0c -0.35b
16 SPARTAN 4F	0.375 lb ai/a A	PREEMERGENCE		100a 0c -0.35b

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Pest Type	W, Weed	W, Weed	W, Weed	W, Weed				
Pest Code	AMATA	GLXMA	AMATA	AMATA				
Pest Scientific Name	Amaranthus x ta>	Glycine max	Amaranthus x ta>	Amaranthus x ta>				
Pest Name	common water he>	Soybean	common water he>	common water he>				
Crop Type, Code								
Crop Name								
Rating Date	Jun-7-2022	Jun-21-2022	Jun-21-2022	Jun-24-2022				
Rating Type	CONTRO	HEIGHT	COUPLA	BIOMASS				
Rating Unit/Min/Max	% , 0, 100	CM, -, -	M2, -, -	grams, -, -				
Number of Subsamples	1	6	1	1				
Data Entry Date	Jun-8-2022	Jun-21-2022	Jun-22-2022	Jun-24-2022				
Days After First/Last Applic.	14, 14	28, 28	28, 28	31, 31				
Trt-Eval Interval	14 DA-A	28 DA-A	28 DA-A	31 DA-A				
Plant-Eval Interval	14 DP-1	28 DP-1	28 DP-1	31 DP-1				
Days After Emergence	7 DE-1	21 DE-1	21 DE-1	24 DE-1				
Number of Decimals	0	0	0	2				
Trt Treatment	6*	7*	8*	9*				
No. Name	Rate	Unit	Appl Code	Appl Description				
17 DUAL MAGNUM (7.62EC)	1.59485	lb ai/a	A	PREEMERGENCE	100 a	13-	4 c	1.20 b
18 UNTREATED					18 b	13-	263 a	11.63 ab
LSD P=.05	16.7				16.7	2.2	70.1	6.485
Standard Deviation	11.8				11.8	1.4	49.4	4.561
CV	12.97				12.97	10.05	198.33	298.85
Grand Mean	90.8				90.8	13.7	24.9	1.526
Levene's F^	0.865				0.865	0.614	1.906	1.984
Levene's Prob(F)	0.615				0.615	0.735	0.038*	0.031*
Rank X2
P(Rank X2)
Skewness^	3.3283*				3.3283*	-0.1985	2.0696*	2.5155*
Kurtosis^	17.8227*				17.8227*	-0.2927	20.5549*	14.3537*
Replicate F	0.654				0.654	0.255	1.043	0.695
Replicate Prob(F)	0.5842				0.5842	0.8561	0.3814	0.5597
Treatment F	20.515				20.515	0.107	8.155	2.937
Treatment Prob(F)	0.0001				0.0001	0.9960	0.0001	0.0017

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Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	Appl Description	10*	11*	12*	13*	14*
1	UNTREATED					0-	0-	0-	0-	0c
2	HANDWEEDED CHECK					0-	0-	0-	0-	98a
3	METRICOR DF	0.1875	lb ai/a	A	PREEMERGENCE	0-	0-	0-	0-	85a
4	METRICOR DF	0.2343	lb ai/a	A	PREEMERGENCE	0-	0-	0-	0-	93a
5	METRICOR DF	0.2812	lb ai/a	A	PREEMERGENCE	0-	0-	0-	0-	96a
6	METRICOR DF	0.3282	lb ai/a	A	PREEMERGENCE	0-	0-	0-	0-	100a
7	METRICOR DF	0.375	lb ai/a	A	PREEMERGENCE	0-	0-	0-	0-	100a
8	METRICOR DF	0.4218	lb ai/a	A	PREEMERGENCE	0-	0-	0-	0-	100a
9	METRICOR DF	0.4687	lb ai/a	A	PREEMERGENCE	0-	0-	0-	0-	100a
10	METRICOR DF	0.5156	lb ai/a	A	PREEMERGENCE	0-	0-	0-	0-	100a
11	METRICOR DF	0.5625	lb ai/a	A	PREEMERGENCE	0-	0-	0-	0-	100a
12	METRICOR DF	0.6093	lb ai/a	A	PREEMERGENCE	0-	0-	0-	0-	100a
13	METRICOR DF	0.6562	lb ai/a	A	PREEMERGENCE	0-	0-	0-	0-	100a
14	METRICOR DF	0.7031	lb ai/a	A	PREEMERGENCE	0-	0-	0-	0-	100a
15	METRICOR DF	0.75	lb ai/a	A	PREEMERGENCE	0-	0-	0-	0-	100a
16	SPARTAN 4F	0.375	lb ai/a	A	PREEMERGENCE	0-	0-	0-	0-	100a

W, Weed
 AMATA
 Amaranthus x ta>
 common water he>

Pest Type	Pest Code	Pest Scientific Name	Pest Name	Crop Type, Code	Crop Name	Rating Date	Rating Type	Rating Unit/Min/Max	Number of Subsamples	Data Entry Date	Days After First/Last Applic.	Trt-Eval Interval	Plant-Eval Interval	Days After Emergence	Number of Decimals
				C, GLXMA	Soybean	Jun-21-2022	PHYSTU	%, 0, 100	1	Jun-27-2022	28, 28	28 DA-A	28 DP-1	21 DE-1	0
						Jun-21-2022	PHYCHL	%, 0, 100	1	Jun-27-2022	28, 28	28 DA-A	28 DP-1	21 DE-1	0
						Jun-21-2022	PHYNEC	%, 0, 100	1	Jun-27-2022	28, 28	28 DA-A	28 DP-1	21 DE-1	0
						Jun-21-2022	PHYLMA	%, 0, 100	1	Jun-27-2022	28, 28	28 DA-A	28 DP-1	21 DE-1	0
							CONTRO	%, 0, 100	1			28 DA-A	28 DP-1	21 DE-1	0

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Pest Type						W, Weed			
Pest Code						AMATA			
Pest Scientific Name						Amaranthus x ta>			
Pest Name						common water he>			
Crop Type, Code	C, GLXMA								
Crop Name	Soybean								
Rating Date	Jun-21-2022	Jun-21-2022	Jun-21-2022	Jun-21-2022	Jun-21-2022	Jun-21-2022			
Rating Type	PHYSTU	PHYCHL	PHYNEC	PHYLMA	PHYNEC	PHYLMA			
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100			
Number of Subsamples	1	1	1	1	1	1			
Data Entry Date	Jun-27-2022	Jun-27-2022	Jun-27-2022	Jun-27-2022	Jun-27-2022	Jun-27-2022			
Days After First/Last Applic.	28, 28	28, 28	28, 28	28, 28	28, 28	28, 28			
Trt-Eval Interval	28 DA-A	28 DA-A	28 DA-A	28 DA-A	28 DA-A	28 DA-A			
Plant-Eval Interval	28 DP-1	28 DP-1	28 DP-1	28 DP-1	28 DP-1	28 DP-1			
Days After Emergence	21 DE-1	21 DE-1	21 DE-1	21 DE-1	21 DE-1	21 DE-1			
Number of Decimals	0	0	0	0	0	0			
Trt Treatment									
No. Name	Rate	Unit	Appl Code	Appl Description	10*	11*	12*	13*	14*
17	DUAL MAGNUM (7.62EC)	1.59485lb ai/a	A	PREEMERGENCE	0-	0-	0-	0-	95a
18	UNTREATED				0-	0-	0-	0-	23b
LSD P=.05					.	.	.	.	17.2
Standard Deviation					0.0	0.0	0.0	0.0	12.1
CV					0.0	0.0	0.0	0.0	13.73
Grand Mean					0.0	0.0	0.0	0.0	88.2
Levene's F^					.	.	.	.	1.141
Levene's Prob(F)					.	.	.	.	0.343
Rank X2					.	.	.	.	.
P(Rank X2)					.	.	.	.	.
Skewness^					.	.	.	.	3.1039*
Kurtosis^					.	.	.	.	22.7631*
Replicate F					0.000	0.000	0.000	0.000	0.669
Replicate Prob(F)					1.0000	1.0000	1.0000	1.0000	0.5752
Treatment F					0.000	0.000	0.000	0.000	22.180
Treatment Prob(F)					1.0000	1.0000	1.0000	1.0000	0.0001

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Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	Appl Description	15*	16*	17*	18*
1	UNTREATED					0-	0d	0f	14d
2	HANDWEEDED CHECK					0-	73abc	73a-d	35abc
3	METRICOR DF	0.1875	lb ai/a	A	PREEMERGENCE	0-	30cd	25ef	29bc
4	METRICOR DF	0.2343	lb ai/a	A	PREEMERGENCE	0-	38bcd	38de	30bc
5	METRICOR DF	0.2812	lb ai/a	A	PREEMERGENCE	0-	48abc	48b-e	27c
6	METRICOR DF	0.3282	lb ai/a	A	PREEMERGENCE	0-	63abc	58a-e	36abc
7	METRICOR DF	0.375	lb ai/a	A	PREEMERGENCE	0-	68abc	55a-e	38abc
8	METRICOR DF	0.4218	lb ai/a	A	PREEMERGENCE	0-	80ab	73a-d	39abc
9	METRICOR DF	0.4687	lb ai/a	A	PREEMERGENCE	0-	73abc	73a-d	37abc
10	METRICOR DF	0.5156	lb ai/a	A	PREEMERGENCE	0-	93a	83abc	44abc
11	METRICOR DF	0.5625	lb ai/a	A	PREEMERGENCE	0-	100a	90ab	44abc
12	METRICOR DF	0.6093	lb ai/a	A	PREEMERGENCE	0-	100a	93ab	44abc
13	METRICOR DF	0.6562	lb ai/a	A	PREEMERGENCE	0-	100a	93ab	46ab
14	METRICOR DF	0.7031	lb ai/a	A	PREEMERGENCE	0-	99a	94a	44abc
15	METRICOR DF	0.75	lb ai/a	A	PREEMERGENCE	0-	95a	93ab	46ab
16	SPARTAN 4F	0.375	lb ai/a	A	PREEMERGENCE	0-	100a	95a	49a

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Pest Type					W, Weed	W, Weed		
Pest Code					AMATA	AMATA		
Pest Scientific Name					Amaranthus x ta>	Amaranthus x ta>		
Pest Name					common water he>	common water he>		
Crop Type, Code				C, GLXMA				
Crop Name				Soybean				
Rating Date				Jul-5-2022	Jul-5-2022	Jul-13-2022		
Rating Type				PHYSTU	CONTRO	CONTRO		
Rating Unit/Min/Max				%, 0, 100	%, 0, 100	%, 0, 100		
Number of Subsamples				1	1	1		
Data Entry Date				Jul-14-2022	Jul-14-2022	Jul-14-2022		
Days After First/Last Applic.				42, 42	42, 42	50, 50		
Trt-Eval Interval				42 DA-A	42 DA-A	50 DA-A		
Plant-Eval Interval				42 DP-1	42 DP-1	50 DP-1		
Days After Emergence				35 DE-1	35 DE-1	43 DE-1		
Number of Decimals				0	0	0		
Trt Treatment				15*	16*	17*		
No. Name								
Rate								
Unit								
Appl Code								
Description								
17 DUAL MAGNUM (7.62EC)	1.59485	lb ai/a	A	PREEMERGENCE	0-	54 abc	46 cde	36 abc
18 UNTREATED					0-	5 d	5 f	14 d
LSD P=.05					.	30.6	26.8	8.8
Standard Deviation					0.0	21.6	18.9	6.2
CV					0.0	31.95	30.1	17.92
Grand Mean					0.0	67.5	62.8	34.5
Levene's F^					.	1.795	1.016	1.595
Levene's Prob(F)					.	0.053	0.457	0.108
Rank X2				
P(Rank X2)				
Skewness^					.	-0.0722	-0.0511	0.2949
Kurtosis^					.	0.8534	0.8549	-0.2219
Replicate F					0.000	1.351	5.024	1.645
Replicate Prob(F)					1.0000	0.2681	0.0040	0.1943
Treatment F					0.000	9.191	10.547	9.054
Treatment Prob(F)					1.0000	0.0001	0.0001	0.0001

The Ohio State University

METRIBUZIN RATE TITRATION IN SOYBEANS

Trial ID: 22USBMET
Protocol ID: SMTZRATES Location: Entomology West 1 Cooperator Trial ID:
Project ID: Project ID 2: Project ID 3: Trial Year: 2022
Study Director: Sponsor Contact:
Investigator (Creator): Dr. Mark M. Loux

Pest Type

W, Weed = Weed or volunteer crop

Pest Code

SETFA, Setaria faberi, Giant foxtail = US

AMATA, Amaranthus x tamariscinus, common water hemp = US

GLXMA, Glycine max, Soybean = US

Crop Type, Code

C = EPPO species (Bayer) codes

GLXMA, BSOY, Glycine max, Soybean = US

, , , PHYCHL = US

, , , PHYNEC = US

, , , PHLMA = US

Rating Type

PHYSTU = phytotoxicity - stunting

PHYCHL = phytotoxicity - chlorosis

PHYNEC = phytotoxicity - necrosis /burn

PHYLMA = phytotoxicity - leaf malformation

CONTRO = control / burndown or knockdown

HEIGHT = height

COUPLA = count - plant / emergence - objective

Rating Unit/Min/Max

%, 0, 100 = percent

CM, , = centimeter

M2, , = square meter

Plant-Eval Interval

14 DP-1 = 1 GLXMA May-24-2022

28 DP-1 = 1 GLXMA May-24-2022

31 DP-1 = 1 GLXMA May-24-2022

42 DP-1 = 1 GLXMA May-24-2022

50 DP-1 = 1 GLXMA May-24-2022