



Cooperative
Extension Service

2024

**PEST MANAGEMENT
FIELD DAY**

Weed Science Research Trials

University of Kentucky Research and Education Center

Princeton, KY

June 27, 2024

The implementation of Weed Science Research Trials at the UKREC would not be possible without the hard work, effort, and dedication of the following individuals:

Jesse Gray

Catlin Young

Chris Kelly

Hayden Love

Daniel Laurent

Jacey Jagers

The success of the Pest Management Field Day is not possible without the dedication and tireless efforts of Jason Travis. Thank you, Jason, for your continued efforts to make this field day and all pest management events a success!

We would also like to thank Colette Laurent, Lori Rogers, and the UKREC farm crew and support staff for their assistance in support of the 2024 Pest Management Field Day.

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Questions or concerns pertaining to the Weed Science Research Trials based at the UKREC can be directed to Dr. Travis Legleiter. Travis.Legleiter@uky.edu (859) 562-1323

Hopkinsville Street (Hwy 91) Fields



Watson Road (505 Fields) Plot Map



KREC Weather Data: April 2024

Weather data provided by Kentucky Mesonet at Western Kentucky University. Data downloaded from:

http://www.kymesonet.org/monthly_summaries.html?county=PRNC

Date	Temperature (F)				Degree Days		Humidity (%)		Precip (Inches)	Prevailing Wind Direction and Speed (mph)			Solar (MJ/m^2)
	Max	Min	Avg	Avg Dew pt	HDD	CDD	Max	Min		Direction	Average	Max	
1	75.5	68	71.8	62.7	0	6.8	85.2	63.2	0	SW	9	21.1	8.1
2	76.8	47.4	62.1	57.7	2.9	0	94.7	46.2	0.27	W	13.2	32.5	11
3	54.4	41.5	48	35.1	17	0	82.7	43.7	0	WNW	13.9	36	14.6
4	48	36.8	42.4	31.4	22.6	0	82.6	50.3	0	NNW	10.7	32.9	10.4
5	49.1	30.5	39.8	32.7	25.2	0	95.9	51.2	0	NNE	4.9	19.3	10.1
6	60.2	30.6	45.4	33.4	19.6	0	93.8	37.4	0	SE	5	21.2	24.7
7	77.9	47.5	62.7	43.4	2.3	0	92.2	30.1	0.27	S	10.2	29.5	17.7
8	75.8	53.7	64.8	55.8	0.2	0	98.5	36.9	0	SW	6.3	20.2	19
9	64.7	58.5	61.6	58.1	3.4	0	97.2	72.4	0.35	SSW	6.4	18.9	5.7
10	68.5	58.5	63.5	61	1.5	0	98.6	83.7	0.44	SSE	5	19.4	5.6
11	64.7	53.1	58.9	51.4	6.1	0	99.3	48.9	1.1	NNW	8.8	34.7	6.5
12	66.2	43.3	54.7	38.2	10.3	0	86.9	32.6	0	NW	11.2	32.1	19.6
13	75.9	38.3	57.1	42.2	7.9	0	97.7	24	0	SW	3.8	13.9	25.1
14	79.7	58.9	69.3	50.1	0	4.3	72.1	32.5	0	WSW	9.1	27	24.8
15	83.2	60.9	72	61.7	0	7	87.5	52.8	0	SW	5.3	17.4	22.6
16	83.2	64.5	73.9	59	0	8.9	91.3	30.4	0.06	SSW	9.6	31.6	20.1
17	81.9	59.2	70.5	59.2	0	5.5	90	36.9	0.04	WSW	10.5	33	23.4
18	82.8	56.9	69.9	62.1	0	4.9	100	46.5	0.03	SSW	6.3	29.5	19.8
19	68.7	52.2	60.5	47.9	4.5	0	95.8	43.5	0.06	NNE	9.2	23.5	12.1
20	61	41.1	51.1	35.3	13.9	0	91.4	30.9	0	NNE	7.5	24.3	22.3
21	57.8	37.2	47.5	30.4	17.5	0	83.6	31.1	0	NNE	8.1	24.3	22.1
22	64.6	32	48.3	33.5	16.7	0	97.4	25.8	0	WSW	3	16.9	26.8
23	72.3	41.5	56.9	43.6	8.1	0	89	37.9	0.04	WSW	8.1	29.8	23.6
24	70.8	49.6	60.2	46.5	4.8	0	98.2	30.1	0	NNE	6.5	19.5	26.7
25	68	38.8	53.4	41.7	11.6	0	96.6	30	0	ENE	5.1	14.8	21.6
26	80.8	52.4	66.6	53.9	0	1.6	91.9	43.1	0.08	S	8.2	24.7	21
27	81.7	64.4	73	60.8	0	8.1	91	45.5	0.03	SSW	10.2	36.6	17.5
28	80.4	64.2	72.3	60.5	0	7.3	86	49.2	0	SSW	10	27.7	20.9
29	75.5	62.7	69.1	61.3	0	4.1	99	60.6	0.67	SSW	7.7	23.7	11.1
30	78.3	57.7	68	59.5	0	3	99.5	43	0	SE	2.2	13.2	23.6
Monthly Average	71	50	60	49			92	43		WSW	7.8	25	
Monthly Total					196	62			3.4				539

UKREC Weather Data: May 2024

Weather data provided by Kentucky Mesonet at Western Kentucky University. Data downloaded from:

http://www.kymesonet.org/monthly_summaries.html?county=PRNC

Date	Temperature (F)				Degree Days		Humidity (%)		Precip (Inches)	Prevailing Wind Direction and Speed (mph)			Solar (MJ/m^2)
	Max	Min	Avg	Avg Dew pt	HDD	CDD	Max	Min		Direction	Average	Max	
1	83.5	56.1	69.8	61.4	0	4.8	95.9	50.6	0	SW	4.4	17.1	25
2	83.5	58.7	71.1	61.4	0	6.1	97.3	37.1	0.21	SSW	4.7	16.5	22.8
3	75.1	63.8	69.4	65.6	0	4.4	99.3	67.9	0.23	ENE	2.9	10.3	10.3
4	81.2	63.3	72.3	65.5	0	7.3	100	55.2	0	WSW	3.4	16.3	24.3
5	79.5	59.2	69.3	63.2	0	4.3	98.4	55	0.3	E	2.9	21.6	20.1
6	76.8	64.2	70.5	65.4	0	5.5	98.7	66.2	0.36	SW	5.7	20.5	15.4
7	82.2	66.8	74.5	69.7	0	9.4	96.6	68.1	0.13	SSW	8.3	24.1	14.7
8	80.5	65.3	72.9	67	0	7.9	98.3	73.4	1.96	SE	7.3	34.9	14.1
9	80.2	62	71.1	59.9	0	6.1	98.3	33.9	0.13	WNW	9	26.7	22.8
10	68	52	60	52.3	5	0	97.1	49.5	0	NNE	6.3	23.8	19.6
11	75.1	49.9	62.5	48.3	2.5	0	98.9	27.8	0	NW	5.7	21.9	27.5
12	78.4	47.9	63.1	50.2	1.9	0	98.4	29.6	0	SW	2.6	13.8	27.7
13	70.5	58.3	64.4	58.5	0.6	0	95.4	62.6	0.02	S	6	21.3	10.8
14	72.2	60.6	66.4	62.7	0	1.4	99.3	79	1.6	S	7.6	55.8	8.9
15	71.5	57.6	64.6	61.5	0.4	0	100	71.4	0	NNW	5.7	18.9	10
16	79.6	55.2	67.4	61.4	0	2.4	100	49.3	0	WNW	2.7	14.3	23.7
17	75	62.9	68.9	64.2	0	3.9	99.5	62.5	0.73	SSE	3.4	13.3	13.1
18	81.4	60.9	71.2	63.9	0	6.2	100	53.4	0	ENE	3	15.3	24.8
19	85.7	59.8	72.7	62.5	0	7.7	100	40.3	0	E	1.8	11	27.2
20	85.6	60.6	73.1	63.3	0	8.1	98.8	38	0	SSW	3.2	14.7	26.3
21	86.3	68.3	77.3	65.6	0	12.3	92.4	50	0	SSW	7.9	22.9	25.2
22	82.4	65.8	74.1	66	0	9.1	98.8	58.9	0.54	SW	6.9	23.8	10.9
23	78.4	63.8	71.1	67.3	0	6.1	99.5	72.7	0.06	S	4.5	26.1	14.2
24	76.1	65.8	71	64.9	0	6	98.4	62.1	0	SSW	5.7	23.9	10.7
25	83.8	67.5	75.6	68.1	0	10.6	96.3	58.4	0	SW	5	18.9	23.2
26	80.3	63.4	71.9	68	0	6.9	98.9	74.3	2.63	S	9.4	57.2	9.9
27	81.6	61.6	71.7	61.9	0	6.7	99.3	38.6	0.01	WNW	6.2	24.8	23.4
28	81.3	57.8	69.6	56	0	4.6	99.8	31.9	0	NW	5.6	20.8	28.1
29	75.9	54.4	65.2	53.4	0	0.2	99	36.2	0	NNE	4.4	21.9	27.8
30	77.6	51.6	64.6	52.7	0.4	0	98.4	37.3	0	E	4.5	17.5	30.4
31	80.8	61.3	71.1	54.5	0	6.1	85.5	35.8	0	ESE	7.6	21.5	25.2
Monthly Average	79	60	70	62			98	53		SSW	5.3	22.3	
Monthly Total					11	154			8.9				618

UKREC Weather Data: June 2024

Weather data provided by Kentucky Mesonet at Western Kentucky University. Data downloaded from:

http://www.kymesonet.org/monthly_summaries.html?county=PRNC

Date	Temperature (F)				Degree Days		Humidity (%)		Precip (Inches)	Prevailing Wind Direction and Speed (mph)			Solar (MJ/m^2)
	Max	Min	Avg	Avg Dew pt	HDD	CDD	Max	Min		Direction	Average	Max	
1	68.7	63.5	66.1	63.9	0	1.1	98	84.3	0.56	S	9.7	24.7	5.8
2	82.8	62.7	72.7	64.2	0	7.7	99.2	44.3	0	WNW	4.2	15.1	24
3	88.6	60.3	74.5	65.1	0	9.5	98.3	44.6	0.16	SSW	4.7	24.6	24.4
4	83.3	67.2	75.3	68.9	0	10.3	95.5	59.3	0.03	S	5.7	14.8	17.6
5	82.4	69.4	75.9	70.1	0	10.9	98.8	64.2	0.26	SW	5.8	21.1	14.3
6	87.4	60.8	74.1	61.4	0	9.1	100	28.8	0	NW	5.6	24	28.7
7	85	56.1	70.5	54	0	5.5	97.1	25.8	0	NW	4.1	20.9	29.4
8	82.9	59.4	71.1	61.5	0	6.1	97.9	41.7	0	SSW	4.3	23.5	14.2
9	71.3	58.3	64.8	64.3	0.2	0	99.7	79.9	0.39	N	4	20.2	7.6
10	77.4	56	66.7	57.2	0	1.7	100	47.6	0	NNE	5.6	20.2	27.1
11	77.1	50.7	63.9	49.5	1.1	0	99.1	26	0	NE	3.2	20.2	30.7
12	81.9	50	66	51.8	0	1	97.6	27.7	0	E	1.8	11.9	27.6
13	86.2	55.1	70.7	58.8	0	5.7	98.4	34.2	0	WSW	3.1	12.4	29.6
14	90.3	62.3	76.3	67.4	0	11.3	96	47.9	0	WNW	5.1	17.6	26.6
15	90.7	67.8	79.2	65.4	0	14.2	87.6	40.4	0	E	4.8	12.5	27
16	93.6	67.4	80.5	69.2	0	15.5	90.3	45	0	SSW	4.9	19	25.9
17	87.2	70.3	78.7	70.4	0	13.7	96.6	54.2	0.15	SSW	6.2	24.1	19.7
Monthly Average	83	61	72	62			97	47		SW	4.9	19.2	
Monthly Total					1.3	123.2			1.6				381

University of Kentucky

Preemergence herbicide evaluations - Valent

Trial ID:24-10_COR-REC

Protocol ID:24-10_COR-REC

Location:UKREC

Trial Year:2024

Herbicide Trait Package: RR/LL Corn**Planting Date:** May 2, 2024**A- PRE:** May 2, 2024**B- POST:** June 14, 2024

Trt No.	Type	Treatment Name	Form Conc	Form Unit	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate Unit	Appl Code	Rep 1	2	3	4
1	CHK	Untreated									101	204	303	405
2	HERB	MAVERICK HERBICIDE	2.04LBA/GAL		SC	24fl oz/a		24fl oz/a		A	102	205	304	403
	HERB	Roundup PowerMAX 3	4.8LBAE/GAL		SL	30fl oz/a		1.13lb ae/a		B				
	ADJ	AMS - Liquid	3.4lba/gal		SL	2.5% v/v		8.5lba/100gal		B				
3	HERB	MAVERICK HERBICIDE	2.04LBA/GAL		SC	24fl oz/a		24fl oz/a		A	103	202	301	402
	HERB	AATREX	4LBA/GAL		SC	0.75qt/a		0.75lb ai/a		A				
	HERB	Roundup PowerMAX 3	4.8LBAE/GAL		SL	30fl oz/a		1.13lb ae/a		B				
	ADJ	AMS - Liquid	3.4lba/gal		SL	2.5% v/v		8.5lba/100gal		B				
4	HERB	MAVERICK HERBICIDE	2.04LBA/GAL		SC	1qt/a		1qt/a		A	104	201	305	404
	HERB	Roundup PowerMAX 3	4.8LBAE/GAL		SL	30fl oz/a		1.13lb ai/a		B				
	ADJ	AMS - Liquid	3.4lba/gal		SL	2.5% v/v		8.5lba/100gal		B				
5	HERB	MAVERICK HERBICIDE	2.04LBA/GAL		SC	1qt/a		1qt/a		A	105	203	302	401
	HERB	AATREX	4LBA/GAL		SC	0.75qt/a		0.75lb ai/a		A				
	HERB	Roundup PowerMAX 3	4.8LBAE/GAL		SL	30fl oz/a		1.13lb ae/a		B				
	ADJ	AMS - Liquid	3.4lba/gal		SL	2.5% v/v		8.5lba/100gal		B				

University of Kentucky

Cereal Rye Cover Crop: Impact of Planting Soybean Early and Green on Weed Management and Crop Yield

Trial ID: 24-11_SOY-REC

Herbicide Trait Package: Enlist E3 Soybean**Planting Date:** April 8, 2024

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate Rate	Rate Unit	Appl Code	Appl Description	Rep 1	2	3	4
1	Roundup PowerMAX 3	4.8LBAE/GAL		SL	30fl oz/a		A	At planting	105	212	306	414
	Liberty	2.34LB/GAL		SL	32fl oz/a		A	At planting				
	AMS - Liquid	3.4lba/gal		SL	1.275lb ai/a		A	At planting				
	Enlist One	3.8LBAE/GAL		SL	32fl oz/a		H	4 " pigweed				
	Liberty	2.34LB/GAL		SL	32fl oz/a		H	4 " pigweed				
	Warrant	3LB/GAL		CS	48fl oz/a		H	4 " pigweed				
	AMS - Liquid	3.4lba/gal		SL	1.275lb ai/a		H	4 " pigweed				
2	Roundup PowerMAX 3	4.8LBAE/GAL		SL	30fl oz/a		A	At planting	103	205	311	410
	Liberty	2.34LB/GAL		SL	32fl oz/a		A	At planting				
	AMS - Liquid	3.4lba/gal		SL	1.275lb ai/a		A	At planting				
	Zidua SC	4.17LB/GAL		SC	5fl oz/a		A	At planting				
	Enlist One	3.8LBAE/GAL		SL	32fl oz/a		H	4 " pigweed				
	Liberty	2.34LB/GAL		SL	32fl oz/a		H	4 " pigweed				
	Warrant	3LB/GAL		CS	48fl oz/a		H	4 " pigweed				
AMS - Liquid	3.4lba/gal		SL	1.275lb ai/a		H	4 " pigweed					
3	Roundup PowerMAX 3	4.8LBAE/GAL		SL	30fl oz/a		B	At soy germination	114	206	309	403
	Liberty	2.34LB/GAL		SL	32fl oz/a		B	At soy germination				
	AMS - Liquid	3.4lba/gal		SL	1.275lb ai/a		B	At soy germination				
	Enlist One	3.8LBAE/GAL		SL	32fl oz/a		H	4 " pigweed				
	Liberty	2.34LB/GAL		SL	32fl oz/a		H	4 " pigweed				
	Warrant	3LB/GAL		CS	48fl oz/a		H	4 " pigweed				
	AMS - Liquid	3.4lba/gal		SL	1.275lb ai/a		H	4 " pigweed				
4	Roundup PowerMAX 3	4.8LBAE/GAL		SL	30fl oz/a		B	At soy germination	109	213	304	402
	Liberty	2.34LB/GAL		SL	32fl oz/a		B	At soy germination				
	AMS - Liquid	3.4lba/gal		SL	1.275lb ai/a		B	At soy germination				
	Zidua SC	4.17LB/GAL		SC	5fl oz/a		B	At soy germination				
	Enlist One	3.8LBAE/GAL		SL	32fl oz/a		H	4 " pigweed				
	Liberty	2.34LB/GAL		SL	32fl oz/a		H	4 " pigweed				
	Warrant	3LB/GAL		CS	48fl oz/a		H	4 " pigweed				
AMS - Liquid	3.4lba/gal		SL	1.275lb ai/a		H	4 " pigweed					
5	Roundup PowerMAX 3	4.8LBAE/GAL		SL	30fl oz/a		C	At Soy VE	102	211	308	406
	Liberty	2.34LB/GAL		SL	32fl oz/a		C	At Soy VE				
	AMS - Liquid	3.4lba/gal		SL	1.275lb ai/a		C	At Soy VE				
	Enlist One	3.8LBAE/GAL		SL	32fl oz/a		H	4 " pigweed				
	Liberty	2.34LB/GAL		SL	32fl oz/a		H	4 " pigweed				
	Warrant	3LB/GAL		CS	48fl oz/a		H	4 " pigweed				
	AMS - Liquid	3.4lba/gal		SL	1.275lb ai/a		H	4 " pigweed				
6	Roundup PowerMAX 3	4.8LBAE/GAL		SL	30fl oz/a		C	At Soy VE	110	208	313	401
	Liberty	2.34LB/GAL		SL	32fl oz/a		C	At Soy VE				
	AMS - Liquid	3.4lba/gal		SL	1.275lb ai/a		C	At Soy VE				
	Zidua SC	4.17LB/GAL		SC	5fl oz/a		C	At Soy VE				
	Enlist One	3.8LBAE/GAL		SL	32fl oz/a		H	4 " pigweed				
	Liberty	2.34LB/GAL		SL	32fl oz/a		H	4 " pigweed				
	Warrant	3LB/GAL		CS	48fl oz/a		H	4 " pigweed				
AMS - Liquid	3.4lba/gal		SL	1.275lb ai/a		H	4 " pigweed					
7	Roundup PowerMAX 3	4.8LBAE/GAL		SL	30fl oz/a		D	At Soy VC	104	214	303	409
	Liberty	2.34LB/GAL		SL	32fl oz/a		D	At Soy VC				
	AMS - Liquid	3.4lba/gal		SL	1.275lb ai/a		D	At Soy VC				
	Enlist One	3.8LBAE/GAL		SL	32fl oz/a		H	4 " pigweed				
	Liberty	2.34LB/GAL		SL	32fl oz/a		H	4 " pigweed				
	Warrant	3LB/GAL		CS	48fl oz/a		H	4 " pigweed				
	AMS - Liquid	3.4lba/gal		SL	1.275lb ai/a		H	4 " pigweed				

University of Kentucky

Cereal Rye Cover Crop: Impact of Planting Soybean Early and Green on Weed Management and Crop Yield

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate Rate	Rate Unit	Appl Code	Appl Description	Rep 1	2		
8	Roundup PowerMAX 3	4.8LBAE/GAL		SL	30fl oz/a		D	At Soy VC	107	209	301	412
	Liberty	2.34LB/GAL		SL	32fl oz/a		D	At Soy VC				
	AMS - Liquid	3.4lba/gal		SL	1.275lb ai/a		D	At Soy VC				
	Zidua SC	4.17LB/GAL		SC	5fl oz/a		D	At Soy VC				
	Enlist One	3.8LBAE/GAL		SL	32fl oz/a		H	4 " pigweed				
	Liberty	2.34LB/GAL		SL	32fl oz/a		H	4 " pigweed				
	Warrant	3LB/GAL		CS	48fl oz/a		H	4 " pigweed				
	AMS - Liquid	3.4lba/gal		SL	1.275lb ai/a		H	4 " pigweed				
9	Roundup PowerMAX 3	4.8LBAE/GAL		SL	30fl oz/a		E	At Soy V1	101	204	314	407
	Liberty	2.34LB/GAL		SL	32fl oz/a		E	At Soy V1				
	AMS - Liquid	3.4lba/gal		SL	1.275lb ai/a		E	At Soy V1				
	Enlist One	3.8LBAE/GAL		SL	32fl oz/a		H	4 " pigweed				
	Liberty	2.34LB/GAL		SL	32fl oz/a		H	4 " pigweed				
	Warrant	3LB/GAL		CS	48fl oz/a		H	4 " pigweed				
	AMS - Liquid	3.4lba/gal		SL	1.275lb ai/a		H	4 " pigweed				
	10	Roundup PowerMAX 3	4.8LBAE/GAL		SL	30fl oz/a		E				
Liberty		2.34LB/GAL		SL	32fl oz/a		E	At Soy V1				
AMS - Liquid		3.4lba/gal		SL	1.275lb ai/a		E	At Soy V1				
Zidua SC		4.17LB/GAL		SC	5fl oz/a		E	At Soy V1				
Enlist One		3.8LBAE/GAL		SL	32fl oz/a		H	4 " pigweed				
Liberty		2.34LB/GAL		SL	32fl oz/a		H	4 " pigweed				
Warrant		3LB/GAL		CS	48fl oz/a		H	4 " pigweed				
AMS - Liquid		3.4lba/gal		SL	1.275lb ai/a		H	4 " pigweed				
11	Roundup PowerMAX 3	4.8LBAE/GAL		SL	30fl oz/a		F	At Soy V2	112	202	307	411
	Liberty	2.34LB/GAL		SL	32fl oz/a		F	At Soy V2				
	AMS - Liquid	3.4lba/gal		SL	1.275lb ai/a		F	At Soy V2				
	Enlist One	3.8LBAE/GAL		SL	32fl oz/a		H	4 " pigweed				
	Liberty	2.34LB/GAL		SL	32fl oz/a		H	4 " pigweed				
	Warrant	3LB/GAL		CS	48fl oz/a		H	4 " pigweed				
	AMS - Liquid	3.4lba/gal		SL	1.275lb ai/a		H	4 " pigweed				
	12	Roundup PowerMAX 3	4.8LBAE/GAL		SL	30fl oz/a		F				
Liberty		2.34LB/GAL		SL	32fl oz/a		F	At Soy V2				
AMS - Liquid		3.4lba/gal		SL	1.275lb ai/a		F	At Soy V2				
Zidua SC		4.17LB/GAL		SC	5fl oz/a		F	At Soy V2				
Enlist One		3.8LBAE/GAL		SL	32fl oz/a		H	4 " pigweed				
Liberty		2.34LB/GAL		SL	32fl oz/a		H	4 " pigweed				
Warrant		3LB/GAL		CS	48fl oz/a		H	4 " pigweed				
AMS - Liquid		3.4lba/gal		SL	1.275lb ai/a		H	4 " pigweed				
13	Roundup PowerMAX 3	4.8LBAE/GAL		SL	30fl oz/a		G	At Soy V3	111	207	302	413
	Liberty	2.34LB/GAL		SL	32fl oz/a		G	At Soy V3				
	AMS - Liquid	3.4lba/gal		SL	1.275lb ai/a		G	At Soy V3				
	Enlist One	3.8LBAE/GAL		SL	32fl oz/a		H	4 " pigweed				
	Liberty	2.34LB/GAL		SL	32fl oz/a		H	4 " pigweed				
	Warrant	3LB/GAL		CS	48fl oz/a		H	4 " pigweed				
	AMS - Liquid	3.4lba/gal		SL	1.275lb ai/a		H	4 " pigweed				
	14	Roundup PowerMAX 3	4.8LBAE/GAL		SL	30fl oz/a		G				
Liberty		2.34LB/GAL		SL	32fl oz/a		G	At Soy V3				
AMS - Liquid		3.4lba/gal		SL	1.275lb ai/a		G	At Soy V3				
Zidua SC		4.17LB/GAL		SC	5fl oz/a		G	At Soy V3				
Enlist One		3.8LBAE/GAL		SL	32fl oz/a		H	4 " pigweed				
Liberty		2.34LB/GAL		SL	32fl oz/a		H	4 " pigweed				
Warrant		3LB/GAL		CS	48fl oz/a		H	4 " pigweed				
AMS - Liquid		3.4lba/gal		SL	1.275lb ai/a		H	4 " pigweed				

University of Kentucky

2024 USB Metribuzin Tank Mix Partners - University of Kentucky

Trial ID:24-12_SOY-REC
Protocol ID:USB - Metri Tank Mix

Location:UKREC 505-D1

Trial Year:2024

Herbicide Trait Package: Enlist E3 Soybean

Planting Date: May 21, 2024

A- PRE: May 21, 2024

Trt No.	Type	Treatment Name	Form Conc	Form Unit	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate Unit	Appl Code	Rep 1	2	3	4
1	CHK	Untreated									101	202	311	410
2	HERB	Metribuzin	75%		D	8oz/a		0.375lbai/a		A	102	206	313	412
3	HERB	Metribuzin	75%		D	14oz/a		0.656lbai/a		A	103	212	315	417
4	HERB	Zidua	4.17LBA/GAL		SC	3.5fl oz/a		0.114lbai/a		A	104	211	304	405
5	HERB	Zidua	4.17LBA/GAL		SC	3.5fl oz/a		0.114lbai/a		A	105	203	310	415
	HERB	Metribuzin	75%		D	8oz/a		0.375lbai/a		A				
6	HERB	Zidua	4.17LBA/GAL		SC	3.5fl oz/a		0.114lbai/a		A	106	207	317	401
	HERB	Metribuzin	75%		D	14oz/a		0.656lbai/a		A				
7	HERB	Valor EZ	4lba/gal		L	2.5fl oz/a		0.078lbai/a		A	107	217	308	416
8	HERB	Valor EZ	4lba/gal		L	2.5fl oz/a		0.078lbai/a		A	108	201	302	414
	HERB	Metribuzin	75%		D	8oz/a		0.375lbai/a		A				
9	HERB	Valor EZ	4lba/gal		L	2.5fl oz/a		0.078lbai/a		A	109	204	318	407
	HERB	Metribuzin	75%		D	14oz/a		0.656lbai/a		A				
10	HERB	Surveil	48%		WG	3.5oz/a		0.105lbai/a		A	110	209	306	408
11	HERB	Surveil	48%		WG	3.5oz/a		0.105lbai/a		A	111	218	305	404
	HERB	Metribuzin	75%		D	8oz/a		0.375lbai/a		A				
12	HERB	Surveil	48%		WG	3.5oz/a		0.105lbai/a		A	112	216	303	418
	HERB	Metribuzin	75%		D	14oz/a		0.656lbai/a		A				
13	HERB	Zidua	4.17LBA/GAL		SC	3.5fl oz/a		0.114lbai/a		A	113	208	316	413
	HERB	Valor EZ	4lba/gal		L	2.5fl oz/a		0.078lbai/a		A				
14	HERB	Zidua	4.17LBA/GAL		SC	3.5fl oz/a		0.114lbai/a		A	114	210	314	402
	HERB	Valor EZ	4lba/gal		L	2.5fl oz/a		0.078lbai/a		A				
	HERB	Metribuzin	75%		D	8oz/a		0.375lbai/a		A				
15	HERB	Zidua	4.17LBA/GAL		SC	3.5fl oz/a		0.114lbai/a		A	115	213	312	411
	HERB	Valor EZ	4lba/gal		L	2.5fl oz/a		0.078lbai/a		A				
	HERB	Metribuzin	75%		D	14oz/a		0.656lbai/a		A				
16	HERB	Zidua	4.17LBA/GAL		SC	3.5fl oz/a		0.114lbai/a		A	116	205	301	403
	HERB	Surveil	48%		WG	3.5oz/a		0.105lbai/a		A				
17	HERB	Zidua	4.17LBA/GAL		SC	3.5fl oz/a		0.114lbai/a		A	117	214	309	406
	HERB	Surveil	48%		WG	3.5oz/a		0.105lbai/a		A				
	HERB	Metribuzin	75%		D	8oz/a		0.375lbai/a		A				
18	HERB	Zidua	4.17LBA/GAL		SC	3.5fl oz/a		0.114lbai/a		A	118	215	307	409
	HERB	Surveil	48%		WG	3.5oz/a		0.105lbai/a		A				
	HERB	Metribuzin	75%		D	14oz/a		0.656lbai/a		A				

University of Kentucky

2024 USB Metribuzin Early Planted Soybean Trial - KY

Trial ID:24-13_SOY-REC
Protocol ID:24USBMETEARLYPL

Location:UKREC - 505 D2

Trial Year:2024

Herbicide Trait Package: Roundup Ready 2 XtendFlex Soybean

Early Planting Date (Trt 1 to 8): April 8, 2024

Normal Planting Date (Trt 9 to 16): May 21, 2024

A- Early Planting PRE: April 8, 2024

B- Late Planting PRE: May 21, 2024

Trt No.	Type	Treatment Name	Form Conc	Form Unit	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Appl Code	Rep 1	2	3	4
1	CULT	Early Plant									101	203	303	404
	HERB	Fierce EZ	3.04	LBA/GAL	SC	0.143	lb ai/a	6oz/a		A				
2	CULT	Early Plant									102	205	308	403
	HERB	Fierce EZ	3.04	LBA/GAL	SC	0.143	lb ai/a	6oz/a		A				
	HERB	Metribuzin	75%	AW/W	DF	0.188	lb ai/a	4oz/a		A				
3	CULT	Early Plant									103	208	306	406
	HERB	Fierce EZ	3.04	LBA/GAL	SC	0.143	lb ai/a	6oz/a		A				
	HERB	Metribuzin	75%	AW/W	DF	0.375	lb ai/a	8oz/a		A				
4	CULT	Early Plant									104	201	305	407
	HERB	Fierce EZ	3.04	LBA/GAL	SC	0.143	lb ai/a	6oz/a		A				
	HERB	Metribuzin	75%	AW/W	DF	0.56	lb ai/a	12oz/a		A				
5	CULT	Early Plant									105	206	307	401
	HERB	Fierce EZ	3.04	LBA/GAL	SC	0.143	lb ai/a	6oz/a		A				
	HERB	Metribuzin	75%	AW/W	DF	0.75	lb ai/a	16oz/a		A				
6	CULT	Early Plant									106	202	301	405
	HERB	Spartan	4	LBA/GAL	F	0.313	lb ai/a	10oz/a		A				
7	CULT	Early Plant									107	207	302	402
	HERB	Preview 2:1	3.35	LBA/GAL	SC	0.6	lb ai/a	23oz/a		A				
8	CULT	Early Plant									108	204	304	408
	CHK	utc												
9	CULT	Normal Plant									109	216	313	411
	HERB	Fierce EZ	3.04	LBA/GAL	SC	0.143	lb ai/a	6oz/a		B				
10	CULT	Normal Plant									110	212	314	409
	HERB	Fierce EZ	3.04	LBA/GAL	SC	0.143	lb ai/a	6oz/a		B				
	HERB	Metribuzin	75%	AW/W	DF	0.188	lb ai/a	4oz/a		B				
11	CULT	Normal Plant									111	214	316	412
	HERB	Fierce EZ	3.04	LBA/GAL	SC	0.143	lb ai/a	6oz/a		B				
	HERB	Metribuzin	75%	AW/W	DF	0.375	lb ai/a	8oz/a		B				
12	CULT	Normal Plant									112	209	310	414
	HERB	Fierce EZ	3.04	LBA/GAL	SC	0.143	lb ai/a	6oz/a		B				
	HERB	Metribuzin	75%	AW/W	DF	0.56	lb ai/a	12oz/a		B				
13	CULT	Normal Plant									113	210	315	410
	HERB	Fierce EZ	3.04	LBA/GAL	SC	0.143	lb ai/a	6oz/a		B				
	HERB	Metribuzin	75%	AW/W	DF	0.75	lb ai/a	16oz/a		B				
14	CULT	Normal Plant									114	215	311	416
	HERB	Spartan	4	LBA/GAL	F	0.313	lb ai/a	10oz/a		B				
15	CULT	Normal Plant									115	211	309	413
	HERB	Preview 2:1	3.35	LBA/GAL	SC	0.6	lb ai/a	23oz/a		B				
16	CULT	Normal Plant									116	213	312	415
	CHK	utc												

University of Kentucky

Zalo Herbicide Evaluations in Soybean

Trial ID:24-14_SOY-REC
Protocol ID:24-14_SOY-REC

Location:

Trial Year:2024

Herbicide Trait Package: Enlist E3 Soybean**Planting Date:** May 21, 2024**A – 2-4” Weeds:** June 11, 2024**B – 20 DAA:** TBD

Trt No.	Treatment Type	Treatment Name	Form Conc	Form Unit	Form Type	Rate Rate	Unit	Other Rate	Other Rate	Unit	Appl Code	Appl Description	Rep 1	2	3	4
1	CHK	Untreated											101	203	302	401
2	HERB	Zalo	2.52LB/GAL		SL	32fl oz/a		0.63lbai/a			A	2 to 4" Weeds	102	201	303	402
	ADJ	COC	100%		SL	1% v/v					A	2 to 4" Weeds				
	ADJ	AMS - Liquid	3.4lba/gal		SL	5.9% v/v		3lbai/a			A	2 to 4" Weeds				
	HERB	Zalo	2.52LB/GAL		SL	32fl oz/a		0.63lbai/a			B	20 Days after "A"				
	ADJ	COC	100%		SL	1% v/v					B	20 Days after "A"				
	ADJ	AMS - Liquid	3.4lba/gal		SL	5.9% v/v		3lbai/a			B	20 Days after "A"				
3	HERB	Zalo	2.52LB/GAL		SL	32fl oz/a		0.63lbai/a			A	2 to 4" Weeds	103	202	301	403
	HERB	Dual II Magnum	7.64lba/gal		EC	1.33pt/a		1.27lbai/a			A	2 to 4" Weeds				
	ADJ	COC	100%		SL	1% v/v					A	2 to 4" Weeds				
	ADJ	AMS - Liquid	3.4lba/gal		SL	5.9% v/v		3lbai/a			A	2 to 4" Weeds				

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Weed Control Evaluations in Short Corn

Trial ID:24-16_COR-REC

Protocol ID:

Location:

Trial Year:2024

Planting Date: May 2, 2024**A – Pre:** May 2, 2024**B – V1 to V2 Corn:** May 20, 2024**C – V3 to V4 Corn:** May 28, 2024

Trt No.	Type	Treatment Name	Form Conc	Form Unit	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate Unit	Appl Code	Rep 1	2	3	4	
1	VAR	PR111-20SSC									101	202	301	401	
	CULT	32,000 Seeds/Acre													
	HERB	Trivolt	3.65lba/gal		SC	20fl oz/a		0.57lba/a		A					
	HERB	Atrazine	4LBA/GAL		F	1qt/a		1lba/a		A					
2	VAR	PR111-20SSC									102	203	302	403	
	CULT	32,000 Seeds/Acre													
	HERB	Capreno	3.45LBA/GAL		SC	3fl oz/a		0.081lba/a		B					
	HERB	Atrazine	4LBA/GAL		F	1qt/a		1lba/a		B					
	HERB	Roundup PowerMAX 3	4.8LBAE/GAL		SL	30fl oz/a		1.13lbae/a		B					
	ADJ	COC	100%		SL	1% v/v		1gal/100gal		B					
3	ADJ	AMS - Liquid	3.4lba/gal		SL	2.5% v/v		8.5lba/100gal		B					
	VAR	PR111-20SSC									103	201	303	402	
	CULT	32,000 Seeds/Acre													
	HERB	Trivolt	3.65lba/gal		SC	12fl oz/a		0.342lba/a		A					
	HERB	Atrazine	4LBA/GAL		F	0.5qt/a		0.5lba/a		A					
	HERB	Roundup PowerMAX 3	4.8LBAE/GAL		SL	30fl oz/a		1.13lbae/a		C					
	HERB	Laudis	3.5lba/gal		SC	3fl oz/a		0.082lba/a		C					
	HERB	Atrazine	4LBA/GAL		F	0.5qt/a		0.5lba/a		C					
4	ADJ	COC	100%		SL	1% v/v		1gal/100gal		C					
	HERB	AMS - Liquid	3.4lba/gal		SL	2.5% v/v		8.5lba/100gal		C					
	VAR	PR111-20SSC									104	205	305	406	
	CHK	40,000 Seeds/Acre													
	HERB	Trivolt	3.65lba/gal		SC	20fl oz/a		0.57lba/a		A					
	HERB	Atrazine	4LBA/GAL		F	1qt/a		1lba/a		A					
	5	VAR	PR111-20SSC									105	206	304	404
		CHK	40,000 Seeds/Acre												
HERB		Capreno	3.45LBA/GAL		SC	3fl oz/a		0.081lba/a		B					
HERB		Atrazine	4LBA/GAL		F	1qt/a		1lba/a		B					
HERB		Roundup PowerMAX 3	4.8LBAE/GAL		SL	30fl oz/a		1.13lbae/a		B					
ADJ		COC	100%		SL	1% v/v		1gal/100gal		B					
6	ADJ	AMS - Liquid	3.4lba/gal		SL	2.5% v/v		8.5lba/100gal		B					
	VAR	PR111-20SSC									106	204	306	405	
	CHK	40,000 Seeds/Acre													
	HERB	Trivolt	3.65lba/gal		SC	12fl oz/a		0.342lba/a		A					
	HERB	Atrazine	4LBA/GAL		F	0.5qt/a		0.5lba/a		A					
	HERB	Roundup PowerMAX 3	4.8LBAE/GAL		SL	30fl oz/a		1.13lbae/a		C					
	HERB	Laudis	3.5lba/gal		SC	3fl oz/a		0.082lba/a		C					
	HERB	Atrazine	4LBA/GAL		F	0.5qt/a		0.5lba/a		C					
7	ADJ	COC	100%		SL	1% v/v		1gal/100gal		C					
	HERB	AMS - Liquid	3.4lba/gal		SL	2.5% v/v		8.5lba/100gal		C					
	VAR	PR112-20SSC									107	208	307	408	
	CULT	32,000 Seeds/Acre													
	HERB	Trivolt	3.65lba/gal		SC	20fl oz/a		0.57lba/a		A					
	HERB	Atrazine	4LBA/GAL		F	1qt/a		1lba/a		A					
	8	VAR	PR112-20SSC									108	207	309	407
		CULT	32,000 Seeds/Acre												
HERB		Capreno	3.45LBA/GAL		SC	3fl oz/a		0.081lba/a		B					
HERB		Atrazine	4LBA/GAL		F	1qt/a		1lba/a		B					
HERB		Roundup PowerMAX 3	4.8LBAE/GAL		SL	30fl oz/a		1.13lbae/a		B					
ADJ		COC	100%		SL	1% v/v		1gal/100gal		B					
ADJ	AMS - Liquid	3.4lba/gal		SL	2.5% v/v		8.5lba/100gal		B						

University of Kentucky

Weed Control Evaluations in Short Corn														
Trt No.	Treatment Type	Treatment Name	Form Conc	Form Unit	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate Unit	Appl Code	Rep 1	2	3	4
9	VAR	PR112-20SSC									109	209	308	409
	CULT	32,000 Seeds/Acre												
	HERB	Trivolt	3.65lba/gal		SC	12fl oz/a		0.342lba/a		A				
	HERB	Atrazine	4LBA/GAL		F	0.5qt/a		0.5lba/a		A				
	HERB	Roundup PowerMAX 3	4.8LBAE/GAL		SL	30fl oz/a		1.13lbae/a		C				
	HERB	Laudis	3.5lba/gal		SC	3fl oz/a		0.082lba/a		C				
	HERB	Atrazine	4LBA/GAL		F	0.5qt/a		0.5lba/a		C				
	ADJ	COC	100%		SL	1% v/v		1gal/100gal		C				
	HERB	AMS - Liquid	3.4lba/gal		SL	2.5% v/v		8.5lba/100gal		C				
10	VAR	PR112-20SSC									110	211	312	411
	CHK	40,000 Seeds/Acre												
	HERB	Trivolt	3.65lba/gal		SC	20fl oz/a		0.57lba/a		A				
	HERB	Atrazine	4LBA/GAL		F	1qt/a		1lba/a		A				
11	VAR	PR112-20SSC									111	210	310	412
	CHK	40,000 Seeds/Acre												
	HERB	Capreno	3.45LBA/GAL		SC	3fl oz/a		0.081lba/a		B				
	HERB	Atrazine	4LBA/GAL		F	1qt/a		1lba/a		B				
	HERB	Roundup PowerMAX 3	4.8LBAE/GAL		SL	30fl oz/a		1.13lbae/a		B				
	ADJ	COC	100%		SL	1% v/v		1gal/100gal		B				
	ADJ	AMS - Liquid	3.4lba/gal		SL	2.5% v/v		8.5lba/100gal		B				
12	VAR	PR112-20SSC									112	212	311	410
	CHK	40,000 Seeds/Acre												
	HERB	Trivolt	3.65lba/gal		SC	12fl oz/a		0.342lba/a		A				
	HERB	Atrazine	4LBA/GAL		F	0.5qt/a		0.5lba/a		A				
	HERB	Roundup PowerMAX 3	4.8LBAE/GAL		SL	30fl oz/a		1.13lbae/a		C				
	HERB	Laudis	3.5lba/gal		SC	3fl oz/a		0.082lba/a		C				
	HERB	Atrazine	4LBA/GAL		F	0.5qt/a		0.5lba/a		C				
	ADJ	COC	100%		SL	1% v/v		1gal/100gal		C				
	HERB	AMS - Liquid	3.4lba/gal		SL	2.5% v/v		8.5lba/100gal		C				
13	CHK	Short Corn Buffer									113	213	313	413
14	CHK	Tall Corn Buffer									114	214	314	414
15	VAR	DKC 64-22 RIB									115	217	315	417
	CULT	32,000 Seeds/Acre												
	HERB	Trivolt	3.65lba/gal		SC	20fl oz/a		0.57lba/a		A				
	HERB	Atrazine	4LBA/GAL		F	1qt/a		1lba/a		A				
16	VAR	DKC 64-22 RIB									116	216	317	416
	CULT	32,000 Seeds/Acre												
	HERB	Capreno	3.45LBA/GAL		SC	3fl oz/a		0.081lba/a		B				
	HERB	Atrazine	4LBA/GAL		F	1qt/a		1lba/a		B				
	HERB	Roundup PowerMAX 3	4.8LBAE/GAL		SL	30fl oz/a		1.13lbae/a		B				
	ADJ	COC	100%		SL	1% v/v		1gal/100gal		B				
	ADJ	AMS - Liquid	3.4lba/gal		SL	2.5% v/v		8.5lba/100gal		B				
17	VAR	DKC 64-22 RIB									117	215	316	415
	CULT	32,000 Seeds/Acre												
	HERB	Trivolt	3.65lba/gal		SC	12fl oz/a		0.342lba/a		A				
	HERB	Atrazine	4LBA/GAL		F	0.5qt/a		0.5lba/a		A				
	HERB	Roundup PowerMAX 3	4.8LBAE/GAL		SL	30fl oz/a		1.13lbae/a		C				
	HERB	Laudis	3.5lba/gal		SC	3fl oz/a		0.082lba/a		C				
	HERB	Atrazine	4LBA/GAL		F	0.5qt/a		0.5lba/a		C				
	ADJ	COC	100%		SL	1% v/v		1gal/100gal		C				
	HERB	AMS - Liquid	3.4lba/gal		SL	2.5% v/v		8.5lba/100gal		C				

University of Kentucky

Evaluations of the Enlist E3 and Roundup Ready 2 XtendFlex Soybean Systems Using Traditional Herbicide Combinations - Amaranthus

Trial ID:24-17_SOY-REC

Planting Date: April 16, 2024

Blanket Application of 40 fl oz Roundup PowerMax3 + 1 fl oz Sharpen + 8 oz Canopy: April 15, 2024

A – Early Post: May 16, 2024

B – Late Post: Trt 6, 7, 12, & 13 - June 6, 2024; Trt 2,3,4,5,9,10, & 11 – June 11, 2024

Trt No.	Type	Treatment Name	Form Conc	Form Unit	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate Unit	Appl Code	Rep 1	2	3	4
1	CHK VAR	Untreated Enlist E3 Soybean								C	101	205	302	401
2	HERB	Enlist One	3.8lbae/gal		SL	2pt/a		0.95lbae/a		A	102	206	304	404
	HERB	Roundup PowerMAX 3	4.8LBAE/GAL		SL	30fl oz/a		1.13lbae/a		A				
	HERB	Dual II Magnum	7.62lba/gal		EC	1.33pt/a		1.27lba/a		A				
	ADJ	AMS - Liquid	3.4lba/gal		SL	2.5% v/v		8.5lba/100gal		A				
	HERB	Liberty	2.34lba/gal		L	32fl oz/a		0.585lba ai/a		B				
	HERB	Roundup PowerMAX 3	4.8LBAE/GAL		SL	30fl oz/a		1.13lbae/a		B				
	ADJ	AMS - Liquid	3.4lba/gal		SL	8.5lba ai/100 gal		2.5%v/v		B				
	VAR	Enlist E3 Soybean								C				
3	HERB	Enlist One	3.8lbae/gal		SL	2pt/a		0.95lbae/a		A	103	202	305	402
	HERB	Liberty	2.34lba/gal		L	32fl oz/a		0.585lbae/a		A				
	HERB	Dual II Magnum	7.62lba/gal		EC	1.33pt/a		1.27lba/a		A				
	ADJ	AMS - Liquid	3.4lba/gal		SL	2.5% v/v		8.5lba/100gal		A				
	HERB	Liberty	2.34lba/gal		L	29fl oz/a		0.53lba ai/a		B				
	HERB	Roundup PowerMAX 3	4.8LBAE/GAL		SL	30fl oz/a		1.13lbae/a		B				
	ADJ	AMS - Liquid	3.4lba/gal		SL	8.5lba ai/100 gal		2.5%v/v		B				
	VAR	Enlist E3 Soybean								C				
4	HERB	Enlist One	3.8lbae/gal		SL	2pt/a		0.95lbae/a		A	104	201	306	407
	HERB	Select Max	0.97lba/gal		SL	12fl oz/a		0.091lbae/a		A				
	HERB	Dual II Magnum	7.62lba/gal		EC	1.33pt/a		1.27lba/a		A				
	ADJ	AMS - Liquid	3.4lba/gal		SL	2.5% v/v		8.5lba/100gal		A				
	ADJ	NIS	100%		SL	0.25% v/v				A				
	HERB	Liberty	2.34lba/gal		L	32fl oz/a		0.585lba ai/a		B				
	ADJ	AMS - Liquid	3.4lba/gal		SL	8.5lba ai/100 gal		2.5%v/v		B				
	VAR	Enlist E3 Soybean								C				
5	HERB	Liberty	2.34lba/gal		L	32fl oz/a		0.585lba/a		A	105	204	303	406
	HERB	Select Max	0.97lba/gal		SL	12fl oz/a		0.091lbae/a		A				
	HERB	Dual II Magnum	7.62lba/gal		EC	1.33pt/a		1.27lba/a		A				
	ADJ	AMS - Liquid	3.4lba/gal		SL	8.5lba ai/100 gal		2.5%v/v		A				
	ADJ	NIS	100%		SL	0.25% v/v				A				
	HERB	Liberty	2.34lba/gal		L	29fl oz/a		0.53lba ai/a		B				
	ADJ	AMS - Liquid	3.4lba/gal		SL	8.5lba ai/100 gal		2.5%v/v		B				
	VAR	Enlist E3 Soybean								C				
6	HERB	Prefix	5.29LB/GAL		L	2.33pt/a		1.54lba ai/a		A	106	207	301	405
	HERB	Select Max	0.97lba/gal		SL	12fl oz/a		0.091lbae/a		A				
	ADJ	NIS	100%		SL	0.25% v/v				A				
	ADJ	COC	100%		SL	0.25% v/v				A				
	ADJ	AMS - Liquid	3.4lba/gal		SL	2.5lba ai/a		4.9%v/v		A				
	HERB	Liberty	2.34lba/gal		L	32fl oz/a		0.585lba ai/a		B				
	ADJ	AMS - Liquid	3.4lba/gal		SL	8.5lba ai/100 gal		2.5%v/v		B				
	VAR	Enlist E3 Soybean								C				
7	HERB	Prefix	5.29LB/GAL		L	2.33pt/a		1.54lba ai/a		A	107	203	307	403
	HERB	Select Max	0.97lba/gal		SL	12fl oz/a		0.091lbae/a		A				
	ADJ	NIS	100%		SL	0.25% v/v				A				
	ADJ	COC	100%		SL	0.25% v/v				A				
	ADJ	AMS - Liquid	3.4lba/gal		SL	2.5lba ai/a		4.9%v/v		A				
	HERB	Cobra	2LBA/GAL		EC	12.5fl oz/a		0.195lba/a		B				
	HERB	Assure II	0.88lba/gal		EC	10fl oz/a		0.069lba/a		B				
	ADJ	COC	100%		SL	1.25pt/a		8.3pt/100gal		B				
	ADJ	AMS - Liquid	3.4lba/gal		SL	2.5lba ai/a		4.9%v/v		B				
	VAR	Enlist E3 Soybean								C				

University of Kentucky

Evaluations of the Enlist E3 and Roundup Ready 2 XtendFlex Soybean Systems Using Traditional Herbicide Combinations - Amaranthus

Trt No.	Treatment Type Name	Form Conc	Form Unit	Form Type	Rate Rate Unit	Other Rate	Other Rate Unit	Appl Code	Rep 1	Rep 2	Rep 3	Rep 4
8	CHK VAR RR2 XtendFlex Soybean							C	108	209	310	409
9	HERB XTENDIMAX WITH VAPORGRIP	2.9lbae/gal		SL	22fl oz/a		0.5lb ae/a	A	109	213	311	412
	HERB Roundup PowerMAX 3	4.8LBAE/GAL		SL	30fl oz/a		1.13lbae/a	A				
	HERB Dual II Magnum	7.62lba/gal		EC	1.33pt/a		1.27lba/a	A				
	ADJ Volt Edge	100%		SL	20fl oz/a			A				
	ADJ OnTarget	100%		SL	0.5% v/v			A				
	HERB Liberty	2.34lba/gal		L	32fl oz/a		0.585lb ai/a	B				
	HERB Roundup PowerMAX 3	4.8LBAE/GAL		SL	30fl oz/a		1.13lbae/a	B				
	ADJ AMS - Liquid	3.4lba/gal		SL	8.5lb ai/100 gal		2.5%v/v	B				
	VAR RR2 Xtend Flex Soybean							C				
10	HERB XTENDIMAX WITH VAPORGRIP	2.9lbae/gal		SL	22fl oz/a		0.5lb ae/a	A	110	212	309	413
	HERB Select Max	0.97lba/gal		SL	12fl oz/a		0.091lbae/a	A				
	HERB Dual II Magnum	7.62lba/gal		EC	1.33pt/a		1.27lba/a	A				
	ADJ Volt Edge	100%		SL	20fl oz/a			A				
	ADJ OnTarget	100%		SL	0.5% v/v			A				
	ADJ NIS	100%		SL	0.25% v/v			A				
	HERB Liberty	2.34lba/gal		L	32fl oz/a		0.585lb ai/a	B				
	ADJ AMS - Liquid	3.4lba/gal		SL	8.5lb ai/100 gal		2.5%v/v	B				
	VAR RR2 XtendFlex Soybean							C				
11	HERB Liberty	2.34lba/gal		L	32fl oz/a		0.585lba/a	A	111	208	313	411
	HERB Select Max	0.97lba/gal		SL	12fl oz/a		0.091lbae/a	A				
	HERB Dual II Magnum	7.62lba/gal		EC	1.33pt/a		1.27lba/a	A				
	ADJ AMS - Liquid	3.4lba/gal		SL	8.5lb ai/100 gal		2.5%v/v	A				
	ADJ NIS	100%		SL	0.25% v/v			A				
	HERB Liberty	2.34lba/gal		L	29fl oz/a		0.53lb ai/a	B				
	ADJ AMS - Liquid	3.4lba/gal		SL	8.5lb ai/100 gal		2.5%v/v	B				
	VAR RR2 XtendFlex Soybean							C				
12	HERB Prefix	5.29LB/GAL		L	2.33pt/a		1.54lb ai/a	A	112	211	308	410
	HERB Select Max	0.97lba/gal		SL	12fl oz/a		0.091lbae/a	A				
	ADJ NIS	100%		SL	0.25% v/v			A				
	ADJ COC	100%		SL	0.25% v/v			A				
	ADJ AMS - Liquid	3.4lba/gal		SL	2.5lb ai/a		4.9%v/v	A				
	HERB Liberty	2.34lba/gal		L	32fl oz/a		0.585lb ai/a	B				
	ADJ AMS - Liquid	3.4lba/gal		SL	8.5lb ai/100 gal		2.5%v/v	B				
	VAR RR2 XtendFlex Soybean							C				
13	HERB Prefix	5.29LB/GAL		L	2.33pt/a		1.54lb ai/a	A	113	210	312	408
	HERB Select Max	0.97lba/gal		SL	12fl oz/a		0.091lbae/a	A				
	ADJ NIS	100%		SL	0.25% v/v			A				
	ADJ COC	100%		SL	0.25% v/v			A				
	ADJ AMS - Liquid	3.4lba/gal		SL	2.5lb ai/a		4.9%v/v	A				
	HERB Cobra	2LBA/GAL		EC	12.5fl oz/a		0.195lba/a	B				
	HERB Assure II	0.88lba/gal		EC	10fl oz/a		0.069lba/a	B				
	ADJ COC	100%		SL	1.25pt/a		8.3pt/100gal	B				
	ADJ AMS - Liquid	3.4lba/gal		SL	2.5lb ai/a		4.9%v/v	B				
	VAR RR2 XtendFlex Soybean							C				

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Evaluations of the Enlist E3 and Roundup Ready 2 XtendFlex Soybean Systems Using Traditional Herbicide Combinations - Mixed Species

Trial ID:24-18_SOY-REC

Planting Date: April 16, 2024

Blanket Application of 40 fl oz Roundup PowerMax3 + 1 fl oz Sharpen + 8 oz Canopy: April 15, 2024

A – Early Post: May 16, 2024 B – Late Post: June 11, 2024

Trt No.	Treatment Type	Treatment Name	Form		Form		Rate		Other		Appl Code	Rep			
			Conc	Unit	Type	Rate	Unit	Rate	Rate	Unit		1	2	3	4
1	CHK	Untreated									C	101	204	307	406
	VAR	Enlist E3 Soybean													
2	HERB	Enlist One	3.8lbae/gal	SL	2pt/a			0.95lbae/a		A		102	207	305	404
	HERB	Roundup PowerMAX 3	4.8LBAE/GAL	SL	30fl oz/a			1.13lbae/a		A					
	HERB	Dual II Magnum	7.62lba/gal	EC	1.33pt/a			1.27lbai/a		A					
	ADJ	AMS - Liquid	3.4lba/gal	SL	2.5% v/v			8.5lbai/100gal		A					
	HERB	Liberty	2.34lba/gal	L	32fl oz/a			0.585lb ai/a		B					
	HERB	Roundup PowerMAX 3	4.8LBAE/GAL	SL	30fl oz/a			1.13lbae/a		B					
	ADJ	AMS - Liquid	3.4lba/gal	SL	8.5lb ai/100 gal			2.5%v/v		B					
	VAR	Enlist E3 Soybean								C					
3	HERB	Enlist One	3.8lbae/gal	SL	2pt/a			0.95lbae/a		A		103	206	303	402
	HERB	Liberty	2.34lba/gal	L	32fl oz/a			0.585lbae/a		A					
	HERB	Dual II Magnum	7.62lba/gal	EC	1.33pt/a			1.27lbai/a		A					
	ADJ	AMS - Liquid	3.4lba/gal	SL	2.5% v/v			8.5lbai/100gal		A					
	HERB	Liberty	2.34lba/gal	L	29fl oz/a			0.53lb ai/a		B					
	HERB	Roundup PowerMAX 3	4.8LBAE/GAL	SL	30fl oz/a			1.13lbae/a		B					
	ADJ	AMS - Liquid	3.4lba/gal	SL	8.5lb ai/100 gal			2.5%v/v		B					
	VAR	Enlist E3 Soybean								C					
4	HERB	Enlist One	3.8lbae/gal	SL	2pt/a			0.95lbae/a		A		104	201	304	401
	HERB	Select Max	0.97lba/gal	SL	12fl oz/a			0.091lbae/a		A					
	HERB	Dual II Magnum	7.62lba/gal	EC	1.33pt/a			1.27lbai/a		A					
	ADJ	AMS - Liquid	3.4lba/gal	SL	2.5% v/v			8.5lbai/100gal		A					
	ADJ	NIS	100%	SL	0.25% v/v					A					
	HERB	Liberty	2.34lba/gal	L	32fl oz/a			0.585lb ai/a		B					
	ADJ	AMS - Liquid	3.4lba/gal	SL	8.5lb ai/100 gal			2.5%v/v		B					
	VAR	Enlist E3 Soybean								C					
5	HERB	Liberty	2.34lba/gal	L	32fl oz/a			0.585lbai/a		A		105	202	301	403
	HERB	Select Max	0.97lba/gal	SL	12fl oz/a			0.091lbae/a		A					
	HERB	Dual II Magnum	7.62lba/gal	EC	1.33pt/a			1.27lbai/a		A					
	ADJ	AMS - Liquid	3.4lba/gal	SL	8.5lb ai/100 gal			2.5%v/v		A					
	ADJ	NIS	100%	SL	0.25% v/v					A					
	HERB	Liberty	2.34lba/gal	L	29fl oz/a			0.53lb ai/a		B					
	ADJ	AMS - Liquid	3.4lba/gal	SL	8.5lb ai/100 gal			2.5%v/v		B					
	VAR	Enlist E3 Soybean								C					
6	HERB	Prefix	5.29LB/GAL	L	2.33pt/a			1.54lb ai/a		A		106	205	302	407
	HERB	Pursuit	2LBA/GAL	EC	4fl oz/a			0.0625lb ai/a		A					
	ADJ	NIS	100%	SL	0.25% v/v			1qt/100gal		A					
	ADJ	AMS - Liquid	3.4lba/gal	SL	12lb ai/100 gal			3.53%v/v		A					
	HERB	Liberty	2.34lba/gal	L	32fl oz/a			0.585lb ai/a		B					
	HERB	Select Max	0.97lba/gal	SL	12fl oz/a			0.091lbae/a		B					
	ADJ	AMS - Liquid	3.4lba/gal	SL	8.5lb ai/100 gal			2.5%v/v		B					
	ADJ	NIS	100%	SL	0.25% v/v					B					
	VAR	Enlist E3 Soybean								C					
7	HERB	Prefix	5.29LB/GAL	L	2.33pt/a			1.54lb ai/a		A		107	203	306	405
	HERB	Select Max	0.97lba/gal	SL	12fl oz/a			0.091lbae/a		A					
	HERB	Firstrate	84%	WG	0.3oz/a			0.0158lbai/a		A					
	ADJ	NIS	100%	SL	0.25% v/v					A					
	ADJ	COC	100%	SL	0.25% v/v					A					
	ADJ	AMS - Liquid	3.4lba/gal	SL	2.5lb ai/a			4.9%v/v		A					
	HERB	Cobra	2LBA/GAL	EC	12.5fl oz/a			0.195lbai/a		B					
	HERB	Pursuit	2LBA/GAL	EC	4fl oz/a			0.0625lb ai/a		B					
	ADJ	COC	100%	SL	1.25pt/a			1.04gal/100gal		B					
	ADJ	AMS - Liquid	3.4lba/gal	SL	2lb ai/a			13.3lbai/100gal		B					
	VAR	Enlist E3 Soybean								C					

University of Kentucky

Evaluations of the Enlist E3 and Roundup Ready 2 XtendFlex Soybean Systems Using Traditional Herbicide Combinations - Mixed Species

Trt No.	Treatment Type Name	Form Conc	Form Unit	Form Type	Rate Rate Unit	Other Rate	Other Rate Unit	Appl Code	Rep 1	Rep 2	Rep 3	Rep 4
8	CHK VAR RR2 XtendFlex Soybean							C	108	209	312	411
9	HERB XTENDIMAX WITH VAPORGRIP	2.9lbae/gal		SL	22fl oz/a		0.5lb ae/a	A	109	211	310	412
	HERB Roundup PowerMAX 3	4.8LBAE/GAL		SL	30fl oz/a		1.13lbae/a	A				
	HERB Dual II Magnum	7.62lba/gal		EC	1.33pt/a		1.27lbai/a	A				
	ADJ Volt Edge	100%		SL	20fl oz/a			A				
	ADJ OnTarget	100%		SL	0.5% v/v			A				
	HERB Liberty	2.34lba/gal		L	32fl oz/a		0.585lb ai/a	B				
	HERB Roundup PowerMAX 3	4.8LBAE/GAL		SL	30fl oz/a		1.13lbae/a	B				
	ADJ AMS - Liquid	3.4lba/gal		SL	8.5lb ai/100 gal		2.5%v/v	B				
	VAR RR2 Xtend Flex Soybean							C				
10	HERB XTENDIMAX WITH VAPORGRIP	2.9lbae/gal		SL	22fl oz/a		0.5lb ae/a	A	110	212	308	410
	HERB Select Max	0.97lba/gal		SL	12fl oz/a		0.091lbae/a	A				
	HERB Dual II Magnum	7.62lba/gal		EC	1.33pt/a		1.27lbai/a	A				
	ADJ Volt Edge	100%		SL	20fl oz/a			A				
	ADJ OnTarget	100%		SL	0.5% v/v			A				
	ADJ NIS	100%		SL	0.25% v/v			A				
	HERB Liberty	2.34lba/gal		L	32fl oz/a		0.585lb ai/a	B				
	ADJ AMS - Liquid	3.4lba/gal		SL	8.5lb ai/100 gal		2.5%v/v	B				
	VAR RR2 XtendFlex Soybean							C				
11	HERB Liberty	2.34lba/gal		L	32fl oz/a		0.585lbai/a	A	111	213	311	408
	HERB Select Max	0.97lba/gal		SL	12fl oz/a		0.091lbae/a	A				
	HERB Dual II Magnum	7.62lba/gal		EC	1.33pt/a		1.27lbai/a	A				
	ADJ AMS - Liquid	3.4lba/gal		SL	8.5lb ai/100 gal		2.5%v/v	A				
	ADJ NIS	100%		SL	0.25% v/v			A				
	HERB Liberty	2.34lba/gal		L	29fl oz/a		0.53lb ai/a	B				
	ADJ AMS - Liquid	3.4lba/gal		SL	8.5lb ai/100 gal		2.5%v/v	B				
	VAR RR2 XtendFlex Soybean							C				
12	HERB Prefix	5.29LB/GAL		L	2.33pt/a		1.54lb ai/a	A	112	210	313	409
	HERB Pursuit	2LBA/GAL		EC	4fl oz/a		0.0625lb ai/a	A				
	ADJ NIS	100%		SL	0.25% v/v		1qt/100gal	A				
	ADJ AMS - Liquid	3.4lba/gal		SL	12lb ai/100 gal		3.53%v/v	A				
	HERB Liberty	2.34lba/gal		L	32fl oz/a		0.585lb ai/a	B				
	HERB Select Max	0.97lba/gal		SL	12fl oz/a		0.091lbae/a	B				
	ADJ AMS - Liquid	3.4lba/gal		SL	8.5lb ai/100 gal		2.5%v/v	B				
	ADJ NIS	100%		SL	0.25% v/v			B				
	VAR RR2 XtendFlex Soybean							C				
13	HERB Prefix	5.29LB/GAL		L	2.33pt/a		1.54lb ai/a	A	113	208	309	413
	HERB Select Max	0.97lba/gal		SL	12fl oz/a		0.091lbae/a	A				
	HERB Firstrate	84%		WG	0.3oz/a		0.0158lbai/a	A				
	ADJ NIS	100%		SL	0.25% v/v			A				
	ADJ COC	100%		SL	0.25% v/v			A				
	ADJ AMS - Liquid	3.4lba/gal		SL	2.5lb ai/a		4.9%v/v	A				
	HERB Cobra	2LBA/GAL		EC	12.5fl oz/a		0.195lbai/a	B				
	HERB Pursuit	2LBA/GAL		EC	4fl oz/a		0.0625lb ai/a	B				
	ADJ COC	100%		SL	1.25pt/a		1.04gal/100gal	B				
	ADJ AMS - Liquid	3.4lba/gal		SL	2lb ai/a		13.3lbai/100gal	B				
	VAR RR2 XtendFlex Soybean							C				

University of Kentucky

Evaluating Authority Supreme and Anthem Maxx for PREPLANT and PRE Residual Weed Control in Soybean

Trial ID:24-19_SOY-REC

Protocol ID:

Location:

Trial Year:2024

Herbicide Trait Package: Enlist E3 Soybean**Planting Date:** May 21, 2024**A – 14 to 21 Days PrePlant:** April 25, 2024**B – 7 Days PrePlant:** May 1, 2024**C – At Planting:** May 21, 2024**D – POST:** June 18, 2024

Trt No.	Type	Treatment Name	Form Conc	Form Unit	Form Type	Rate Rate	Rate Unit	Appl Code	Rep 1	2	3	4
1	CHK	UNTREATED CHECK							101	205	301	409
9	HERB	FIRSTSHOT		50%W/W	SG		0.70oz/a	A	102	204	305	406
	HERB	ROUNDUP POWERMAX		5.5LB/GAL	SL		32fl oz/a	A				
	HERB	CLARITY (4SL)		4LB/GAL	SL		16fl oz/a	A				
	HERB	AUTHORITY EDGE		4.25LB/GAL	SC		7fl oz/a	C				
	HERB	GRAMOXONE SL 3.0		3LB/GAL	SL		22fl oz/a	C				
	ADJ	INDUCE		90%	SL		0.25% v/v	C				
	HERB	LIBERTY		2.34LB/GAL	SL		32fl oz/a	D				
	HERB	ROUNDUP POWERMAX		5.5LB/GAL	SL		32fl oz/a	D				
	ADJ	INTACT		43.18%W/W	SL		1% v/v	D				
	HERB	ANTHEM MAXX		4.3LB/GAL	SC		3.25fl oz/a	D				
10	HERB	FIRSTSHOT		50%W/W	SG		0.70oz/a	A	103	202	306	401
	HERB	ROUNDUP POWERMAX		5.5LB/GAL	SL		32fl oz/a	A				
	HERB	CLARITY (4SL)		4LB/GAL	SL		16fl oz/a	A				
	HERB	AUTHORITY EDGE		4.25LB/GAL	SC		7fl oz/a	C				
	HERB	GRAMOXONE SL 3.0		3LB/GAL	SL		22fl oz/a	C				
	HERB	Metribuzin		75%	D		5.33oz/a	C				
	ADJ	INDUCE		90%	SL		0.25% v/v	C				
	HERB	LIBERTY		2.34LB/GAL	SL		32fl oz/a	D				
	HERB	ROUNDUP POWERMAX		5.5LB/GAL	SL		32fl oz/a	D				
	HERB	ANTHEM MAXX		4.3LB/GAL	SC		3.25fl oz/a	D				
	ADJ	INTACT		43.18%W/W	SL		1% v/v	D				
11	HERB	AUTHORITY EDGE		4.25LB/GAL	SC		7fl oz/a	A	104	207	303	408
	HERB	FIRSTSHOT		50%W/W	SG		0.70oz/a	A				
	HERB	ROUNDUP POWERMAX		5.5LB/GAL	SL		32fl oz/a	A				
	HERB	CLARITY (4SL)		4LB/GAL	SL		16fl oz/a	A				
	HERB	GRAMOXONE SL 3.0		3LB/GAL	SL		22fl oz/a	C				
	HERB	Metribuzin		75%	D		5.33oz/a	C				
	ADJ	INDUCE		90%	SL		0.25% v/v	C				
	HERB	LIBERTY		2.34LB/GAL	SL		32fl oz/a	D				
	HERB	ROUNDUP POWERMAX		5.5LB/GAL	SL		32fl oz/a	D				
	HERB	ANTHEM MAXX		4.3LB/GAL	SC		3.25fl oz/a	D				
	ADJ	INTACT		43.18%W/W	SL		1% v/v	D				
12	HERB	AUTHORITY EDGE		4.25LB/GAL	SC		7fl oz/a	B	105	209	308	402
	HERB	FIRSTSHOT		50%W/W	SG		0.70oz/a	B				
	HERB	ROUNDUP POWERMAX		5.5LB/GAL	SL		32fl oz/a	B				
	HERB	CLARITY (4SL)		4LB/GAL	SL		16fl oz/a	B				
	HERB	GRAMOXONE SL 3.0		3LB/GAL	SL		22fl oz/a	C				
	HERB	Metribuzin		75%	D		5.33oz/a	C				
	ADJ	INDUCE		90%	SL		0.25% v/v	C				
	HERB	LIBERTY		2.34LB/GAL	SL		32fl oz/a	D				
	HERB	ROUNDUP POWERMAX		5.5LB/GAL	SL		32fl oz/a	D				
	HERB	ANTHEM MAXX		4.3LB/GAL	SC		3.25fl oz/a	D				
	ADJ	INTACT		43.18%W/W	SL		1% v/v	D				

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Evaluating Authority Supreme and Anthem Maxx for PREPLANT and PRE Residual Weed Control in Soybean

Trt No.	Type	Treatment Name	Form Conc	Form Unit	Form Type	Rate	Rate Unit	Appl Code	Rep 1	2	3	4
13	HERB	FIRSTSHOT		50%W/W	SG		0.70oz/a	A	106	201	309	407
	HERB	ROUNDUP POWERMAX		5.5LB/GAL	SL		32fl oz/a	A				
	HERB	CLARITY (4SL)		4LB/GAL	SL		16fl oz/a	A				
	HERB	ANTHEM MAXX		4.3LB/GAL	SC		3.20fl oz/a	C				
	HERB	GRAMOXONE SL 3.0		3LB/GAL	SL		22fl oz/a	C				
	HERB	Metribuzin		75%	D		5.33oz/a	C				
	ADJ	INDUCE		90%	SL		0.25% v/v	C				
	HERB	LIBERTY		2.34LB/GAL	SL		32fl oz/a	D				
	HERB	ROUNDUP POWERMAX		5.5LB/GAL	SL		32fl oz/a	D				
	HERB	ANTHEM MAXX		4.3LB/GAL	SC		2.50fl oz/a	D				
	ADJ	INTACT		43.18%W/W	SL		1% v/v	D				
14	HERB	ANTHEM MAXX		4.3LB/GAL	SC		3.20fl oz/a	A	107	208	304	405
	HERB	FIRSTSHOT		50%W/W	SG		0.70oz/a	A				
	HERB	ROUNDUP POWERMAX		5.5LB/GAL	SL		32fl oz/a	A				
	HERB	CLARITY (4SL)		4LB/GAL	SL		16fl oz/a	A				
	HERB	GRAMOXONE SL 3.0		3LB/GAL	SL		22fl oz/a	C				
	HERB	Metribuzin		75%	D		5.33oz/a	C				
	ADJ	INDUCE		90%	SL		0.25% v/v	C				
	HERB	LIBERTY		2.34LB/GAL	SL		32fl oz/a	D				
	HERB	ROUNDUP POWERMAX		5.5LB/GAL	SL		32fl oz/a	D				
	HERB	ANTHEM MAXX		4.3LB/GAL	SC		2.50fl oz/a	D				
	ADJ	INTACT		43.18%W/W	SL		1% v/v	D				
15	HERB	ANTHEM MAXX		4.3LB/GAL	SC		3.20fl oz/a	B	108	206	302	403
	HERB	FIRSTSHOT		50%W/W	SG		0.70oz/a	B				
	HERB	ROUNDUP POWERMAX		5.5LB/GAL	SL		32fl oz/a	B				
	HERB	CLARITY (4SL)		4LB/GAL	SL		16fl oz/a	B				
	HERB	GRAMOXONE SL 3.0		3LB/GAL	SL		22fl oz/a	C				
	HERB	Metribuzin		75%	D		5.33oz/a	C				
	ADJ	INDUCE		90%	SL		0.25% v/v	C				
	HERB	LIBERTY		2.34LB/GAL	SL		32fl oz/a	D				
	HERB	ROUNDUP POWERMAX		5.5LB/GAL	SL		32fl oz/a	D				
	HERB	ANTHEM MAXX		4.3LB/GAL	SC		2.50fl oz/a	D				
	ADJ	INTACT		43.18%W/W	SL		1% v/v	D				
802	HERB	ROUNDUP POWERMAX		5.5LB/GAL	SL		32fl oz/a	A	109	203	307	404
	HERB	CLARITY (4SL)		4LB/GAL	SL		16fl oz/a	A				
	HERB	BOUNDARY (6.5EC)		6.5LB/GAL	EC		29fl oz/a	C				
	HERB	GRAMOXONE SL 3.0		3LB/GAL	SL		22fl oz/a	C				
	ADJ	INDUCE		90%	SL		0.25% v/v	C				
	HERB	ROUNDUP POWERMAX		5.5LB/GAL	SL		32fl oz/a	D				
	HERB	LIBERTY		2.34LB/GAL	SL		32fl oz/a	D				
	ADJ	INTACT		43.18%W/W	SL		1% v/v	D				

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Storen + Atrazine and Acuron vs. Competitors PRE and PRE followed by POST for Crop Safety, Weed Control and Yield (ATZ Universities) [Medium & Fine Soils]

Trial ID:USNG0H6502024

Herbicide Trait Package: RR/LL Corn

Planting Date: May 2, 2024

A – PRE: May 2, 2024 B –V2 Corn: May 20, 2024

Trt No.	Treatment Type Name	Form Conc	Form Unit	Form Type	Rate Rate Unit	Other Rate	Other Rate Unit	Appl Code	Rep 1	2	3	4
1	CHK UNTREATED CHECK								101	213	311	407
2	HERB STOREN	386.02gA/L		ZC	1900g ai/ha	2.1qt/a		A	102	204	308	413
	HERB AATREX 4L	480gA/L		SC	840g ai/ha	0.748qt/a		A				
3	HERB STOREN	386.02gA/L		ZC	2170g ai/ha	2.4qt/a		A	103	203	304	414
	HERB AATREX 4L	480gA/L		SC	840g ai/ha	0.748qt/a		A				
4	HERB ACURON 3.44 ZC	411.93gA/L		ZC	2890g ai/ha	3qt/a		A	104	211	306	416
5	HERB RESICORE 3.29 SC	394.4gA/L		SC	2310g ai/ha	2.5qt/a		A	105	210	307	408
	HERB AATREX 4L	480gA/L		SC	840g ai/ha	0.748qt/a		A				
6	HERB RESICORE 3.29 SC	394.4gA/L		SC	2770g ai/ha	3qt/a		A	106	201	305	411
	HERB AATREX 4L	480gA/L		SC	840g ai/ha	0.748qt/a		A				
7	HERB TRIVOLT	438gA/L		SC	560g ai/ha	17.5fl oz/a		A	107	212	312	406
	HERB AATREX 4L	480gA/L		SC	840g ai/ha	0.748qt/a		A				
8	HERB TRIVOLT	438gA/L		SC	640g ai/ha	20fl oz/a		A	108	205	313	415
	HERB AATREX 4L	480gA/L		SC	840g ai/ha	0.748qt/a		A				
9	HERB MAVERICK	244.3gA/L		SC	428g ai/ha	24fl oz/a		A	109	214	316	412
	HERB AATREX 4L	480gA/L		SC	840g ai/ha	0.748qt/a		A				
10	HERB MAVERICK	244.3gA/L		SC	571g ai/ha	32fl oz/a		A	110	202	309	402
	HERB AATREX 4L	480gA/L		SC	840g ai/ha	0.748qt/a		A				
11	HERB STOREN	386.02gA/L		ZC	948g ai/ha	1.05qt/a		A	111	208	315	409
	HERB AATREX 4L	480gA/L		SC	420g ai/ha	0.374qt/a		A				
	ADJ AMSOL			SL	2.5% v/v	2.5% v/v		B				
	HERB STOREN	386.02gA/L		ZC	948g ai/ha	1.05qt/a		B				
	HERB AATREX 4L	480gA/L		SC	420g ai/ha	0.374qt/a		B				
	HERB ROUNDUP POWERMAX 3	575gAE/L		SL	1010g ae/ha	24fl oz/a		B				
12	HERB STOREN	386.02gA/L		ZC	1080g ai/ha	1.2qt/a		A	112	207	302	410
	HERB AATREX 4L	480gA/L		SC	420g ai/ha	0.374qt/a		A				
	ADJ AMSOL			SL	2.5% v/v	2.5% v/v		B				
	HERB STOREN	386.02gA/L		ZC	1080g ai/ha	1.2qt/a		B				
	HERB AATREX 4L	480gA/L		SC	420g ai/ha	0.374qt/a		B				
	HERB ROUNDUP POWERMAX 3	575gAE/L		SL	1010g ae/ha	24fl oz/a		B				
13	HERB STOREN	386.02gA/L		ZC	1530g ai/ha	1.7qt/a		A	113	216	301	403
	HERB AATREX 4L	480gA/L		SC	420g ai/ha	0.374qt/a		A				
	ADJ AMSOL			SL	2.5% v/v	2.5% v/v		B				
	ADJ NIS			SL	0.25% v/v	0.25% v/v		B				
	HERB AATREX 4L	480gA/L		SC	561g ai/ha	0.5qt/a		B				
	HERB HALEX GT 4.38 CS	525gA/L		CS	2210g ai/ha	3.6pt/a		B				
14	ADJ AMSOL			SL	2.5% v/v	2.5% v/v		B	114	209	314	401
	HERB STOREN	386.02gA/L		ZC	1900g ai/ha	2.1qt/a		B				
	HERB AATREX 4L	480gA/L		SC	840g ai/ha	0.748qt/a		B				
	HERB ROUNDUP POWERMAX 3	575gAE/L		SL	1010g ae/ha	24fl oz/a		B				
	HERB CLARITY	480gA/L		SL	281g ai/ha	8fl oz/a		B				
15	ADJ AMSOL			SL	2.5% v/v	2.5% v/v		A	115	206	303	405
	HERB SEQUENCE 5.25 EW	629.1gAE/L		EW	2940g ai/ha	2qt/a		A				
	HERB AATREX 4L	480gA/L		SC	420g ai/ha	0.374qt/a		A				
	ADJ AMSOL			SL	2.5% v/v	2.5% v/v		B				
	ADJ NIS			SL	0.25% v/v	0.25% v/v		B				
	HERB AATREX 4L	480gA/L		SC	561g ai/ha	0.5qt/a		B				
	HERB ACURON GT	514.35gA/L		ZC	2260g ai/ha	3.75pt/a		B				
16	HERB ACURON 3.44 ZC	411.93gA/L		ZC	1440g ai/ha	1.5qt/a		A	116	215	310	404
	HERB AATREX 4L	480gA/L		SC	420g ai/ha	0.374qt/a		A				
	ADJ AMSOL			SL	2.5% v/v	2.5% v/v		B				
	HERB ACURON 3.44 ZC	411.93gA/L		ZC	1440g ai/ha	1.5qt/a		B				
	HERB AATREX 4L	480gA/L		SC	420g ai/ha	0.374qt/a		B				
	HERB ROUNDUP POWERMAX 3	575gAE/L		SL	1010g ae/ha	24fl oz/a		B				

University of Kentucky

Syngenta and Valent Soybean Herbicide Programs

Trial ID:24-21_SOY-REC
Protocol ID:24-21_SOY-REC

Location:

Trial Year:2024

Herbicide Trait Package: Enlist E3 Soybean**Planting Date:** May 21, 2024**A – PRE:** May 21, 2024**B – POST:** June 18, 2024

Trt No.	Treatment Type	Treatment Name	Form Conc	Form Unit	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate Unit	Appl Code	Rep 1	Rep 2	Rep 3	Rep 4
1	CHK	Untreated									101	206	301	404
2	HERB	FIERCE EZ (2065)	3.04LBA/GAL		SC	6fl oz/a		6fl oz/a		A	102	205	307	403
	HERB	Liberty	2.34lba/gal		L	43fl oz/a		0.79lb ai/a		B				
	HERB	PERPETUO	2.3LBA/GAL		SC	6fl oz/a		6fl oz/a		B				
	ADJ	NIS	100%		SL	1% v/v				B				
	ADJ	AMS - Liquid	3.4lba/gal		SL	2.5% v/v		8.5lb ai/100gal		B				
3	HERB	FIERCE MTZ SC (2030)	2.64LBA/GAL		SC	16fl oz/a		16fl oz/a		A	103	204	302	405
	HERB	Liberty	2.34lba/gal		L	43fl oz/a		0.79lb ai/a		B				
	HERB	PERPETUO	2.3LBA/GAL		SC	6fl oz/a		6fl oz/a		B				
	ADJ	NIS	100%		SL	1% v/v				B				
	ADJ	AMS - Liquid	3.4lba/gal		SL	2.5% v/v		8.5lb ai/100gal		B				
4	HERB	FIERCE XLT	62.41%W/W		WG	3.75oz wt/a		3.75oz wt/a		A	104	207	304	402
	HERB	Liberty	2.34lba/gal		L	43fl oz/a		0.79lb ai/a		B				
	HERB	PERPETUO	2.3LBA/GAL		SC	6fl oz/a		6fl oz/a		B				
	ADJ	NIS	100%		SL	1% v/v				B				
	ADJ	AMS - Liquid	3.4lba/gal		SL	2.5% v/v		8.5lb ai/100gal		B				
5	HERB	Tendovo	4.17LBA/GAL		ZC	1.75qt/a		1.82lb ai/a		A	105	201	303	406
	HERB	Prefix	5.29LB/GAL		L	2pt/a		1.32lbai/a		B				
	HERB	Liberty	2.34lba/gal		L	43fl oz/a		0.79lb ai/a		B				
	ADJ	NIS	100%		SL	1% v/v				B				
	ADJ	AMS - Liquid	3.4lba/gal		SL	2.5% v/v		8.5lb ai/100gal		B				
6	HERB	Tendovo	4.17LBA/GAL		ZC	1.75qt/a		1.82lb ai/a		A	106	202	305	401
	HERB	Sequence	5.25lba/gal		L	4pt/a		2.63lbai/a		B				
	ADJ	AMS - Liquid	3.4lba/gal		SL	2.5% v/v		8.5lb ai/100gal		B				
7	HERB	Sequence	5.25lba/gal		L	4pt/a		2.63lbai/a		A	107	203	306	407
	HERB	Liberty	2.34lba/gal		L	43fl oz/a		0.79lb ai/a		B				
	ADJ	AMS - Liquid	3.4lba/gal		SL	2.5% v/v		8.5lb ai/100gal		B				

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C23C SOUTH 821 (14OZ) UNIVERSITY CORN HERBICIDE TRIAL

Trial ID:24-25_COR-REC (C23C)

Cooperator Trial ID:

Herbicide Trait Package: RR/LL Corn**Planting Date:** May 2, 2024**A – PRE:** May 2, 2024**B –V1 to V2 Corn:** May 20, 2024**C – V3 to V4 Corn:** May 28, 2024**D - V5 to V6 Corn:** May 31, 2024

Trt No.	Type	Treatment Name	Form Conc	Form Unit	Form Type	Rate Rate	Rate Unit	Appl Code	Appl Description	Rep 1	2	3	4
1	CHK	CHECK								101	207	308	415
2	HERB	ACURON	412.8GA/L		ZC	48.0fl oz/a		A	H2O	102	211	314	413
3	HERB	RESICORE	394.4GA/L		SL	40.0fl oz/a		A	H2O	103	202	304	409
4	HERB	TRIVOLT	438GA/L		SC	12.0fl oz/a		A	H2O	104	212	302	411
5	HERB	STOREN	387GA/L		ZC	38.0fl oz/a		A	H2O	105	214	312	414
6	HERB	SURTAIN	195.0GA/L		ZC	14.0fl oz/a		A	H2O	106	203	315	406
7	HERB	SURTAIN	195GA/L		ZC	14.0fl oz/a		A	H2O	107	208	313	402
	HERB	ATRAZIN 4L	480GA/L		SC	32.0fl oz/a		A	H2O				
8	HERB	SURTAIN	195GA/L		ZC	14.0fl oz/a		B	H2O	108	206	301	407
	HERB	CLARITY	480GA/L		SL	8.0fl oz/a		B	H2O				
	HERB	ROUNDUP POWERMAX3	575GA/L		SL	30.0fl oz/a		B	H2O				
	ADJ	AMS - Liquid	3.4lba/gal		SL	8.5lb ai/100 gal		B	H2O				
	PROD	INDUCE	998GA/L		TK	0.25% v/v		B	H2O				
9	HERB	SURTAIN	195GA/L		ZC	14.0fl oz/a		B	H2O	109	213	310	405
	HERB	ARMEZON	336GA/L		SC	0.75fl oz/a		B	H2O				
	HERB	ATRAZIN 4L	480GA/L		SC	32.0fl oz/a		B	H2O				
	HERB	ROUNDUP POWERMAX3	575.0GA/L		SL	30.0fl oz/a		B	H2O				
	ADJ	AMS - Liquid	3.4lba/gal		SL	8.5lb ai/100 gal		B	H2O				
	PROD	CROP OIL CONCENTRATE	870GA/L		OL	1.0% v/v		B	H2O				
10	HERB	SURTAIN	195.0GA/L		ZC	14.0fl oz/a		A	H2O	110	209	305	404
	HERB	ARMEZON PRO	642.5GA/L		EC	16.0fl oz/a		D	H2O				
	HERB	ATRAZIN 4L	480GA/L		SC	16.0fl oz/a		D	H2O				
	HERB	ROUNDUP POWERMAX3	575GA/L		SL	30.0fl oz/a		D	H2O				
	ADJ	AMS - Liquid	3.4lba/gal		SL	8.5lb ai/100 gal		D	H2O				
	PROD	CROP OIL CONCENTRATE	870GA/L		OL	1.0% v/v		D	H2O				
11	HERB	SURTAIN	195.0GA/L		ZC	14.0fl oz/a		A	H2O	111	204	306	403
	HERB	STATUS HERBICIDE	56.0%		WG	5.0oz wt/a		D	H2O				
	HERB	ZIDUA SC	500GA/L		SC	2.5fl oz/a		D	H2O				
	HERB	ROUNDUP POWERMAX3	575.0GA/L		SL	30.0fl oz/a		D	H2O				
	ADJ	AMS - Liquid	3.4lba/gal		SL	8.5lb ai/100 gal		D	H2O				
	PROD	INDUCE	998.0GA/L		TK	0.25% v/v		D	H2O				
12	HERB	SURTAIN	195.0GA/L		ZC	14.0fl oz/a		C	H2O	112	215	307	408
	HERB	ARMEZON	336.0GA/L		SC	0.75fl oz/a		C	H2O				
	HERB	ATRAZIN 4L	480.0GA/L		SC	32.0fl oz/a		C	H2O				
	ADJ	AMS - Liquid	3.4lba/gal		SL	8.5lb ai/100 gal		C	H2O				
	PROD	CROP OIL CONCENTRATE	870GA/L		OL	1.0% v/v		C	H2O				
13	HERB	SURTAIN	195.0GA/L		ZC	14.0fl oz/a		C	H2O	113	201	309	401
	HERB	ATRAZIN 4L	480.0GA/L		SC	32.0fl oz/a		C	H2O				
	HERB	ROUNDUP POWERMAX3	575GA/L		SL	30.0fl oz/a		C	H2O				
	ADJ	AMS - Liquid	3.4lba/gal		SL	8.5lb ai/100 gal		C	H2O				
	PROD	CROP OIL CONCENTRATE	870GA/L		OL	1.0% v/v		C	H2O				
14	HERB	ATRAZIN 4L	480.0GA/L		SC	32.0fl oz/a		C	H2O	114	210	311	410
	HERB	ROUNDUP POWERMAX3	575.0GA/L		SL	30.0fl oz/a		C	H2O				
	ADJ	AMS - Liquid	3.4lba/gal		SL	8.5lb ai/100 gal		C	H2O				
	PROD	CROP OIL CONCENTRATE	870GA/L		OL	1.0% v/v		C	H2O				
15	HERB	HALEX GT	526.7GA/L		SE	60.0fl oz/a		C	H2O	115	205	303	412
	HERB	ATRAZIN 4L	480.0GA/L		SC	32.0fl oz/a		C	H2O				
	ADJ	AMS - Liquid	3.4lba/gal		SL	8.5lb ai/100 gal		C	H2O				
	PROD	CROP OIL CONCENTRATE	870GA/L		OL	1.0% v/v		C	H2O				

University of Kentucky

BAS842 PRE - E3 NO-TILL SOYBEAN

Trial ID:24-27_SOY-REC(D34)

Cooperator Trial ID:

Herbicide Trait Package: Enlist E3 Soybean**Planting Date:** May 21, 2024**A – PRE:** May 21, 2024**B – PRE:** May 21, 2024**C – VC/V1 SOYBEAN:** June 3, 2024

Trt No.	Type	Treatment Name	Form Conc	Form Unit	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate Unit	Appl Code	Rep 1	Rep 2	Rep 3	Rep 4
1	CHK	CHECK									101	204	306	402
2	HERB	ENLIST ONE	456GA/L	SL		32.0fl oz/a		1066.0g ai/ha		A	102	203	301	404
	HERB	ZIDUA SC	500.0GA/L	SC		3.25fl oz/a		119.0g ai/ha		A				
	HERB	ROUNDUP POWERMAX3	575.0GA/L	SL		30.0fl oz/a		1260.0g ai/ha		A				
	PROD	AMSOL	408.0GA/L	SL		2.5% w/v		1430.0g ai/ha		A				
3	HERB	ENLIST ONE	456GA/L	SL		32.0fl oz/a		1066.0g ai/ha		A	103	206	305	403
	HERB	BAS 842ACH	433GA/L	SC		6.0fl oz/a		190.0g ai/ha		A				
	HERB	ROUNDUP POWERMAX3	575.0GA/L	SL		30.0fl oz/a		1260.0g ai/ha		A				
	PROD	AMSOL	408.0GA/L	SL		2.5% w/v		1430.0g ai/ha		A				
4	HERB	VERDICT	668.0GA/L	EC		5.0fl oz/a		244.0g ai/ha		B	104	201	304	406
	PROD	MSO	900.0GA/L	OL		1.0% v/v		1260.0g ai/ha		B				
	PROD	AMSOL	408.0GA/L	SL		2.5% w/v		1430.0g ai/ha		B				
	HERB	BAS 842ACH	433.0GA/L	SC		6.0fl oz/a		190.0g ai/ha		B				
	HERB	ROUNDUP POWERMAX3	575.0GA/L	SL		30.0fl oz/a		1260.0g ai/ha		B				
5	HERB	DIMETRIC DF 75%	75.0%	WG		4.0oz wt/a		210.0g ai/ha		B	105	202	303	405
	HERB	BAS 842ACH	433.0GA/L	SC		6.0fl oz/a		190.0g ai/ha		B				
	HERB	ROUNDUP POWERMAX3	575.0GA/L	SL		30.0fl oz/a		1260.0g ai/ha		B				
	PROD	MSO	900.0GA/L	OL		1.0% v/v		1260.0g ai/ha		B				
	PROD	AMSOL	408.0GA/L	SL		2.5% w/v		1430.0g ai/ha		B				
6	HERB	ENLIST ONE	456GA/L	SL		32.0fl oz/a		1066.0g ai/ha		C	106	205	302	401
	HERB	BAS 842ACH	433.0GA/L	SC		6.0fl oz/a		190.0g ai/ha		C				
	HERB	ROUNDUP POWERMAX3	575.0GA/L	SL		30.0fl oz/a		1260.0g ai/ha		C				
	PROD	AMSOL	408.0GA/L	SL		2.5% w/v		1430.0g ai/ha		C				
	PROD	MSO	900.0GA/L	OL		1.0% v/v		1260.0g ai/ha		C				

University of Kentucky

SC600/619 Soy Competitive Weed Control/10A

Trial ID:24-31_SOY-REC
Protocol ID:

Location:Kentucky

Trial Year:2024

Herbicide Trait Package: Roundup Ready 2 XtendFlex Soybean

Planting Date: May 21, 2024

A – PRE: May 21, 2024

DFF+FFA+MRB and 478+MRB are pending registration with US EPA and other appropriate regulatory bodies

Trt No.	Type	Treatment Name	Form Conc	Form Unit	Form Type	Other Rate	Other Rate Unit	Appl Code	Rep 1	Rep 2	Rep 3
1	CHK	Untreated							101	401	502
2	HERB	DFF+FFA+MRB	619GA/L		SC	19fl oz/a		A	102	406	602
3	HERB	478 + MRB	600GA/L		SC	10.3fl oz/a		A	103	305	504
4	HERB	478 + MRB	600GA/L		SC	10.3fl oz/a		A	104	402	606
	HERB	WARRANT	3LBA/GAL		CS	48fl oz/a		A			
5	HERB	478 + MRB	600GA/L		SC	10.3fl oz/a		A	105	405	501
	HERB	Dual II Magnum	7.64lba/gal		EC	1.33pt/a		A			
6	HERB	478 + MRB	600GA/L		SC	10.3fl oz/a		A	106	404	605
	HERB	Zidua	4.17LBA/GAL		SC	3.25fl oz/a		A			
7	HERB	Mauler	4lba/gal		L	8.6fl oz/a		A	201	302	503
	HERB	WARRANT	3LBA/GAL		CS	48fl oz/a		A			
8	HERB	Boundary	6.5LBA/GAL		EC	24fl oz/a		A	202	306	604
9	HERB	Fierce MTZ	2.64LBA/GAL		SC	1.25pt/a		A	203	403	505
10	HERB	Valor EZ	4lba/gal		L	2.5fl oz/a		A	204	303	603
11	HERB	478 + MRB	600GA/L		SC	10.3fl oz/a		A	205	301	506
	HERB	Outlook	6lba/gal		EC	14fl oz/a		A			
12	CHK	Untreated 2							206	304	601

University of Kentucky

University Showcase of GF-5223 Encapsulated Acetochlor weed control and crop tolerance POST in soybean.

Trial ID:24-32_SOY-REC

Protocol ID:

Location:

Trial Year:2024

Herbicide Trait Package: Enlist E3 Soybean**Planting Date:** May 21, 2024**A – PRE:** May 21, 2024**B – V3 to V4 SOYBEAN:** June 18, 2024

Trt No.	Type	Treatment Name	Form Conc	Form Unit	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate Unit	Appl Code	Rep 1	2	3	4
1	HERB	Trivence UNTREATED	61.3%W/W		DG			5oz/a		A B	101	206	307	401
2	HERB	Trivence	61.3%W/W		DG			5oz/a		A	102	208	303	403
		Enlist One	456GAE/L		SL	1070g	ae/ha	32fl	oz/a	B				
		LIBERTY	255.92GAE/L		SL	600g	ae/ha	32fl	oz/a	B				
	ADJ	AMS - Liquid	3.4lba/gal		SL	2.5%	v/v	2.5%	v/v	B				
3	HERB	Trivence	61.3%W/W		DG			5oz/a		A	103	205	309	402
		Enversa	360GA/L		CS	1260g	ai/ha	48fl	oz/a	B				
		Enlist One	456GAE/L		SL	1070g	ae/ha	32fl	oz/a	B				
		LIBERTY	255.92GAE/L		SL	600g	ae/ha	32fl	oz/a	B				
	ADJ	AMS - Liquid	3.4lba/gal		SL	2.5%	v/v	2.5%	v/v	B				
4	HERB	Trivence	61.3%W/W		DG			5oz/a		A	104	207	304	405
		WARRANT	359GA/L		CS	1260g	ai/ha	48fl	oz/a	B				
		Enlist One	456GAE/L		SL	1070g	ae/ha	32fl	oz/a	B				
		LIBERTY	255.92GAE/L		SL	600g	ae/ha	32fl	oz/a	B				
	ADJ	AMS - Liquid	3.4lba/gal		SL	2.5%	v/v	2.5%	v/v	B				
5	HERB	Trivence	61.3%W/W		DG			5oz/a		A	105	204	301	407
		DUAL II MAGNUM	916GA/L		EC	1070g	ai/ha	1pt/a		B				
		Enlist One	456GAE/L		SL	1070g	ae/ha	32fl	oz/a	B				
		LIBERTY 280 SL	255.92GAE/L		SL	598g	ae/ha	32fl	oz/a	B				
	ADJ	AMS - Liquid	3.4lba/gal		SL	2.5%	v/v	2.5%	v/v	B				
6	HERB	Trivence	61.3%W/W		DG			5oz/a		A	106	201	302	406
		Enlist One	456GAE/L		SL	1070g	ae/ha	32fl	oz/a	B				
		LIBERTY	255.92GAE/L		SL	600g	ae/ha	32fl	oz/a	B				
		Roundup PowerMAX 3	575GAE/L		SL	1340g	ae/ha	32fl	oz/a	B				
	ADJ	AMS - Liquid	3.4lba/gal		SL	2.5%	v/v	2.5%	v/v	B				
7	HERB	Trivence	61.3%W/W		DG			5oz/a		A	107	209	306	404
		Enversa	360GA/L		CS	1260g	ai/ha	48fl	oz/a	B				
		Enlist One	456GAE/L		SL	1070g	ae/ha	32fl	oz/a	B				
		LIBERTY	255.92GAE/L		SL	600g	ae/ha	32fl	oz/a	B				
		Roundup PowerMAX 3	575GAE/L		SL	1340g	ae/ha	32fl	oz/a	B				
	ADJ	AMS - Liquid	3.4lba/gal		SL	2.5%	v/v	2.5%	v/v	B				
8	HERB	Trivence	61.3%W/W		DG			5oz/a		A	108	202	305	409
		WARRANT	359GA/L		CS	1260g	ai/ha	48fl	oz/a	B				
		Enlist One	456GAE/L		SL	1070g	ae/ha	32fl	oz/a	B				
		LIBERTY	255.92GAE/L		SL	600g	ae/ha	32fl	oz/a	B				
		Roundup PowerMAX 3	575GAE/L		SL	1340g	ae/ha	32fl	oz/a	B				
	ADJ	AMS - Liquid	3.4lba/gal		SL	2.5%	v/v	2.5%	v/v	B				
9	HERB	Trivence	61.3%W/W		DG			5oz/a		A	109	203	308	408
		DUAL II MAGNUM	916GA/L		EC	1070g	ai/ha	1pt/a		B				
		Enlist One	456GAE/L		SL	1070g	ae/ha	32fl	oz/a	B				
		LIBERTY	255.92GAE/L		SL	600g	ae/ha	32fl	oz/a	B				
		Roundup PowerMAX 3	575GAE/L		SL	1340g	ae/ha	32fl	oz/a	B				
	ADJ	AMS - Liquid	3.4lba/gal		SL	2.5%	v/v	2.5%	v/v	B				

University of Kentucky

Pyroxasulfone SC evaluation

Trial ID:24-33_COR-REC
Protocol ID:24-33_COR-REC

Location:UKREC

Trial Year:2024

Herbicide Trait Package: RR/LL Corn

Planting Date: May 21, 2024

A – PRE: May 21, 2024

B – POST: TBD

Trt No.	Type	Treatment Name	Form Conc	Form Unit	Form Type	Rate Rate	Unit	Other Rate	Other Rate Unit	Appl Code	Rep 1	2	3	4
1	CHK	Untreated									101	203	302	403
2	HERB	Pyroxasulfone SC (Albaugh)	4.17	LBA/GAL	SC	4fl oz/a		0.13	lbai/a	A	102	201	303	401
	HERB	Roundup PowerMAX 3	4.8	LBAE/GAL	SL	30fl oz/a		1.13	lb ae/a	B				
	ADJ	AMS - Liquid	3.4	lba/gal	SL	2.5% v/v		8.5	lbai/100gal	B				
3	HERB	Zidua	4.17	LBA/GAL	SC	4fl oz/a		0.13	lbai/a	A	103	202	301	402
	HERB	Roundup PowerMAX 3	4.8	LBAE/GAL	SL	30fl oz/a		1.13	lb ae/a	B				
	ADJ	AMS - Liquid	3.4	lba/gal	SL	2.5% v/v		8.5	lbai/100gal	B				

PRODUCT INDEX

Trade Name	Active Ingredient (lb/gal or %)	MOA Group	Company	
Aatrex	atrazine (4 lb)	5	Syngenta	
Acuron	S-metolachlor (2.14 lb) + atrazine (1.0 lb) +	15 5	Syngenta	
	mesotrione (0.24 lb) + bicyclopyrone (0.06 lb) + benoxacor (safener)	27 27		
	S-metolachlor (2.0 lb) + glyphosate (2.0 lb ae) + mesotrione (0.20 lb) + bicyclopyrone (0.095 lb) + (safener)	15 9 27 27		Syngenta
	AMS - Liquid	ammonium sulfate (3.4 lb)		
AMSOL	ammonium sulfate (3.4 lb)	-	Winfield United	
Anthem Maxx	fluthiacet-methyl (0.126 lb) + pyroxasulfone (4.174 lb)	14 15	FMC	
	Armezon	topramezone (2.8 lb)		27
Armezon PRO	dimethenamid-P (5.25 lb) + topramezone (0.1 lb)	15 27	BASF	
	Assure II	quizalofop P-ethyl		1
Authority Edge	Sulfentrazone (2.73 lb) + pyroxasulfone (1.52 lb)	14 15	FMC	
	Boundary	S-metolachlor (5.25 lb) + metribuzin (1.25 lb)		15 5
Canopy	chlorimuron (10.7%) + metribuzin (64.3%)	2 5	Corteva	
	Capreno	thiencarbazone (0.57 lb) + tembotrione (2.88 lb) + isoxadifen (safener)		2 27
Clarity	dicamba (4 lb)	4	BASF	
Classic	chlorimuron (25%)	2	AMVAC	
Cobra	lactofen (2 lb)	14	Valent	
COC	Crop oil concentrate	-	Various	
Dimetric DF 75%	metribuzin (75%)	5	Winfield United	
Dual II Magnum	S-metolachlor (7.64 lb) + benoxacor (safener)	15	Syngenta	
Enlist One	2,4-D [choline salt] (3.8 lb ae)	4	Corteva	
Enversa	Acetochlor	15	Corteva	
Fierce EZ	flumioxazin (1.34 lb) + pyroxasulfone (1.7 lb)	14 15	Valent	
	Fierce MTZ	flumioxazin (0.5 lb) + pyroxasulfone (0.64 lb) + metribuzin (1.5 lb)		14 15 5

Trade Name	Active Ingredient (lb/gal or %)	MOA Group	Company
Fierce XLT	chlorimuron (6.67%) +	2	Valent
	flumioxazin (24.57%) +	14	
	pyroxasulfone (31.7%)	15	
Firstrate	cloransulam (84 %)	2	AMVAC
Firstshot	thifensulfuron (25%) +	2	FMC
	tribenuron (25%)	2	
Gramoxone SL 3.0	paraquat (3 lb)	22	Syngenta
Halex GT	S-metolachlor (2.09 lb) +	15	Syngenta
	glyphosate (2.09 lb) +	9	
	mesotrione (0.209 lb)	27	
Induce	Spreader – Activator	-	Helena Agri-Enterprises
Intact	Drift control agent	-	Precision Labs
Laudis	tembotrione (3.5 lb)	27	Bayer CropScience
Liberty	glufosinate (2.34 lb)	10	BASF
Mauler	metribuzin (4 lb)	5	Valent
Maverick	mesotrione (0.829 lb) +	27	Valent
	clopyralid (0.693 lb) +	4	
	pyroxasulfone (0.693)	15	
Metribuzin	metribuzin (75%)	5	Various
MSO	methylated seed oil	-	Various
NIS	non-ionic surfactant	-	Various
OnTarget	drift reduction agent	-	Winfield
Outlook	dimethenamid-P (6 lb)	15	BASF
Perpetuo	flumiclorac-pentyl (0.59 lb) +	14	Valent
	pyroxasulfone (1.71 lb)	15	
Prefix	S-metolachlor (4.34 lb) +	15	Syngenta
	fomesafen (0.95 lb)	14	
Preview	sulfentrazone (1.12 lb) +	14	UPL
	metribuzin (2.23 lb)	5	
Pursuit	imazethapyr (2 lb)	2	BASF
Pyroxasulfone SC (Albaugh)	pyroxasulfone	15	Albaugh
Resicore	acetochlor (2.8 lb) +	15	Corteva
	mesotrione (0.3 lb) +	27	
	clopyralid (0.19 lb)	4	
Roundup PowerMax	glyphosate [potassium salt] (4.5 lb ae)	9	Bayer
Roundup PowerMAX 3	glyphosate [potassium salt] (4.8 lb ae)	9	Bayer
Select Max	clethodim (0.97 lb)	1	Valent
Sequence	glyphosate (2.25 lb) +	9	Syngenta
	S-metolachlor (3 lb)	15	
Sharpen	saflufenacil (2.85 lb)	14	BASF
Spartan	sulfentrazone (4 lb)	14	FMC

Trade Name	Active Ingredient (lb/gal or %)	MOA Group	Company
Status	diflufenzopyr (0.16 lb) +	19	BASF
	dicamba (0.4 lb) +	4	
	isoxadifen (safener)		
Storen	pyroxasulfone +	15	Syngenta
	S-metolachlor +	15	
	mesotrione +	27	
	bicyclopyrone +	27	
	benoxacor (safener)		
Surtain	saflufenacil (0.626 lb) +	14	BASF
	pyroxasulfone (1.002 lb)	15	
Surveil	cloransulam (12%)	2	Corteva
	flumioxazin (36%)	14	
Tendovo	cloransulam (0.065 lb)+	2	Syngenta
	metribuzin (0.642 lb) +	5	
	S-metolachlor (3.47 lb)	15	
Trivence	chlorimuron (3.9%) +	2	Corteva
	flumioxazin (12.8%) +	14	
	metribuzin (44.6%)	5	
Trivolt	thiencarbazone (0.23 lb) +	2	Bayer CropScience
	isoxaflutole (0.57 lb) +	27	
	flufenacet (2.85 lb) +	15	
	crop safener		
Valor EZ	flumioxazin (4 lb)	14	Valent
Verdict	saflufenacil (0.57 lb) +	14	BASF
	dimethenamid-P (5 lb)	15	
Volt Edge	volatility reduction agent	-	Winfield
Warrant	acetochlor (3 lb)	15	Bayer
Xtendimax with vaporgrip	Dicamba [DGA salt] (2.9 lb ae)	4	Bayer
Zalo	glufosinate (2.29 lb) +	10	AMVAC
	quizalofop (0.23 lb)	1	
Zidua SC	pyroxasulfone (4.17 lb)	15	BASF