

**Early- versus normal-planted soybean with two soybean varieties**

Trial ID: SOY02-24 Study Dir.: Sprague, Stiles  
 Conducted: Campus, T-10 Investigator: Christy Sprague

**Planting Date:** AG21XF2, AG22XF3 **Row Spacing:** 30 "  
**Variety:** 15000 S/A **No. of Reps:** 4  
**Population:** CL clay loam **% OM:** 2.4  
**Soil Type:** 10 X 35 FT **pH:** 7.5  
**Plot Size:** **Study Design:** Randomized Complete Block (RCB)

**Tillage/Previous Crops:** Fall chisel plow; spring soil finish (3-times)  
**Fertilizer:**

Crop and Weed Description			
Weed	Code	Common Name	Scientific Name
1	ANGR	annual grass	mostly giant foxtail and barnyardgrass
2	CHEAL	common lambsquarters	Chenopodium album
3	AMAPO	Powell amaranth	Amaranthus powellii
4	AMBEL	common ragweed	Ambrosia artemisiifolia
5	SINAR	wild mustard	Sinapis arvensis
6	LAMAM	henbit	Lamium amplexicaule
Crop	Code	Common Name	
1	GLXMA	Soybean	

Application Description				
	A	B	C	D
<b>Application Timing:</b>	PRE1	PRE2	POST1	POST2
<b>Date Treated:</b>	Apr-15-2024	May-14-2024	Jun-19-2024	Jun-28-2024
<b>Time Treated:</b>	10:00 AM	8:30 AM	8:30 AM	10:30 AM
<b>% Cloud Cover:</b>	0	100	99	95
<b>Air Temp., Unit:</b>	68 F	56 F	76 F	62 F
<b>% Relative Humidity:</b>	32	86	78	62
<b>Wind Speed/Unit/Dir:</b>	9 MPH	7 MPH NE	4 MPH S	0.3 MPH SSE
<b>Soil Temp, Unit:</b>	57 F	61 F	75 F	67 F
<b>Leaf Moist/Dew Presence (Y/N):</b>	N	N	N	
<b>Soil Moist:</b>	5	2	4	

Crop Stage at Each Application				
	A	B	C	D
<b>Crop 1 Name:</b>	GLXMA	GLXMA	GLXMA	GLXMA
<b>Height:</b>			10-12 " (11)	18-20 " (19)
<b>Stage:</b>			V6-R1	R1

Weed Stage at Each Application				
	A	B	C	D
<b>Weed 1 Name:</b>	ANGR	ANGR	ANGR	ANGR
<b>Height:</b>			2-8 " (5)	10-24 " (17)
<b>Stage:</b>			4-16L	16-24L
<b>Weed 2 Name:</b>	CHEAL	CHEAL	CHEAL	CHEAL
<b>Height:</b>			2-19 " (11)	5-12 " (9)
<b>Stage:</b>			4-16L	24-52L
<b>Weed 3 Name:</b>	AMAPO	AMAPO	AMAPO	AMAPO
<b>Height:</b>				
<b>Stage:</b>				
<b>Weed 4 Name:</b>	AMBEL	AMBEL	AMBEL	AMBEL
<b>Height:</b>			2-9 " (5)	8-21 " (19)
<b>Stage:</b>			4-16L	16-47L
<b>Weed 5 Name:</b>	SINAR	SINAR	SINAR	SINAR
<b>Height:</b>				
<b>Stage:</b>				
<b>Weed 6 Name:</b>	LAMAM	LAMAM	LAMAM	LAMAM
<b>Height:</b>				
<b>Stage:</b>				

Weed Density						
	1	2	3	4	5	6
<b>Date:</b>	Jun-19-2024	Jun-19-2024	Jun-19-2024	Jun-19-2024	Jun-19-2024	Jun-19-2024
<b>Weed Name:</b>	ANGR	CHEAL	AMAPO	AMBEL	SINAR	LAMAM
<b>Density:</b>	6 FT2	2 FT2	1 FT2	6 FT2	1 FT2	1 FT2

**Application Equipment**

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<b>Appl</b>	<b>Sprayer Type</b>	<b>Ground Speed</b>	<b>Nozzle Type</b>	<b>Nozzle Size</b>	<b>Nozzle Height</b>	<b>Nozzle Spacing</b>	<b>Boom Width</b>	<b>Spray Volume</b>	<b>Carrier</b>	<b>Operation Pressure</b>
<b>A</b>	CUB	3.8 MPH	AIXR	11003	18.0 "	20.0 "	100.0 "	19 GAL/AC	WATER	30 PSI
<b>B</b>	CUB	3.8 MPH	AIXR	11003	18.0 "	20.0 "	100.0 "	19 GAL/AC	WATER	30 PSI
<b>C</b>	CUB	3.8 MPH	AIXR	11003	28.0 "	20.0 "	100.0 "	19 GAL/AC	WATER	30 PSI
<b>D</b>	CUB	3.8 MPH	AIXR	11003	28.0 "	20.0 "	120.0 "	19 GAL/AC	WATER	30 PSI

**Comments:** April 15 - Early planting May 13 - Normal planting Common ragweed is Group 2 (ALS) resistant.

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Protocol ID: SOY02-24 Location: Campus, T-10 Trial Year: 2024

Study Director: Sprague, Stiles Sponsor Contact:

Investigator: Christy Sprague

Rating Date	May-9-2024	May-9-2024	May-9-2024	May-9-2024	May-9-2024	May-9-2024				
Rating Type	injury	control	control	control	control	control				
Rating Unit	%	%	%	%	%	%				
Crop Type, Code	C, GLXMA									
Pest Code		ANGR	CHEAL	AMBEL	SINAR	ABUTH				
Trt-Eval Interval	7 DAE1	7 DAE1	7 DAE1	7 DAE1	7 DAE1	7 DAE1				
Number of Decimals	0	0	0	0	0	0				
Trt No.	Treatment Name	Rate	Appl Code	Appl Timing						
		Rate Unit								
1	Early planted - AG22XF3				0	100	100	100	100	100
	Fierce EZ	6 fl oz/a	A	PRE1						
	Liberty	32 fl oz/a	C	POST1						
	Roundup PowerMax	30 fl oz/a	C	POST1						
	AMS	17 lb/100 gal	C	POST1						
2	Early planted - AG21XF2				0	100	100	100	100	100
	Fierce EZ	6 fl oz/a	A	PRE1						
	Liberty	32 fl oz/a	C	POST1						
	Roundup PowerMax	30 fl oz/a	C	POST1						
	AMS	17 lb/100 gal	C	POST1						
3	Early planted - AG22XF3				8	100	100	100	100	100
	Metribuzin	4 oz/a	A	PRE1						
	Fierce EZ	6 fl oz/a	A	PRE1						
	Liberty	32 fl oz/a	C	POST1						
	Roundup PowerMax	30 fl oz/a	C	POST1						
	AMS	17 lb/100 gal	C	POST1						
4	Early planted - AG21XF2				0	100	100	100	100	100
	Metribuzin	4 oz/a	A	PRE1						
	Fierce EZ	6 fl oz/a	A	PRE1						
	Liberty	32 fl oz/a	C	POST1						
	Roundup PowerMax	30 fl oz/a	C	POST1						
	AMS	17 lb/100 gal	C	POST1						
5	Normal planted - AG22XF3									
	Fierce EZ	6 fl oz/a	B	PRE2						
	Liberty	32 fl oz/a	D	POST2						
	Roundup PowerMax	30 fl oz/a	D	POST2						
	AMS	17 lb/100 gal	D	POST2						
6	Normal planted - AG21XF2									
	Fierce EZ	6 fl oz/a	B	PRE2						
	Liberty	32 fl oz/a	D	POST2						
	Roundup PowerMax	30 fl oz/a	D	POST2						
	AMS	17 lb/100 gal	D	POST2						
7	Normal planted - AG22XF3									
	Metribuzin	4 oz/a	B	PRE2						
	Fierce EZ	6 fl oz/a	B	PRE2						
	Liberty	32 fl oz/a	D	POST2						
	Roundup PowerMax	30 fl oz/a	D	POST2						
	AMS	17 lb/100 gal	D	POST2						
8	Normal planted - AG21XF2									
	Metribuzin	4 oz/a	B	PRE2						
	Fierce EZ	6 fl oz/a	B	PRE2						
	Liberty	32 fl oz/a	D	POST2						
	Roundup PowerMax	30 fl oz/a	D	POST2						
	AMS	17 lb/100 gal	D	POST2						
9	Early planted - AG22XF3				8	100	100	100	100	100
	Metribuzin	8 oz/a	A	PRE1						
	Fierce EZ	6 fl oz/a	A	PRE1						
	Liberty	32 fl oz/a	C	POST1						
	Roundup PowerMax	30 fl oz/a	C	POST1						
	AMS	17 lb/100 gal	C	POST1						

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Rating Type	injury	control	control	control	control	control
Rating Unit	%	%	%	%	%	%
Crop Type, Code	C, GLXMA					
Pest Code		ANGR	CHEAL	AMBEL	SINAR	ABUTH
Trt-Eval Interval	7 DAE1	7 DAE1	7 DAE1	7 DAE1	7 DAE1	7 DAE1
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	Appl Timing						
10	Early planted - AG21XF2					0	100	100	100	100	100
	Metribuzin	8 oz/a		A	PRE1						
	Fierce EZ	6 fl oz/a		A	PRE1						
	Liberty	32 fl oz/a		C	POST1						
	Roundup PowerMax	30 fl oz/a		C	POST1						
	AMS	17 lb/100 gal		C	POST1						
11	Normal planted - AG22XF3										
	Metribuzin	8 oz/a		B	PRE2						
	Fierce EZ	6 fl oz/a		B	PRE2						
	Liberty	32 fl oz/a		D	POST2						
	Roundup PowerMax	30 fl oz/a		D	POST2						
	AMS	17 lb/100 gal		D	POST2						
12	Normal planted - AG21XF2										
	Metribuzin	8 oz/a		B	PRE2						
	Fierce EZ	6 fl oz/a		B	PRE2						
	Liberty	32 fl oz/a		D	POST2						
	Roundup PowerMax	30 fl oz/a		D	POST2						
	AMS	17 lb/100 gal		D	POST2						
13	Normal planted - AG22XF3										
	Metribuzin	12 oz/a		B	PRE2						
	Fierce EZ	6 fl oz/a		B	PRE2						
	Liberty	32 fl oz/a		D	POST2						
	Roundup PowerMax	30 fl oz/a		D	POST2						
	AMS	17 lb/100 gal		D	POST2						
14	Normal planted - AG21XF2										
	Metribuzin	12 oz/a		B	PRE2						
	Fierce EZ	6 fl oz/a		B	PRE2						
	Liberty	32 fl oz/a		D	POST2						
	Roundup PowerMax	30 fl oz/a		D	POST2						
	AMS	17 lb/100 gal		D	POST2						
15	Early planted - AG22XF3					10	100	100	100	100	100
	Metribuzin	12 oz/a		A	PRE1						
	Fierce EZ	6 fl oz/a		A	PRE1						
	Liberty	32 fl oz/a		C	POST1						
	Roundup PowerMax	30 fl oz/a		C	POST1						
	AMS	17 lb/100 gal		C	POST1						
16	Early planted - AG21XF2					1	100	100	100	100	100
	Metribuzin	12 oz/a		A	PRE1						
	Fierce EZ	6 fl oz/a		A	PRE1						
	Liberty	32 fl oz/a		C	POST1						
	Roundup PowerMax	30 fl oz/a		C	POST1						
	AMS	17 lb/100 gal		C	POST1						
17	Early planted - AG22XF3					10	100	100	100	100	100
	Metribuzin	16 oz/a		A	PRE1						
	Fierce EZ	6 fl oz/a		A	PRE1						
	Liberty	32 fl oz/a		C	POST1						
	Roundup PowerMax	30 fl oz/a		C	POST1						
	AMS	17 lb/100 gal		C	POST1						
18	Early planted - AG21XF2					1	100	100	100	100	100
	Metribuzin	16 oz/a		A	PRE1						
	Fierce EZ	6 fl oz/a		A	PRE1						
	Liberty	32 fl oz/a		C	POST1						
	Roundup PowerMax	30 fl oz/a		C	POST1						
	AMS	17 lb/100 gal		C	POST1						

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Rating Type	injury	control	control	control	control	control	
Rating Unit	%	%	%	%	%	%	
Crop Type, Code	C, GLXMA						
Pest Code		ANGR	CHEAL	AMBEL	SINAR	ABUTH	
Trt-Eval Interval	7 DAE1	7 DAE1	7 DAE1	7 DAE1	7 DAE1	7 DAE1	
Number of Decimals	0	0	0	0	0	0	
Trt No.	Treatment	Rate	Appl Code	Appl Timing			
19	Normal planted - AG22XF3						
	Metribuzin	16 oz/a	B	PRE2			
	Fierce EZ	6 fl oz/a	B	PRE2			
	Liberty	32 fl oz/a	D	POST2			
	Roundup PowerMax	30 fl oz/a	D	POST2			
	AMS	17 lb/100 gal	D	POST2			
20	Normal planted - AG21XF2						
	Metribuzin	16 oz/a	B	PRE2			
	Fierce EZ	6 fl oz/a	B	PRE2			
	Liberty	32 fl oz/a	D	POST2			
	Roundup PowerMax	30 fl oz/a	D	POST2			
	AMS	17 lb/100 gal	D	POST2			
21	Normal planted - AG22XF3						
	Untreated						
22	Normal planted - AG21XF2						
	Untreated						
23	Early planted - AG22XF3				0	0	0
	Untreated						
24	Early planted - AG21XF2				0	0	0
	Untreated						
	LSD P=.05	3.3	.	.	.	.	.
	Standard Deviation	2.3	0.0	0.0	0.0	0.0	0.0
	CV	74.13	0.0	0.0	0.0	0.0	0.0

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Protocol ID: SOY02-24 Location: Campus, T-10 Trial Year: 2024

Study Director: Sprague, Stiles Sponsor Contact:

Investigator: Christy Sprague

Rating Date	May-16-2024	May-16-2024	May-16-2024	May-16-2024	May-16-2024
Rating Type	injury	control	control	control	control
Rating Unit	%	%	%	%	%
Crop Type, Code	C, GLXMA				
Pest Code		ANGR	CHEAL	AMBEL	LAMAM
Trt-Eval Interval	14 DAE1	14 DAE1	14 DAE1	14 DAE1	14 DAE1
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Rate	Unit	Appl Code	Appl Timing					
1	Early planted - AG22XF3					6	100	100	100	100
	Fierce EZ	6 fl oz/a		A	PRE1					
	Liberty	32 fl oz/a		C	POST1					
	Roundup PowerMax	30 fl oz/a		C	POST1					
	AMS	17 lb/100 gal	gal	C	POST1					
2	Early planted - AG21XF2					6	100	100	100	100
	Fierce EZ	6 fl oz/a		A	PRE1					
	Liberty	32 fl oz/a		C	POST1					
	Roundup PowerMax	30 fl oz/a		C	POST1					
	AMS	17 lb/100 gal	gal	C	POST1					
3	Early planted - AG22XF3					11	100	100	100	100
	Metribuzin	4 oz/a		A	PRE1					
	Fierce EZ	6 fl oz/a		A	PRE1					
	Liberty	32 fl oz/a		C	POST1					
	Roundup PowerMax	30 fl oz/a		C	POST1					
	AMS	17 lb/100 gal	gal	C	POST1					
4	Early planted - AG21XF2					14	100	100	100	100
	Metribuzin	4 oz/a		A	PRE1					
	Fierce EZ	6 fl oz/a		A	PRE1					
	Liberty	32 fl oz/a		C	POST1					
	Roundup PowerMax	30 fl oz/a		C	POST1					
	AMS	17 lb/100 gal	gal	C	POST1					
5	Normal planted - AG22XF3									
	Fierce EZ	6 fl oz/a		B	PRE2					
	Liberty	32 fl oz/a		D	POST2					
	Roundup PowerMax	30 fl oz/a		D	POST2					
	AMS	17 lb/100 gal	gal	D	POST2					
6	Normal planted - AG21XF2									
	Fierce EZ	6 fl oz/a		B	PRE2					
	Liberty	32 fl oz/a		D	POST2					
	Roundup PowerMax	30 fl oz/a		D	POST2					
	AMS	17 lb/100 gal	gal	D	POST2					
7	Normal planted - AG22XF3									
	Metribuzin	4 oz/a		B	PRE2					
	Fierce EZ	6 fl oz/a		B	PRE2					
	Liberty	32 fl oz/a		D	POST2					
	Roundup PowerMax	30 fl oz/a		D	POST2					
	AMS	17 lb/100 gal	gal	D	POST2					
8	Normal planted - AG21XF2									
	Metribuzin	4 oz/a		B	PRE2					
	Fierce EZ	6 fl oz/a		B	PRE2					
	Liberty	32 fl oz/a		D	POST2					
	Roundup PowerMax	30 fl oz/a		D	POST2					
	AMS	17 lb/100 gal	gal	D	POST2					
9	Early planted - AG22XF3					14	100	100	100	100
	Metribuzin	8 oz/a		A	PRE1					
	Fierce EZ	6 fl oz/a		A	PRE1					
	Liberty	32 fl oz/a		C	POST1					
	Roundup PowerMax	30 fl oz/a		C	POST1					
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Rating Date	May-16-2024	May-16-2024	May-16-2024	May-16-2024	May-16-2024
Rating Type	injury	control	control	control	control
Rating Unit	%	%	%	%	%
Crop Type, Code	C, GLXMA				
Pest Code		ANGR	CHEAL	AMBEL	LAMAM
Trt-Eval Interval	14 DAE1	14 DAE1	14 DAE1	14 DAE1	14 DAE1
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Rate Unit	Appl Code	Appl Timing	16	100	100	100	100
10	Early planted - AG21XF2								
	Metribuzin	8 oz/a	A	PRE1					
	Fierce EZ	6 fl oz/a	A	PRE1					
	Liberty	32 fl oz/a	C	POST1					
	Roundup PowerMax	30 fl oz/a	C	POST1					
	AMS	17 lb/100 gal	C	POST1					
11	Normal planted - AG22XF3								
	Metribuzin	8 oz/a	B	PRE2					
	Fierce EZ	6 fl oz/a	B	PRE2					
	Liberty	32 fl oz/a	D	POST2					
	Roundup PowerMax	30 fl oz/a	D	POST2					
	AMS	17 lb/100 gal	D	POST2					
12	Normal planted - AG21XF2								
	Metribuzin	8 oz/a	B	PRE2					
	Fierce EZ	6 fl oz/a	B	PRE2					
	Liberty	32 fl oz/a	D	POST2					
	Roundup PowerMax	30 fl oz/a	D	POST2					
	AMS	17 lb/100 gal	D	POST2					
13	Normal planted - AG22XF3								
	Metribuzin	12 oz/a	B	PRE2					
	Fierce EZ	6 fl oz/a	B	PRE2					
	Liberty	32 fl oz/a	D	POST2					
	Roundup PowerMax	30 fl oz/a	D	POST2					
	AMS	17 lb/100 gal	D	POST2					
14	Normal planted - AG21XF2								
	Metribuzin	12 oz/a	B	PRE2					
	Fierce EZ	6 fl oz/a	B	PRE2					
	Liberty	32 fl oz/a	D	POST2					
	Roundup PowerMax	30 fl oz/a	D	POST2					
	AMS	17 lb/100 gal	D	POST2					
15	Early planted - AG22XF3				15	100	100	100	100
	Metribuzin	12 oz/a	A	PRE1					
	Fierce EZ	6 fl oz/a	A	PRE1					
	Liberty	32 fl oz/a	C	POST1					
	Roundup PowerMax	30 fl oz/a	C	POST1					
	AMS	17 lb/100 gal	C	POST1					
16	Early planted - AG21XF2				19	100	100	100	100
	Metribuzin	12 oz/a	A	PRE1					
	Fierce EZ	6 fl oz/a	A	PRE1					
	Liberty	32 fl oz/a	C	POST1					
	Roundup PowerMax	30 fl oz/a	C	POST1					
	AMS	17 lb/100 gal	C	POST1					
17	Early planted - AG22XF3				16	100	100	100	100
	Metribuzin	16 oz/a	A	PRE1					
	Fierce EZ	6 fl oz/a	A	PRE1					
	Liberty	32 fl oz/a	C	POST1					
	Roundup PowerMax	30 fl oz/a	C	POST1					
	AMS	17 lb/100 gal	C	POST1					
18	Early planted - AG21XF2				18	100	100	100	100
	Metribuzin	16 oz/a	A	PRE1					
	Fierce EZ	6 fl oz/a	A	PRE1					
	Liberty	32 fl oz/a	C	POST1					
	Roundup PowerMax	30 fl oz/a	C	POST1					
	AMS	17 lb/100 gal	C	POST1					

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Rating Date	May-16-2024	May-16-2024	May-16-2024	May-16-2024	May-16-2024
Rating Type	injury	control	control	control	control
Rating Unit	%	%	%	%	%
Crop Type, Code	C, GLXMA				
Pest Code		ANGR	CHEAL	AMBEL	LAMAM
Trt-Eval Interval	14 DAE1	14 DAE1	14 DAE1	14 DAE1	14 DAE1
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	Appl Timing					
19	Normal planted - AG22XF3									
	Metribuzin	16 oz/a		B	PRE2					
	Fierce EZ	6 fl oz/a		B	PRE2					
	Liberty	32 fl oz/a		D	POST2					
	Roundup PowerMax	30 fl oz/a		D	POST2					
	AMS	17 lb/100 gal		D	POST2					
20	Normal planted - AG21XF2									
	Metribuzin	16 oz/a		B	PRE2					
	Fierce EZ	6 fl oz/a		B	PRE2					
	Liberty	32 fl oz/a		D	POST2					
	Roundup PowerMax	30 fl oz/a		D	POST2					
	AMS	17 lb/100 gal		D	POST2					
21	Normal planted - AG22XF3									
	Untreated									
22	Normal planted - AG21XF2									
	Untreated									
23	Early planted - AG22XF3					0	0	0	0	0
	Untreated									
24	Early planted - AG21XF2					0	0	0	0	0
	Untreated									
	LSD P=.05					4.5	.	.	.	.
	Standard Deviation					3.1	0.0	0.0	0.0	0.0
	CV					27.54	0.0	0.0	0.0	0.0

Could not calculate LSD (% mean diff) or mean separation letters for columns 2,3,4,5,6,8,9,10,11,12,15,17,18,22,26,27,33,34 because error variance is 0.

Mean separation letters are 'na' (not applicable) when error variance is 0



Michigan State University

Early- versus normal-planted soybean with two soybean varieties

Trial ID: SOY02-24

Protocol ID: SOY02-24 Location: Campus, T-10 Trial Year: 2024

Study Director: Sprague, Stiles Sponsor Contact:

Investigator: Christy Sprague

Rating Date	May-16-2024	May-29-2024	May-29-2024	May-29-2024	May-29-2024
Rating Type	control	injury	control	control	control
Rating Unit	%	%	%	%	%
Crop Type, Code	C, GLXMA				
Pest Code	SINAR		ANGR	CHEAL	AMBEL
Trt-Eval Interval	14 DAE1	15 DA-B	15 DA-B	15 DA-B	15 DA-B
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Rate	Unit	Appl Code	Appl Timing	May-16-2024 control %	May-29-2024 injury %	May-29-2024 control %	May-29-2024 control %	May-29-2024 control %
1	Early planted - AG22XF3					100	3	99	100	96
	Fierce EZ	6 fl oz/a		A	PRE1					
	Liberty	32 fl oz/a		C	POST1					
	Roundup PowerMax	30 fl oz/a		C	POST1					
	AMS	17 lb/100 gal		C	POST1					
2	Early planted - AG21XF2					100	5	99	100	94
	Fierce EZ	6 fl oz/a		A	PRE1					
	Liberty	32 fl oz/a		C	POST1					
	Roundup PowerMax	30 fl oz/a		C	POST1					
	AMS	17 lb/100 gal		C	POST1					
3	Early planted - AG22XF3					100	3	99	100	94
	Metribuzin	4 oz/a		A	PRE1					
	Fierce EZ	6 fl oz/a		A	PRE1					
	Liberty	32 fl oz/a		C	POST1					
	Roundup PowerMax	30 fl oz/a		C	POST1					
	AMS	17 lb/100 gal		C	POST1					
4	Early planted - AG21XF2					100	6	99	100	93
	Metribuzin	4 oz/a		A	PRE1					
	Fierce EZ	6 fl oz/a		A	PRE1					
	Liberty	32 fl oz/a		C	POST1					
	Roundup PowerMax	30 fl oz/a		C	POST1					
	AMS	17 lb/100 gal		C	POST1					
5	Normal planted - AG22XF3						14	99	100	100
	Fierce EZ	6 fl oz/a		B	PRE2					
	Liberty	32 fl oz/a		D	POST2					
	Roundup PowerMax	30 fl oz/a		D	POST2					
	AMS	17 lb/100 gal		D	POST2					
6	Normal planted - AG21XF2						20	100	100	99
	Fierce EZ	6 fl oz/a		B	PRE2					
	Liberty	32 fl oz/a		D	POST2					
	Roundup PowerMax	30 fl oz/a		D	POST2					
	AMS	17 lb/100 gal		D	POST2					
7	Normal planted - AG22XF3						13	99	100	100
	Metribuzin	4 oz/a		B	PRE2					
	Fierce EZ	6 fl oz/a		B	PRE2					
	Liberty	32 fl oz/a		D	POST2					
	Roundup PowerMax	30 fl oz/a		D	POST2					
	AMS	17 lb/100 gal		D	POST2					
8	Normal planted - AG21XF2						20	97	100	100
	Metribuzin	4 oz/a		B	PRE2					
	Fierce EZ	6 fl oz/a		B	PRE2					
	Liberty	32 fl oz/a		D	POST2					
	Roundup PowerMax	30 fl oz/a		D	POST2					
	AMS	17 lb/100 gal		D	POST2					
9	Early planted - AG22XF3					100	3	100	100	100
	Metribuzin	8 oz/a		A	PRE1					
	Fierce EZ	6 fl oz/a		A	PRE1					
	Liberty	32 fl oz/a		C	POST1					
	Roundup PowerMax	30 fl oz/a		C	POST1					
	AMS	17 lb/100 gal		C	POST1					

Could not calculate LSD (% mean diff) or mean separation letters for columns 2,3,4,5,6,8,9,10,11,12,15,17,18,22,26,27,33,34 because error variance is 0.

Mean separation letters are 'na' (not applicable) when error variance is 0

Michigan State University

Early- versus normal-planted soybean with two soybean varieties

Trial ID: SOY02-24

Protocol ID: SOY02-24 Location: Campus, T-10 Trial Year: 2024

Study Director: Sprague, Stiles Sponsor Contact:

Investigator: Christy Sprague

Rating Date				May-16-2024	May-29-2024	May-29-2024	May-29-2024	May-29-2024	
Rating Type				control	injury	control	control	control	
Rating Unit				%	%	%	%	%	
Crop Type, Code					C, GLXMA				
Pest Code				SINAR		ANGR	CHEAL	AMBEL	
Trt-Eval Interval				14 DAE1	15 DA-B	15 DA-B	15 DA-B	15 DA-B	
Number of Decimals				0	0	0	0	0	
Trt No.	Treatment Name	Rate Unit	Appl Code	Appl Timing					
10	Early planted - AG21XF2				100	6	100	100	99
	Metribuzin	8 oz/a	A	PRE1					
	Fierce EZ	6 fl oz/a	A	PRE1					
	Liberty	32 fl oz/a	C	POST1					
	Roundup PowerMax	30 fl oz/a	C	POST1					
	AMS	17 lb/100 gal	C	POST1					
11	Normal planted - AG22XF3					16	99	100	100
	Metribuzin	8 oz/a	B	PRE2					
	Fierce EZ	6 fl oz/a	B	PRE2					
	Liberty	32 fl oz/a	D	POST2					
	Roundup PowerMax	30 fl oz/a	D	POST2					
	AMS	17 lb/100 gal	D	POST2					
12	Normal planted - AG21XF2					24	99	100	100
	Metribuzin	8 oz/a	B	PRE2					
	Fierce EZ	6 fl oz/a	B	PRE2					
	Liberty	32 fl oz/a	D	POST2					
	Roundup PowerMax	30 fl oz/a	D	POST2					
	AMS	17 lb/100 gal	D	POST2					
13	Normal planted - AG22XF3					20	99	100	99
	Metribuzin	12 oz/a	B	PRE2					
	Fierce EZ	6 fl oz/a	B	PRE2					
	Liberty	32 fl oz/a	D	POST2					
	Roundup PowerMax	30 fl oz/a	D	POST2					
	AMS	17 lb/100 gal	D	POST2					
14	Normal planted - AG21XF2					23	100	100	100
	Metribuzin	12 oz/a	B	PRE2					
	Fierce EZ	6 fl oz/a	B	PRE2					
	Liberty	32 fl oz/a	D	POST2					
	Roundup PowerMax	30 fl oz/a	D	POST2					
	AMS	17 lb/100 gal	D	POST2					
15	Early planted - AG22XF3				100	6	100	100	100
	Metribuzin	12 oz/a	A	PRE1					
	Fierce EZ	6 fl oz/a	A	PRE1					
	Liberty	32 fl oz/a	C	POST1					
	Roundup PowerMax	30 fl oz/a	C	POST1					
	AMS	17 lb/100 gal	C	POST1					
16	Early planted - AG21XF2				100	7	99	100	100
	Metribuzin	12 oz/a	A	PRE1					
	Fierce EZ	6 fl oz/a	A	PRE1					
	Liberty	32 fl oz/a	C	POST1					
	Roundup PowerMax	30 fl oz/a	C	POST1					
	AMS	17 lb/100 gal	C	POST1					
17	Early planted - AG22XF3				100	3	100	100	100
	Metribuzin	16 oz/a	A	PRE1					
	Fierce EZ	6 fl oz/a	A	PRE1					
	Liberty	32 fl oz/a	C	POST1					
	Roundup PowerMax	30 fl oz/a	C	POST1					
	AMS	17 lb/100 gal	C	POST1					
18	Early planted - AG21XF2				100	6	100	100	100
	Metribuzin	16 oz/a	A	PRE1					
	Fierce EZ	6 fl oz/a	A	PRE1					
	Liberty	32 fl oz/a	C	POST1					
	Roundup PowerMax	30 fl oz/a	C	POST1					
	AMS	17 lb/100 gal	C	POST1					

Could not calculate LSD (% mean diff) or mean separation letters for columns 2,3,4,5,6,8,9,10,11,12,15,17,18,22,26,27,33,34 because error variance is 0.

Mean separation letters are 'na' (not applicable) when error variance is 0

Michigan State University

Early- versus normal-planted soybean with two soybean varieties

Trial ID: SOY02-24

Protocol ID: SOY02-24 Location: Campus, T-10 Trial Year: 2024

Study Director: Sprague, Stiles Sponsor Contact:

Investigator: Christy Sprague

Rating Date	May-16-2024	May-29-2024	May-29-2024	May-29-2024	May-29-2024	
Rating Type	control	injury	control	control	control	
Rating Unit	%	%	%	%	%	
Crop Type, Code	C, GLXMA					
Pest Code	SINAR		ANGR	CHEAL	AMBEL	
Trt-Eval Interval	14 DAE1	15 DA-B	15 DA-B	15 DA-B	15 DA-B	
Number of Decimals	0	0	0	0	0	
Trt No.	Treatment Name	Rate Rate Unit	Appl Code	Appl Timing		
19	Normal planted - AG22XF3				18	100
	Metribuzin	16 oz/a	B	PRE2		100
	Fierce EZ	6 fl oz/a	B	PRE2		
	Liberty	32 fl oz/a	D	POST2		
	Roundup PowerMax	30 fl oz/a	D	POST2		
	AMS	17 lb/100 gal	D	POST2		
20	Normal planted - AG21XF2				23	99
	Metribuzin	16 oz/a	B	PRE2		100
	Fierce EZ	6 fl oz/a	B	PRE2		
	Liberty	32 fl oz/a	D	POST2		
	Roundup PowerMax	30 fl oz/a	D	POST2		
	AMS	17 lb/100 gal	D	POST2		
21	Normal planted - AG22XF3				0	0
	Untreated					0
22	Normal planted - AG21XF2				0	0
	Untreated					0
23	Early planted - AG22XF3				0	0
	Untreated					0
24	Early planted - AG21XF2				0	0
	Untreated					0
	LSD P=.05				5.6	2.1
	Standard Deviation				3.9	1.5
	CV				39.92	1.79

Could not calculate LSD (% mean diff) or mean separation letters for columns 2,3,4,5,6,8,9,10,11,12,15,17,18,22,26,27,33,34 because error variance is 0.

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Michigan State University

Early- versus normal-planted soybean with two soybean varieties

Trial ID: SOY02-24

Protocol ID: SOY02-24 Location: Campus, T-10 Trial Year: 2024

Study Director: Sprague, Stiles Sponsor Contact:

Investigator: Christy Sprague

Rating Date	May-29-2024	May-29-2024	Jun-3-2024	Jun-3-2024	Jun-3-2024	Jun-3-2024
Rating Type	control	control	injury	control	control	control
Rating Unit	%	%	%	%	%	%
Crop Type, Code	C, GLXMA					
Pest Code	STEME	LAMAM		ANGR	CHEAL	AMAPO
Trt-Eval Interval	15 DA-B	15 DA-B	14 DAE2	14 DAE2	14 DAE2	14 DAE2
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Rate	Unit	Appl Code	Appl Timing	May-29-2024 control %	May-29-2024 control %	Jun-3-2024 injury %	Jun-3-2024 control %	Jun-3-2024 control %	Jun-3-2024 control %
1	Early planted - AG22XF3					100	100				
	Fierce EZ	6 fl oz/a		A	PRE1						
	Liberty	32 fl oz/a		C	POST1						
	Roundup PowerMax	30 fl oz/a		C	POST1						
	AMS	17 lb/100 gal		C	POST1						
2	Early planted - AG21XF2					100	100				
	Fierce EZ	6 fl oz/a		A	PRE1						
	Liberty	32 fl oz/a		C	POST1						
	Roundup PowerMax	30 fl oz/a		C	POST1						
	AMS	17 lb/100 gal		C	POST1						
3	Early planted - AG22XF3					100	100				
	Metribuzin	4 oz/a		A	PRE1						
	Fierce EZ	6 fl oz/a		A	PRE1						
	Liberty	32 fl oz/a		C	POST1						
	Roundup PowerMax	30 fl oz/a		C	POST1						
	AMS	17 lb/100 gal		C	POST1						
4	Early planted - AG21XF2					100	100				
	Metribuzin	4 oz/a		A	PRE1						
	Fierce EZ	6 fl oz/a		A	PRE1						
	Liberty	32 fl oz/a		C	POST1						
	Roundup PowerMax	30 fl oz/a		C	POST1						
	AMS	17 lb/100 gal		C	POST1						
5	Normal planted - AG22XF3					100	100	17	99	100	100
	Fierce EZ	6 fl oz/a		B	PRE2						
	Liberty	32 fl oz/a		D	POST2						
	Roundup PowerMax	30 fl oz/a		D	POST2						
	AMS	17 lb/100 gal		D	POST2						
6	Normal planted - AG21XF2					100	100	14	92	100	100
	Fierce EZ	6 fl oz/a		B	PRE2						
	Liberty	32 fl oz/a		D	POST2						
	Roundup PowerMax	30 fl oz/a		D	POST2						
	AMS	17 lb/100 gal		D	POST2						
7	Normal planted - AG22XF3					100	100	19	96	100	100
	Metribuzin	4 oz/a		B	PRE2						
	Fierce EZ	6 fl oz/a		B	PRE2						
	Liberty	32 fl oz/a		D	POST2						
	Roundup PowerMax	30 fl oz/a		D	POST2						
	AMS	17 lb/100 gal		D	POST2						
8	Normal planted - AG21XF2					100	100	16	96	100	100
	Metribuzin	4 oz/a		B	PRE2						
	Fierce EZ	6 fl oz/a		B	PRE2						
	Liberty	32 fl oz/a		D	POST2						
	Roundup PowerMax	30 fl oz/a		D	POST2						
	AMS	17 lb/100 gal		D	POST2						
9	Early planted - AG22XF3					100	100				
	Metribuzin	8 oz/a		A	PRE1						
	Fierce EZ	6 fl oz/a		A	PRE1						
	Liberty	32 fl oz/a		C	POST1						
	Roundup PowerMax	30 fl oz/a		C	POST1						
	AMS	17 lb/100 gal		C	POST1						

Could not calculate LSD (% mean diff) or mean separation letters for columns 2,3,4,5,6,8,9,10,11,12,15,17,18,22,26,27,33,34 because error variance is 0.

Mean separation letters are 'na' (not applicable) when error variance is 0

Michigan State University

Early- versus normal-planted soybean with two soybean varieties

Trial ID: SOY02-24

Protocol ID: SOY02-24 Location: Campus, T-10 Trial Year: 2024

Study Director: Sprague, Stiles Sponsor Contact:

Investigator: Christy Sprague

Rating Date	Rating Type	Rating Unit	Crop Type, Code	Pest Code	Trt-Eval Interval	Number of Decimals	May-29-2024 control %	May-29-2024 control %	Jun-3-2024 injury %	Jun-3-2024 control %	Jun-3-2024 control %	Jun-3-2024 control %
							STEME 15 DA-B 0	LAMAM 15 DA-B 0	C, GLXMA 14 DAE2 0	ANGR 14 DAE2 0	CHEAL 14 DAE2 0	AMAPO 14 DAE2 0
Trt No.	Treatment Name	Rate Rate Unit	Appl Code	Appl Timing								
10	Early planted - AG21XF2						100	100				
	Metribuzin	8 oz/a	A	PRE1								
	Fierce EZ	6 fl oz/a	A	PRE1								
	Liberty	32 fl oz/a	C	POST1								
	Roundup PowerMax	30 fl oz/a	C	POST1								
	AMS	17 lb/100 gal	C	POST1								
11	Normal planted - AG22XF3						100	100	23	98	100	100
	Metribuzin	8 oz/a	B	PRE2								
	Fierce EZ	6 fl oz/a	B	PRE2								
	Liberty	32 fl oz/a	D	POST2								
	Roundup PowerMax	30 fl oz/a	D	POST2								
	AMS	17 lb/100 gal	D	POST2								
12	Normal planted - AG21XF2						100	100	19	97	99	100
	Metribuzin	8 oz/a	B	PRE2								
	Fierce EZ	6 fl oz/a	B	PRE2								
	Liberty	32 fl oz/a	D	POST2								
	Roundup PowerMax	30 fl oz/a	D	POST2								
	AMS	17 lb/100 gal	D	POST2								
13	Normal planted - AG22XF3						100	100	23	98	100	100
	Metribuzin	12 oz/a	B	PRE2								
	Fierce EZ	6 fl oz/a	B	PRE2								
	Liberty	32 fl oz/a	D	POST2								
	Roundup PowerMax	30 fl oz/a	D	POST2								
	AMS	17 lb/100 gal	D	POST2								
14	Normal planted - AG21XF2						100	100	17	99	100	100
	Metribuzin	12 oz/a	B	PRE2								
	Fierce EZ	6 fl oz/a	B	PRE2								
	Liberty	32 fl oz/a	D	POST2								
	Roundup PowerMax	30 fl oz/a	D	POST2								
	AMS	17 lb/100 gal	D	POST2								
15	Early planted - AG22XF3						100	100				
	Metribuzin	12 oz/a	A	PRE1								
	Fierce EZ	6 fl oz/a	A	PRE1								
	Liberty	32 fl oz/a	C	POST1								
	Roundup PowerMax	30 fl oz/a	C	POST1								
	AMS	17 lb/100 gal	C	POST1								
16	Early planted - AG21XF2						100	100				
	Metribuzin	12 oz/a	A	PRE1								
	Fierce EZ	6 fl oz/a	A	PRE1								
	Liberty	32 fl oz/a	C	POST1								
	Roundup PowerMax	30 fl oz/a	C	POST1								
	AMS	17 lb/100 gal	C	POST1								
17	Early planted - AG22XF3						100	100				
	Metribuzin	16 oz/a	A	PRE1								
	Fierce EZ	6 fl oz/a	A	PRE1								
	Liberty	32 fl oz/a	C	POST1								
	Roundup PowerMax	30 fl oz/a	C	POST1								
	AMS	17 lb/100 gal	C	POST1								
18	Early planted - AG21XF2						100	100				
	Metribuzin	16 oz/a	A	PRE1								
	Fierce EZ	6 fl oz/a	A	PRE1								
	Liberty	32 fl oz/a	C	POST1								
	Roundup PowerMax	30 fl oz/a	C	POST1								
	AMS	17 lb/100 gal	C	POST1								

Could not calculate LSD (% mean diff) or mean separation letters for columns 2,3,4,5,6,8,9,10,11,12,15,17,18,22,26,27,33,34 because error variance is 0.

Mean separation letters are 'na' (not applicable) when error variance is 0

Michigan State University

Early- versus normal-planted soybean with two soybean varieties

Trial ID: SOY02-24

Protocol ID: SOY02-24 Location: Campus, T-10 Trial Year: 2024

Study Director: Sprague, Stiles Sponsor Contact:

Investigator: Christy Sprague

Rating Date	May-29-2024	May-29-2024	Jun-3-2024	Jun-3-2024	Jun-3-2024	Jun-3-2024				
Rating Type	control	control	injury	control	control	control				
Rating Unit	%	%	%	%	%	%				
Crop Type, Code	C, GLXMA									
Pest Code	STEME	LAMAM		ANGR	CHEAL	AMAPO				
Trt-Eval Interval	15 DA-B	15 DA-B	14 DAE2	14 DAE2	14 DAE2	14 DAE2				
Number of Decimals	0	0	0	0	0	0				
Trt No.	Treatment	Rate Rate Unit	Appl Code	Appl Timing						
19	Normal planted - AG22XF3				100	100	21	100	100	100
	Metribuzin	16 oz/a	B	PRE2						
	Fierce EZ	6 fl oz/a	B	PRE2						
	Liberty	32 fl oz/a	D	POST2						
	Roundup PowerMax	30 fl oz/a	D	POST2						
	AMS	17 lb/100 gal	D	POST2						
20	Normal planted - AG21XF2				100	100	20	99	100	100
	Metribuzin	16 oz/a	B	PRE2						
	Fierce EZ	6 fl oz/a	B	PRE2						
	Liberty	32 fl oz/a	D	POST2						
	Roundup PowerMax	30 fl oz/a	D	POST2						
	AMS	17 lb/100 gal	D	POST2						
21	Normal planted - AG22XF3						0	0	0	0
	Untreated									
22	Normal planted - AG21XF2						0	0	0	0
	Untreated									
23	Early planted - AG22XF3				0	0				
	Untreated									
24	Early planted - AG21XF2				0	0				
	Untreated									
	LSD P=.05				.	.	4.5	3.3	1.0	.
	Standard Deviation				0.0	0.0	3.1	2.3	0.7	0.0
	CV				0.0	0.0	20.23	2.83	0.87	0.0

Could not calculate LSD (% mean diff) or mean separation letters for columns 2,3,4,5,6,8,9,10,11,12,15,17,18,22,26,27,33,34 because error variance is 0.

Mean separation letters are 'na' (not applicable) when error variance is 0

Michigan State University

Early- versus normal-planted soybean with two soybean varieties

Trial ID: SOY02-24

Protocol ID: SOY02-24 Location: Campus, T-10 Trial Year: 2024

Study Director: Sprague, Stiles Sponsor Contact:

Investigator: Christy Sprague

Rating Date	Jun-3-2024	Jun-19-2024	Jun-19-2024	Jun-19-2024	Jun-19-2024	Jun-19-2024
Rating Type	control	injury	control	control	control	control
Rating Unit	%	%	%	%	%	%
Crop Type, Code	C, GLXMA					
Pest Code	AMBEL		ANGR	CHEAL	AMAPO	AMBEL
Trt-Eval Interval	14 DAE2	0 DA-C	0 DA-C	0 DA-C	0 DA-C	0 DA-C
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Rate	Unit	Appl Code	Appl Timing	Jun-3-2024 control %	Jun-19-2024 injury %	Jun-19-2024 control %	Jun-19-2024 control %	Jun-19-2024 control %	Jun-19-2024 control %
1	Early planted - AG22XF3						0	93	100	100	90
	Fierce EZ	6 fl oz/a		A	PRE1						
	Liberty	32 fl oz/a		C	POST1						
	Roundup PowerMax	30 fl oz/a		C	POST1						
	AMS	17 lb/100 gal		C	POST1						
2	Early planted - AG21XF2						0	91	100	100	91
	Fierce EZ	6 fl oz/a		A	PRE1						
	Liberty	32 fl oz/a		C	POST1						
	Roundup PowerMax	30 fl oz/a		C	POST1						
	AMS	17 lb/100 gal		C	POST1						
3	Early planted - AG22XF3						0	95	100	100	92
	Metribuzin	4 oz/a		A	PRE1						
	Fierce EZ	6 fl oz/a		A	PRE1						
	Liberty	32 fl oz/a		C	POST1						
	Roundup PowerMax	30 fl oz/a		C	POST1						
	AMS	17 lb/100 gal		C	POST1						
4	Early planted - AG21XF2						0	94	100	100	90
	Metribuzin	4 oz/a		A	PRE1						
	Fierce EZ	6 fl oz/a		A	PRE1						
	Liberty	32 fl oz/a		C	POST1						
	Roundup PowerMax	30 fl oz/a		C	POST1						
	AMS	17 lb/100 gal		C	POST1						
5	Normal planted - AG22XF3					96	16	91	100	100	96
	Fierce EZ	6 fl oz/a		B	PRE2						
	Liberty	32 fl oz/a		D	POST2						
	Roundup PowerMax	30 fl oz/a		D	POST2						
	AMS	17 lb/100 gal		D	POST2						
6	Normal planted - AG21XF2					90	16	85	100	100	86
	Fierce EZ	6 fl oz/a		B	PRE2						
	Liberty	32 fl oz/a		D	POST2						
	Roundup PowerMax	30 fl oz/a		D	POST2						
	AMS	17 lb/100 gal		D	POST2						
7	Normal planted - AG22XF3					96	19	90	100	100	95
	Metribuzin	4 oz/a		B	PRE2						
	Fierce EZ	6 fl oz/a		B	PRE2						
	Liberty	32 fl oz/a		D	POST2						
	Roundup PowerMax	30 fl oz/a		D	POST2						
	AMS	17 lb/100 gal		D	POST2						
8	Normal planted - AG21XF2					99	16	88	100	100	92
	Metribuzin	4 oz/a		B	PRE2						
	Fierce EZ	6 fl oz/a		B	PRE2						
	Liberty	32 fl oz/a		D	POST2						
	Roundup PowerMax	30 fl oz/a		D	POST2						
	AMS	17 lb/100 gal		D	POST2						
9	Early planted - AG22XF3						1	96	100	100	99
	Metribuzin	8 oz/a		A	PRE1						
	Fierce EZ	6 fl oz/a		A	PRE1						
	Liberty	32 fl oz/a		C	POST1						
	Roundup PowerMax	30 fl oz/a		C	POST1						
	AMS	17 lb/100 gal		C	POST1						

Could not calculate LSD (% mean diff) or mean separation letters for columns 2,3,4,5,6,8,9,10,11,12,15,17,18,22,26,27,33,34 because error variance is 0.

Mean separation letters are 'na' (not applicable) when error variance is 0

Michigan State University

Early- versus normal-planted soybean with two soybean varieties

Trial ID: SOY02-24

Protocol ID: SOY02-24 Location: Campus, T-10 Trial Year: 2024

Study Director: Sprague, Stiles Sponsor Contact:

Investigator: Christy Sprague

Rating Date	Jun-3-2024	Jun-19-2024	Jun-19-2024	Jun-19-2024	Jun-19-2024	Jun-19-2024				
Rating Type	control	injury	control	control	control	control				
Rating Unit	%	%	%	%	%	%				
Crop Type, Code	C, GLXMA									
Pest Code	AMBEL		ANGR	CHEAL	AMAPO	AMBEL				
Trt-Eval Interval	14 DAE2	0 DA-C	0 DA-C	0 DA-C	0 DA-C	0 DA-C				
Number of Decimals	0	0	0	0	0	0				
Trt No.	Treatment Name	Rate	Appl Code	Appl Timing						
10	Early planted - AG21XF2				1	91	100	100	95	
	Metribuzin	8 oz/a	A	PRE1						
	Fierce EZ	6 fl oz/a	A	PRE1						
	Liberty	32 fl oz/a	C	POST1						
	Roundup PowerMax	30 fl oz/a	C	POST1						
	AMS	17 lb/100 gal	C	POST1						
11	Normal planted - AG22XF3				100	20	89	100	100	96
	Metribuzin	8 oz/a	B	PRE2						
	Fierce EZ	6 fl oz/a	B	PRE2						
	Liberty	32 fl oz/a	D	POST2						
	Roundup PowerMax	30 fl oz/a	D	POST2						
	AMS	17 lb/100 gal	D	POST2						
12	Normal planted - AG21XF2				96	16	91	100	100	95
	Metribuzin	8 oz/a	B	PRE2						
	Fierce EZ	6 fl oz/a	B	PRE2						
	Liberty	32 fl oz/a	D	POST2						
	Roundup PowerMax	30 fl oz/a	D	POST2						
	AMS	17 lb/100 gal	D	POST2						
13	Normal planted - AG22XF3				99	23	91	100	100	95
	Metribuzin	12 oz/a	B	PRE2						
	Fierce EZ	6 fl oz/a	B	PRE2						
	Liberty	32 fl oz/a	D	POST2						
	Roundup PowerMax	30 fl oz/a	D	POST2						
	AMS	17 lb/100 gal	D	POST2						
14	Normal planted - AG21XF2				99	20	94	100	100	98
	Metribuzin	12 oz/a	B	PRE2						
	Fierce EZ	6 fl oz/a	B	PRE2						
	Liberty	32 fl oz/a	D	POST2						
	Roundup PowerMax	30 fl oz/a	D	POST2						
	AMS	17 lb/100 gal	D	POST2						
15	Early planted - AG22XF3					2	98	100	100	99
	Metribuzin	12 oz/a	A	PRE1						
	Fierce EZ	6 fl oz/a	A	PRE1						
	Liberty	32 fl oz/a	C	POST1						
	Roundup PowerMax	30 fl oz/a	C	POST1						
	AMS	17 lb/100 gal	C	POST1						
16	Early planted - AG21XF2					1	96	100	100	99
	Metribuzin	12 oz/a	A	PRE1						
	Fierce EZ	6 fl oz/a	A	PRE1						
	Liberty	32 fl oz/a	C	POST1						
	Roundup PowerMax	30 fl oz/a	C	POST1						
	AMS	17 lb/100 gal	C	POST1						
17	Early planted - AG22XF3					0	96	100	100	98
	Metribuzin	16 oz/a	A	PRE1						
	Fierce EZ	6 fl oz/a	A	PRE1						
	Liberty	32 fl oz/a	C	POST1						
	Roundup PowerMax	30 fl oz/a	C	POST1						
	AMS	17 lb/100 gal	C	POST1						
18	Early planted - AG21XF2					0	96	100	100	95
	Metribuzin	16 oz/a	A	PRE1						
	Fierce EZ	6 fl oz/a	A	PRE1						
	Liberty	32 fl oz/a	C	POST1						
	Roundup PowerMax	30 fl oz/a	C	POST1						
	AMS	17 lb/100 gal	C	POST1						

Could not calculate LSD (% mean diff) or mean separation letters for columns 2,3,4,5,6,8,9,10,11,12,15,17,18,22,26,27,33,34 because error variance is 0.

Mean separation letters are 'na' (not applicable) when error variance is 0



Michigan State University

Early- versus normal-planted soybean with two soybean varieties

Trial ID: SOY02-24

Protocol ID: SOY02-24 Location: Campus, T-10 Trial Year: 2024

Study Director: Sprague, Stiles Sponsor Contact:

Investigator: Christy Sprague

Rating Date	Jun-3-2024	Jun-19-2024	Jun-19-2024	Jun-19-2024	Jun-19-2024	Jun-19-2024				
Rating Type	control	injury	control	control	control	control				
Rating Unit	%	%	%	%	%	%				
Crop Type, Code	C, GLXMA									
Pest Code	AMBEL		ANGR	CHEAL	AMAPO	AMBEL				
Trt-Eval Interval	14 DAE2	0 DA-C	0 DA-C	0 DA-C	0 DA-C	0 DA-C				
Number of Decimals	0	0	0	0	0	0				
Trt No.	Treatment	Rate	Appl Code	Appl Timing						
19	Normal planted - AG22XF3				100	24	96	100	100	100
	Metribuzin	16 oz/a	B	PRE2						
	Fierce EZ	6 fl oz/a	B	PRE2						
	Liberty	32 fl oz/a	D	POST2						
	Roundup PowerMax	30 fl oz/a	D	POST2						
	AMS	17 lb/100 gal	D	POST2						
20	Normal planted - AG21XF2				98	21	96	100	100	97
	Metribuzin	16 oz/a	B	PRE2						
	Fierce EZ	6 fl oz/a	B	PRE2						
	Liberty	32 fl oz/a	D	POST2						
	Roundup PowerMax	30 fl oz/a	D	POST2						
	AMS	17 lb/100 gal	D	POST2						
21	Normal planted - AG22XF3				0	0	0	0	0	0
	Untreated									
22	Normal planted - AG21XF2				0	0	0	0	0	0
	Untreated									
23	Early planted - AG22XF3					0	0	0	0	0
	Untreated									
24	Early planted - AG21XF2					0	0	0	0	0
	Untreated									
	LSD P=.05				6.4	3.1	5.8	.	.	9.1
	Standard Deviation				4.4	2.2	4.1	0.0	0.0	6.4
	CV				5.48	27.32	5.32	0.0	0.0	8.14

Could not calculate LSD (% mean diff) or mean separation letters for columns 2,3,4,5,6,8,9,10,11,12,15,17,18,22,26,27,33,34 because error variance is 0.

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Michigan State University

Early- versus normal-planted soybean with two soybean varieties

Trial ID: SOY02-24

Protocol ID: SOY02-24 Location: Campus, T-10 Trial Year: 2024

Study Director: Sprague, Stiles Sponsor Contact:

Investigator: Christy Sprague

Rating Date	Jun-19-2024	Jun-19-2024	Jun-28-2024	Jun-28-2024	Jun-28-2024	Jun-28-2024
Rating Type	control	control	injury	control	control	control
Rating Unit	%	%	%	%	%	%
Crop Type, Code	C, GLXMA					
Pest Code	ABUTH	SINAR		ANGR	CHEAL	AMAPO
Trt-Eval Interval	0 DA-C	0 DA-C	0 DA-D	0 DA-D	0 DA-D	0 DA-D
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Rate	Unit	Appl Code	Appl Timing	Jun-19-2024 control %	Jun-19-2024 control %	Jun-28-2024 injury %	Jun-28-2024 control %	Jun-28-2024 control %	Jun-28-2024 control %
1	Early planted - AG22XF3					100	100	0	100	100	100
	Fierce EZ	6 fl oz/a		A	PRE1						
	Liberty	32 fl oz/a		C	POST1						
	Roundup PowerMax	30 fl oz/a		C	POST1						
	AMS	17 lb/100 gal		C	POST1						
2	Early planted - AG21XF2					98	100	0	100	100	100
	Fierce EZ	6 fl oz/a		A	PRE1						
	Liberty	32 fl oz/a		C	POST1						
	Roundup PowerMax	30 fl oz/a		C	POST1						
	AMS	17 lb/100 gal		C	POST1						
3	Early planted - AG22XF3					100	100	0	100	100	100
	Metribuzin	4 oz/a		A	PRE1						
	Fierce EZ	6 fl oz/a		A	PRE1						
	Liberty	32 fl oz/a		C	POST1						
	Roundup PowerMax	30 fl oz/a		C	POST1						
	AMS	17 lb/100 gal		C	POST1						
4	Early planted - AG21XF2					100	100	0	100	100	100
	Metribuzin	4 oz/a		A	PRE1						
	Fierce EZ	6 fl oz/a		A	PRE1						
	Liberty	32 fl oz/a		C	POST1						
	Roundup PowerMax	30 fl oz/a		C	POST1						
	AMS	17 lb/100 gal		C	POST1						
5	Normal planted - AG22XF3					100	100	0	90	100	100
	Fierce EZ	6 fl oz/a		B	PRE2						
	Liberty	32 fl oz/a		D	POST2						
	Roundup PowerMax	30 fl oz/a		D	POST2						
	AMS	17 lb/100 gal		D	POST2						
6	Normal planted - AG21XF2					100	100	0	88	100	100
	Fierce EZ	6 fl oz/a		B	PRE2						
	Liberty	32 fl oz/a		D	POST2						
	Roundup PowerMax	30 fl oz/a		D	POST2						
	AMS	17 lb/100 gal		D	POST2						
7	Normal planted - AG22XF3					100	100	3	94	100	100
	Metribuzin	4 oz/a		B	PRE2						
	Fierce EZ	6 fl oz/a		B	PRE2						
	Liberty	32 fl oz/a		D	POST2						
	Roundup PowerMax	30 fl oz/a		D	POST2						
	AMS	17 lb/100 gal		D	POST2						
8	Normal planted - AG21XF2					100	99	0	89	100	100
	Metribuzin	4 oz/a		B	PRE2						
	Fierce EZ	6 fl oz/a		B	PRE2						
	Liberty	32 fl oz/a		D	POST2						
	Roundup PowerMax	30 fl oz/a		D	POST2						
	AMS	17 lb/100 gal		D	POST2						
9	Early planted - AG22XF3					100	100	0	100	100	100
	Metribuzin	8 oz/a		A	PRE1						
	Fierce EZ	6 fl oz/a		A	PRE1						
	Liberty	32 fl oz/a		C	POST1						
	Roundup PowerMax	30 fl oz/a		C	POST1						
	AMS	17 lb/100 gal		C	POST1						

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Michigan State University

Early- versus normal-planted soybean with two soybean varieties

Trial ID: SOY02-24

Protocol ID: SOY02-24 Location: Campus, T-10 Trial Year: 2024

Study Director: Sprague, Stiles Sponsor Contact:

Investigator: Christy Sprague

Rating Date				Jun-19-2024	Jun-19-2024	Jun-28-2024	Jun-28-2024	Jun-28-2024	Jun-28-2024	
Rating Type				control	control	injury	control	control	control	
Rating Unit				%	%	%	%	%	%	
Crop Type, Code						C, GLXMA				
Pest Code				ABUTH	SINAR		ANGR	CHEAL	AMAPO	
Trt-Eval Interval				0 DA-C	0 DA-C	0 DA-D	0 DA-D	0 DA-D	0 DA-D	
Number of Decimals				0	0	0	0	0	0	
Trt No.	Treatment Name	Rate Unit	Appl Code	Appl Timing						
10	Early planted - AG21XF2				100	100	0	100	100	100
	Metribuzin	8 oz/a	A	PRE1						
	Fierce EZ	6 fl oz/a	A	PRE1						
	Liberty	32 fl oz/a	C	POST1						
	Roundup PowerMax	30 fl oz/a	C	POST1						
	AMS	17 lb/100 gal	C	POST1						
11	Normal planted - AG22XF3				100	100	0	91	100	100
	Metribuzin	8 oz/a	B	PRE2						
	Fierce EZ	6 fl oz/a	B	PRE2						
	Liberty	32 fl oz/a	D	POST2						
	Roundup PowerMax	30 fl oz/a	D	POST2						
	AMS	17 lb/100 gal	D	POST2						
12	Normal planted - AG21XF2				100	100	0	93	100	100
	Metribuzin	8 oz/a	B	PRE2						
	Fierce EZ	6 fl oz/a	B	PRE2						
	Liberty	32 fl oz/a	D	POST2						
	Roundup PowerMax	30 fl oz/a	D	POST2						
	AMS	17 lb/100 gal	D	POST2						
13	Normal planted - AG22XF3				100	100	5	93	100	100
	Metribuzin	12 oz/a	B	PRE2						
	Fierce EZ	6 fl oz/a	B	PRE2						
	Liberty	32 fl oz/a	D	POST2						
	Roundup PowerMax	30 fl oz/a	D	POST2						
	AMS	17 lb/100 gal	D	POST2						
14	Normal planted - AG21XF2				100	100	0	97	100	100
	Metribuzin	12 oz/a	B	PRE2						
	Fierce EZ	6 fl oz/a	B	PRE2						
	Liberty	32 fl oz/a	D	POST2						
	Roundup PowerMax	30 fl oz/a	D	POST2						
	AMS	17 lb/100 gal	D	POST2						
15	Early planted - AG22XF3				100	100	0	100	100	100
	Metribuzin	12 oz/a	A	PRE1						
	Fierce EZ	6 fl oz/a	A	PRE1						
	Liberty	32 fl oz/a	C	POST1						
	Roundup PowerMax	30 fl oz/a	C	POST1						
	AMS	17 lb/100 gal	C	POST1						
16	Early planted - AG21XF2				100	100	0	100	100	100
	Metribuzin	12 oz/a	A	PRE1						
	Fierce EZ	6 fl oz/a	A	PRE1						
	Liberty	32 fl oz/a	C	POST1						
	Roundup PowerMax	30 fl oz/a	C	POST1						
	AMS	17 lb/100 gal	C	POST1						
17	Early planted - AG22XF3				100	100	0	100	100	100
	Metribuzin	16 oz/a	A	PRE1						
	Fierce EZ	6 fl oz/a	A	PRE1						
	Liberty	32 fl oz/a	C	POST1						
	Roundup PowerMax	30 fl oz/a	C	POST1						
	AMS	17 lb/100 gal	C	POST1						
18	Early planted - AG21XF2				100	100	0	100	100	100
	Metribuzin	16 oz/a	A	PRE1						
	Fierce EZ	6 fl oz/a	A	PRE1						
	Liberty	32 fl oz/a	C	POST1						
	Roundup PowerMax	30 fl oz/a	C	POST1						
	AMS	17 lb/100 gal	C	POST1						

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Michigan State University

Early- versus normal-planted soybean with two soybean varieties

Trial ID: SOY02-24

Protocol ID: SOY02-24 Location: Campus, T-10 Trial Year: 2024

Study Director: Sprague, Stiles Sponsor Contact:

Investigator: Christy Sprague

Rating Date				Jun-19-2024	Jun-19-2024	Jun-28-2024	Jun-28-2024	Jun-28-2024	Jun-28-2024	
Rating Type				control	control	injury	control	control	control	
Rating Unit				%	%	%	%	%	%	
Crop Type, Code						C, GLXMA				
Pest Code				ABUTH	SINAR		ANGR	CHEAL	AMAPO	
Trt-Eval Interval				0 DA-C	0 DA-C	0 DA-D	0 DA-D	0 DA-D	0 DA-D	
Number of Decimals				0	0	0	0	0	0	
Trt No.	Treatment Name	Rate	Appl Code	Appl Timing						
19	Normal planted - AG22XF3				100	100	3	99	100	100
	Metribuzin	16 oz/a	B	PRE2						
	Fierce EZ	6 fl oz/a	B	PRE2						
	Liberty	32 fl oz/a	D	POST2						
	Roundup PowerMax	30 fl oz/a	D	POST2						
	AMS	17 lb/100 gal	D	POST2						
20	Normal planted - AG21XF2				100	100	0	96	100	100
	Metribuzin	16 oz/a	B	PRE2						
	Fierce EZ	6 fl oz/a	B	PRE2						
	Liberty	32 fl oz/a	D	POST2						
	Roundup PowerMax	30 fl oz/a	D	POST2						
	AMS	17 lb/100 gal	D	POST2						
21	Normal planted - AG22XF3				0	0	0	0	0	0
	Untreated									
22	Normal planted - AG21XF2				0	0	0	0	0	0
	Untreated									
23	Early planted - AG22XF3				0	0	0	0	0	0
	Untreated									
24	Early planted - AG21XF2				0	0	0	0	0	0
	Untreated									
	LSD P=.05				1.4	0.7	2.4	3.4	.	.
	Standard Deviation				1.0	0.5	1.7	2.4	0.0	0.0
	CV				1.23	0.61	390.81	2.96	0.0	0.0

Could not calculate LSD (% mean diff) or mean separation letters for columns 2,3,4,5,6,8,9,10,11,12,15,17,18,22,26,27,33,34 because error variance is 0.

Mean separation letters are 'na' (not applicable) when error variance is 0

Michigan State University

Early- versus normal-planted soybean with two soybean varieties

Trial ID: SOY02-24

Protocol ID: SOY02-24 Location: Campus, T-10 Trial Year: 2024

Study Director: Sprague, Stiles Sponsor Contact:

Investigator: Christy Sprague

Rating Date	Jun-28-2024	Sep-20-2024
Rating Type	control	yield
Rating Unit	%	bu/A
Crop Type, Code		C, GLXMA
Pest Code	AMBEL	
Trt-Eval Interval	0 DA-D	@13% M
Number of Decimals	0	1

Trt No.	Treatment Name	Rate	Unit	Appl Code	Appl Timing		
1	Early planted - AG22XF3					99	63.1
	Fierce EZ	6 fl oz/a		A	PRE1		
	Liberty	32 fl oz/a		C	POST1		
	Roundup PowerMax	30 fl oz/a		C	POST1		
	AMS	17 lb/100 gal	gal	C	POST1		
2	Early planted - AG21XF2					100	62.8
	Fierce EZ	6 fl oz/a		A	PRE1		
	Liberty	32 fl oz/a		C	POST1		
	Roundup PowerMax	30 fl oz/a		C	POST1		
	AMS	17 lb/100 gal	gal	C	POST1		
3	Early planted - AG22XF3					100	69.9
	Metribuzin	4 oz/a		A	PRE1		
	Fierce EZ	6 fl oz/a		A	PRE1		
	Liberty	32 fl oz/a		C	POST1		
	Roundup PowerMax	30 fl oz/a		C	POST1		
	AMS	17 lb/100 gal	gal	C	POST1		
4	Early planted - AG21XF2					100	67.1
	Metribuzin	4 oz/a		A	PRE1		
	Fierce EZ	6 fl oz/a		A	PRE1		
	Liberty	32 fl oz/a		C	POST1		
	Roundup PowerMax	30 fl oz/a		C	POST1		
	AMS	17 lb/100 gal	gal	C	POST1		
5	Normal planted - AG22XF3					94	67.5
	Fierce EZ	6 fl oz/a		B	PRE2		
	Liberty	32 fl oz/a		D	POST2		
	Roundup PowerMax	30 fl oz/a		D	POST2		
	AMS	17 lb/100 gal	gal	D	POST2		
6	Normal planted - AG21XF2					86	63.6
	Fierce EZ	6 fl oz/a		B	PRE2		
	Liberty	32 fl oz/a		D	POST2		
	Roundup PowerMax	30 fl oz/a		D	POST2		
	AMS	17 lb/100 gal	gal	D	POST2		
7	Normal planted - AG22XF3					94	67.6
	Metribuzin	4 oz/a		B	PRE2		
	Fierce EZ	6 fl oz/a		B	PRE2		
	Liberty	32 fl oz/a		D	POST2		
	Roundup PowerMax	30 fl oz/a		D	POST2		
	AMS	17 lb/100 gal	gal	D	POST2		
8	Normal planted - AG21XF2					99	67.8
	Metribuzin	4 oz/a		B	PRE2		
	Fierce EZ	6 fl oz/a		B	PRE2		
	Liberty	32 fl oz/a		D	POST2		
	Roundup PowerMax	30 fl oz/a		D	POST2		
	AMS	17 lb/100 gal	gal	D	POST2		
9	Early planted - AG22XF3					100	72.3
	Metribuzin	8 oz/a		A	PRE1		
	Fierce EZ	6 fl oz/a		A	PRE1		
	Liberty	32 fl oz/a		C	POST1		
	Roundup PowerMax	30 fl oz/a		C	POST1		
	AMS	17 lb/100 gal	gal	C	POST1		

Could not calculate LSD (% mean diff) or mean separation letters for columns 2,3,4,5,6,8,9,10,11,12,15,17,18,22,26,27,33,34 because error variance is 0.

Mean separation letters are 'na' (not applicable) when error variance is 0

## Michigan State University

Early- versus normal-planted soybean with two soybean varieties

Trial ID: SOY02-24

Protocol ID: SOY02-24 Location: Campus, T-10 Trial Year: 2024

Study Director: Sprague, Stiles Sponsor Contact:

Investigator: Christy Sprague

Rating Date	Jun-28-2024	Sep-20-2024
Rating Type	control	yield
Rating Unit	%	bu/A
Crop Type, Code		C, GLXMA
Pest Code	AMBEL	
Trt-Eval Interval	0 DA-D	@13% M
Number of Decimals	0	1

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	Appl Timing		
10	Early planted - AG21XF2					100	69.0
	Metribuzin	8 oz/a		A	PRE1		
	Fierce EZ	6 fl oz/a		A	PRE1		
	Liberty	32 fl oz/a		C	POST1		
	Roundup PowerMax	30 fl oz/a		C	POST1		
	AMS	17 lb/100 gal		C	POST1		
11	Normal planted - AG22XF3					100	68.7
	Metribuzin	8 oz/a		B	PRE2		
	Fierce EZ	6 fl oz/a		B	PRE2		
	Liberty	32 fl oz/a		D	POST2		
	Roundup PowerMax	30 fl oz/a		D	POST2		
	AMS	17 lb/100 gal		D	POST2		
12	Normal planted - AG21XF2					95	65.0
	Metribuzin	8 oz/a		B	PRE2		
	Fierce EZ	6 fl oz/a		B	PRE2		
	Liberty	32 fl oz/a		D	POST2		
	Roundup PowerMax	30 fl oz/a		D	POST2		
	AMS	17 lb/100 gal		D	POST2		
13	Normal planted - AG22XF3					100	63.3
	Metribuzin	12 oz/a		B	PRE2		
	Fierce EZ	6 fl oz/a		B	PRE2		
	Liberty	32 fl oz/a		D	POST2		
	Roundup PowerMax	30 fl oz/a		D	POST2		
	AMS	17 lb/100 gal		D	POST2		
14	Normal planted - AG21XF2					100	64.6
	Metribuzin	12 oz/a		B	PRE2		
	Fierce EZ	6 fl oz/a		B	PRE2		
	Liberty	32 fl oz/a		D	POST2		
	Roundup PowerMax	30 fl oz/a		D	POST2		
	AMS	17 lb/100 gal		D	POST2		
15	Early planted - AG22XF3					100	66.6
	Metribuzin	12 oz/a		A	PRE1		
	Fierce EZ	6 fl oz/a		A	PRE1		
	Liberty	32 fl oz/a		C	POST1		
	Roundup PowerMax	30 fl oz/a		C	POST1		
	AMS	17 lb/100 gal		C	POST1		
16	Early planted - AG21XF2					100	63.2
	Metribuzin	12 oz/a		A	PRE1		
	Fierce EZ	6 fl oz/a		A	PRE1		
	Liberty	32 fl oz/a		C	POST1		
	Roundup PowerMax	30 fl oz/a		C	POST1		
	AMS	17 lb/100 gal		C	POST1		
17	Early planted - AG22XF3					100	74.0
	Metribuzin	16 oz/a		A	PRE1		
	Fierce EZ	6 fl oz/a		A	PRE1		
	Liberty	32 fl oz/a		C	POST1		
	Roundup PowerMax	30 fl oz/a		C	POST1		
	AMS	17 lb/100 gal		C	POST1		
18	Early planted - AG21XF2					100	71.0
	Metribuzin	16 oz/a		A	PRE1		
	Fierce EZ	6 fl oz/a		A	PRE1		
	Liberty	32 fl oz/a		C	POST1		
	Roundup PowerMax	30 fl oz/a		C	POST1		
	AMS	17 lb/100 gal		C	POST1		

Could not calculate LSD (% mean diff) or mean separation letters for columns 2,3,4,5,6,8,9,10,11,12,15,17,18,22,26,27,33,34 because error variance is 0.

Mean separation letters are 'na' (not applicable) when error variance is 0

Michigan State University

Early- versus normal-planted soybean with two soybean varieties

Trial ID: SOY02-24

Protocol ID: SOY02-24 Location: Campus, T-10 Trial Year: 2024

Study Director: Sprague, Stiles Sponsor Contact:

Investigator: Christy Sprague

Rating Date	Jun-28-2024	Sep-20-2024
Rating Type	control	yield
Rating Unit	%	bu/A
Crop Type, Code		C, GLXMA
Pest Code	AMBEL	
Trt-Eval Interval	0 DA-D	@13% M
Number of Decimals	0	1

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	Appl Timing	Jun-28-2024	Sep-20-2024
19	Normal planted - AG22XF3					100	65.2
	Metribuzin	16 oz/a		B	PRE2		
	Fierce EZ	6 fl oz/a		B	PRE2		
	Liberty	32 fl oz/a		D	POST2		
	Roundup PowerMax	30 fl oz/a		D	POST2		
	AMS	17 lb/100 gal		D	POST2		
20	Normal planted - AG21XF2					97	66.0
	Metribuzin	16 oz/a		B	PRE2		
	Fierce EZ	6 fl oz/a		B	PRE2		
	Liberty	32 fl oz/a		D	POST2		
	Roundup PowerMax	30 fl oz/a		D	POST2		
	AMS	17 lb/100 gal		D	POST2		
21	Normal planted - AG22XF3					0	27.2
	Untreated						
22	Normal planted - AG21XF2					0	28.4
	Untreated						
23	Early planted - AG22XF3					0	20.0
	Untreated						
24	Early planted - AG21XF2					0	23.0
	Untreated						
	LSD P=.05					5.8	7.83
	Standard Deviation					4.1	5.55
	CV					5.03	9.27

Could not calculate LSD (% mean diff) or mean separation letters for columns 2,3,4,5,6,8,9,10,11,12,15,17,18,22,26,27,33,34 because error variance is 0.

Mean separation letters are 'na' (not applicable) when error variance is 0