

University of Tennessee

BAREGROUND SEQUENTIAL

Trial ID: SHULTZ BAREGROUND Location: JACKSON Trial Year: 2021
 Protocol ID: SHULTZ BAREGROUND Investigator (Creator): Dr. Larry Steckel
 Project ID: Study Director:
 Sponsor Contact:

Reps: 4 Plots: 10 by 30 feet
 Appl. Amount: 15 GAL/AC Mix Size: 2 L (total for 4 plots; minimum=1.564 L)

Trt No.	Type	Treatment Name	Rate	Appl Unit	Appl Timing	Mix Code	Mix Size Unit	Amt Product to Measure	Rep 1	Rep 2	Rep 3	Rep 4
1	CHK	CHECK							101	202	301	404
2	HERB	WARRANT	24oz/a	PRE		A	2.0L	25.0 mL/mx	102	205	302	401
		HERB	WARRANT	24oz/a	14 DA PRE	B	2.0L	25.0 mL/mx				
3	HERB	OUTLOOK	12.8oz/a	PRE		A	2.0L	13.33 mL/mx	103	204	303	402
		HERB	OUTLOOK	12.8oz/a	14 DA PRE	B	2.0L	13.33 mL/mx				
4	HERB	ZIDUA SC	3.25oz/a	PRE		A	2.0L	3.385 mL/mx	104	201	304	405
		HERB	ZIDUA SC	2.5oz/a	14 DA PRE	B	2.0L	2.604 mL/mx				
5	HERB	DUAL MAGNUM	16oz/a	PRE		A	2.0L	16.67 mL/mx	105	203	305	403
		HERB	DUAL MAGNUM	16oz/a	14 DA PRE	B	2.0L	16.67 mL/mx				

Sort Order: Replicate 1

Product quantities required for listed treatments and applications of trials included in this table:

Amount*	Unit	Treatment Name	Form Conc	Form Unit	Form Type	Lot Code
62.500	mL	WARRANT	3	LB/GAL	CS	
33.333	mL	OUTLOOK	6	LB/GAL	SL	
7.487	mL	ZIDUA SC	4.17	LB/GAL	SC	
41.667	mL	DUAL MAGNUM	7.62	LBA/GAL	EC	

* 'Per area' calculations based on application amount= 15 GAL/AC, mix size= 2 L (mix size basis).

* Product amount calculations increased 25 % for overage adjustment.

University of Tennessee

Corteva University Showcase Trial Soybean PREs in an Enlist System - Sales Support (duplicating NA21P2E002H)

Trial ID:NA21P2E003H Location:JACKSON Trial Year:2021
 Protocol ID:NA21P2E003H Investigator (Creator):Dr. Larry Steckel
 Project ID: Study Director:
 Sponsor Contact:

Reps: 4 Plots: 5 by 30 feet
 Appl. Amount: 15 GAL/AC Mix Size: 2 L (total for 4 plots; minimum=0.782 L)

Trt No.	Treatment Type Name	Rate	Appl Unit	Appl Timing	Mix Code	Mix Size Unit	Amt Product to Measure	Rep 1	2	3	4
1	CHK	CHECK						101	208	303	405
2	HERB	KYBER	1pt/a	PRE	A	2.0L	16.67 mL/mx	102	210	305	404
	HERB	ENLIST ONE	2pt/a	POST	B	2.0L	33.33 mL/mx				
	HERB	LIBERTY	2pt/a	POST	B	2.0L	33.33 mL/mx				
3	HERB	KYBER	1pt/a	PRE	A	2.0L	16.67 mL/mx	103	207	301	410
	HERB	ENLIST ONE	2pt/a	POST	B	2.0L	33.33 mL/mx				
	HERB	LIBERTY	2pt/a	POST	B	2.0L	33.33 mL/mx				
	HERB	EVERPREX	1pt/a	POST	B	2.0L	16.67 mL/mx				
4	HERB	CLASSIC	1.09oz/a	PRE	A	2.0L	1.088 g/mx	104	205	307	402
	HERB	VALOR	1.76oz/a	PRE	A	2.0L	1.757 g/mx				
	HERB	METRIBUZIN 75	4.2oz/a	PRE	A	2.0L	4.194 g/mx				
	HERB	ENLIST ONE	2pt/a	POST	B	2.0L	33.33 mL/mx				
	HERB	LIBERTY	2pt/a	POST	B	2.0L	33.33 mL/mx				
5	HERB	CLASSIC	1.09oz/a	PRE	A	2.0L	1.088 g/mx	105	209	306	401
	HERB	VALOR	1.76oz/a	PRE	A	2.0L	1.757 g/mx				
	HERB	METRIBUZIN 75	4.2oz/a	PRE	A	2.0L	4.194 g/mx				
	HERB	ENLIST ONE	2pt/a	POST	B	2.0L	33.33 mL/mx				
	HERB	LIBERTY	2pt/a	POST	B	2.0L	33.33 mL/mx				
	HERB	EVERPREX	1pt/a	POST	B	2.0L	16.67 mL/mx				
6	HERB	SONIC	4.5oz/a	PRE	A	2.0L	4.493 g/mx	106	203	302	407
	HERB	ENLIST ONE	2pt/a	POST	B	2.0L	33.33 mL/mx				
	HERB	LIBERTY	2pt/a	POST	B	2.0L	33.33 mL/mx				
7	HERB	SONIC	4.5oz/a	PRE	A	2.0L	4.493 g/mx	107	206	308	409
	HERB	ENLIST ONE	2pt/a	POST	B	2.0L	33.33 mL/mx				
	HERB	LIBERTY	2pt/a	POST	B	2.0L	33.33 mL/mx				
	HERB	EVERPREX	1pt/a	POST	B	2.0L	16.67 mL/mx				
8	HERB	BOUNDARY 6.5	1qt/a	PRE	A	2.0L	33.33 mL/mx	108	204	310	408
	HERB	ENLIST ONE	2pt/a	POST	B	2.0L	33.33 mL/mx				
	HERB	LIBERTY	2pt/a	POST	B	2.0L	33.33 mL/mx				
	HERB	EVERPREX	1pt/a	POST	B	2.0L	16.67 mL/mx				
9	HERB	TRIVENCE	8oz/a	PRE	A	2.0L	7.988 g/mx	109	201	309	403
	HERB	ENLIST ONE	2pt/a	POST	B	2.0L	33.33 mL/mx				
	HERB	LIBERTY	2pt/a	POST	B	2.0L	33.33 mL/mx				
10	HERB	AUTHORITY SUPREME	8oz/a	PRE	A	2.0L	8.333 mL/mx	110	202	304	406
	HERB	ENLIST ONE	2pt/a	POST	B	2.0L	33.33 mL/mx				
	HERB	LIBERTY	2pt/a	POST	B	2.0L	33.33 mL/mx				

Sort Order: Replicate 1

Product quantities required for listed treatments and applications of trials included in this table:

Amount*	Unit	Treatment Name	Form Conc	Form Unit	Form Type	Lot Code
41.667	mL	KYBER	2.642	LB/GAL	SC	
375.000	mL	ENLIST ONE	3.8	LBAE/GAL	SL	
375.000	mL	LIBERTY	2.13	LBAE/GAL	SL	
83.333	mL	EVERPREX	7.62	LB/GAL	EC	
2.721	g	CLASSIC	25	%AW/W	WG	
4.394	g	VALOR	51	%AW/W	WG	
10.485	g	METRIBUZIN 75	75	%AW/W	WG	
11.234	g	SONIC	70	%AW/W	WG	
41.667	mL	BOUNDARY 6.5	6.5	LBA/GAL	EC	
9.986	g	TRIVENCE	61.3	%AW/W	WG	
10.417	mL	AUTHORITY SUPREME	4.16	LB/GAL	SC	

* 'Per area' calculations based on application amount= 15 GAL/AC, mix size= 2 L (mix size basis).

* Product amount calculations increased 25 % for overage adjustment.

University of Tennessee

Herbicide - Enlist Soybean - Sales Support - 2021 US

Trial ID: USSG0H1042021	Location: University of Tennessee	Trial Year: 2021
Protocol ID: HAISSUP4-2021US	Investigator (Creator): James Holloway	
Master Protocol ID:	Study Director:	
Official Trial ID:	Sponsor Contact:	
Conducted Under GEP: No	Trial Origin: P public institution trial	

Reps: 4 Plots: 5 by 30 feet
 Appl. Amount: 15 GAL/AC Mix Size: 2 L (total for 4 plots; minimum=0.782 L)

Trt No.	Treatment Type Name	Rate Rate Unit	Appl Timing	Appl Code	Mix Size	Mix Unit	Amt Product to Measure	Rep			
								1	2	3	4
1	CHK UNTREATED CHECK							101	204	302	404
2	ADJ NIS	0.25% v/v	PREEM	A	2.0L		5.0 mL/mx	102	203	301	403
	HERB PREFIX [F]	2030g ai/ha	PREEM	A	2.0L		45.81 mL/mx				
	HERB METRIBUZIN 75 DF	210g ai/ha	PREEM	A	2.0L		3.991 g/mx				
	HERB GRAMOXONE SL 3.0	840g ai/ha	PREEM	A	2.0L		33.26 mL/mx				
	ADJ INTACT	0.5% v/v	POSPOS	B	2.0L		10.0 mL/mx				
	ADJ CLASS ACT RIDION	1% v/v	POSPOS	B	2.0L		20.0 mL/mx				
	HERB ENLIST DUO	930g ae/ha	POSPOS	B	2.0L		33.31 mL/mx				
	HERB DUAL MAGNUM	1780g ai/ha	POSPOS	B	2.0L		27.79 mL/mx				
	HERB ROUNDUP POWERMAX 4.5 SL	1260g ae/ha	POSPOS	B	2.0L		33.26 mL/mx				
3	ADJ NIS	0.25% v/v	PREEM	A	2.0L		5.0 mL/mx	103	202	304	401
	HERB BOUNDARY 6.5 EC	1350g ai/ha	PREEM	A	2.0L		24.75 mL/mx				
	HERB GRAMOXONE SL 3.0	840g ai/ha	PREEM	A	2.0L		33.26 mL/mx				
	ADJ INTACT	0.5% v/v	POSPOS	B	2.0L		10.0 mL/mx				
	ADJ CLASS ACT RIDION	1% v/v	POSPOS	B	2.0L		20.0 mL/mx				
	HERB PREFIX [F]	1720g ai/ha	POSPOS	B	2.0L		38.81 mL/mx				
	HERB ENLIST ONE 3.8 SL	1060g ae/ha	POSPOS	B	2.0L		33.18 mL/mx				
	HERB ROUNDUP POWERMAX 4.5 SL	1260g ae/ha	POSPOS	B	2.0L		33.26 mL/mx				
4	ADJ NIS	0.25% v/v	PREEM	A	2.0L		5.0 mL/mx	104	201	303	402
	HERB BOUNDARY 6.5 EC	1350g ai/ha	PREEM	A	2.0L		24.75 mL/mx				
	HERB GRAMOXONE SL 3.0	840g ai/ha	PREEM	A	2.0L		33.26 mL/mx				
	ADJ INTACT	0.5% v/v	POSPOS	B	2.0L		10.0 mL/mx				
	ADJ CLASS ACT RIDION	1% v/v	POSPOS	B	2.0L		20.0 mL/mx				
	HERB PREFIX [F]	1720g ai/ha	POSPOS	B	2.0L		38.81 mL/mx				
	HERB ENLIST DUO	930g ae/ha	POSPOS	B	2.0L		33.31 mL/mx				
	HERB ROUNDUP POWERMAX 4.5 SL	1260g ae/ha	POSPOS	B	2.0L		33.26 mL/mx				

Sort Order: Replicate 1

Product quantities required for listed treatments and applications of trials included in this table:

Amount*	Unit	Treatment Name	Form Conc	Form Unit	Form Type	Lot Code
18.750	mL	NIS			SL	
154.293	mL	PREFIX [F]	631.68	gA/L	EC	
4.989	g	METRIBUZIN 75 DF	75	%AW/W	DF	
124.725	mL	GRAMOXONE SL 3.0	360	gA/L	SL	
37.500	mL	INTACT			SL	
75.000	mL	CLASS ACT RIDION			SL	
83.269	mL	ENLIST DUO	398	gAE/L	SL	
34.738	mL	DUAL MAGNUM	913	gA/L	EC	
124.725	mL	ROUNDUP POWERMAX 4.5 SL	540	gAE/L	SL	
61.876	mL	BOUNDARY 6.5 EC	777.5	gA/L	EC	
41.479	mL	ENLIST ONE 3.8 SL	455.34	gAE/L	SL	

* 'Per area' calculations based on application amount= 15 GAL/AC, mix size= 2 L (mix size basis).

* Product amount calculations increased 25 % for overage adjustment.

* 'Per volume' calculations use spray volume= 15 GAL/AC, mix size= 2 L.

University of Tennessee

Bayer Corn Portfolio-Coastal/Corn/Grass & Broadleaf/Phyto & Efficacy

Trial ID:HP21USAEOO Location:JACKSON Trial Year:2021
 Protocol ID:HP21USAEOO Investigator (Creator):Dr. Larry Steckel
 Project ID: Study Director:
 Sponsor Contact:

Reps: 4 Plots: 5 by 30 feet
 Appl. Amount: 15 GAL/AC Mix Size: 2 L (total for 4 plots; minimum=0.782 L)

Trt No.	Type	Treatment Name	Rate	Appl Unit	Appl Timing	Mix Code	Mix Size	Mix Unit	Amt Product to Measure	Rep 1	Rep 2	Rep 3	Rep 4
1	CHK	UNTREATED								101	209	306	404
2	HERB	WARRANT	1.5qt/a		PRE	A	2.0L		50.0 mL/mx	102	207	308	409
	HERB	ATRAZINE	1.5qt/a		PRE	A	2.0L		50.0 mL/mx				
3	HERB	CORVUS	5.6oz/a		PRE	A	2.0L		5.833 mL/mx	103	205	302	411
	HERB	ATRAZINE	1.5qt/a		PRE	A	2.0L		50.0 mL/mx				
4	HERB	CORVUS	5.6oz/a		PRE	A	2.0L		5.833 mL/mx	104	212	309	402
	HERB	ATRAZINE	1.5qt/a		PRE	A	2.0L		50.0 mL/mx				
	HERB	WARRANT	1.5qt/a		PRE	A	2.0L		50.0 mL/mx				
5	HERB	ACURON	2.5qt/a		PRE	A	2.0L		83.33 mL/mx	105	203	301	407
6	HERB	ROUNDUP POWERMAX 3	30oz/a		EARLY POST	B	2.0L		31.25 mL/mx	106	208	304	406
	HERB	WARRANT	1.5qt/a		EARLY POST	B	2.0L		50.0 mL/mx				
	HERB	ATRAZINE	1.5qt/a		EARLY POST	B	2.0L		50.0 mL/mx				
	FERT	N-PAK AMS LIQUID	2.5% v/v		EARLY POST	B	2.0L		49.99 mL/mx				
7	HERB	ROUNDUP POWERMAX 3	30oz/a		EARLY POST	B	2.0L		31.25 mL/mx	107	201	311	410
	HERB	HARNESS MAX	1.25qt/a		EARLY POST	B	2.0L		41.67 mL/mx				
	HERB	ATRAZINE	1.5qt/a		EARLY POST	B	2.0L		50.0 mL/mx				
	FERT	N-PAK AMS LIQUID	2.5% v/v		EARLY POST	B	2.0L		49.99 mL/mx				
8	HERB	ROUNDUP POWERMAX 3	30qt/a		EARLY POST	B	2.0L		1000.0 mL/mx	108	204	303	408
	HERB	CAPRENO	3oz/a		EARLY POST	B	2.0L		3.125 mL/mx				
	HERB	ATRAZINE	1.5qt/a		EARLY POST	B	2.0L		50.0 mL/mx				
	FERT	N-PAK AMS LIQUID	2.5% v/v		EARLY POST	B	2.0L		49.99 mL/mx				
9	HERB	ROUNDUP POWERMAX 3	30oz/a		EARLY POST	B	2.0L		31.25 mL/mx	109	206	305	412
	HERB	CAPRENO	3oz/a		EARLY POST	B	2.0L		3.125 mL/mx				
	HERB	ATRAZINE	1.5qt/a		EARLY POST	B	2.0L		50.0 mL/mx				
	HERB	WARRANT	1.5qt/a		EARLY POST	B	2.0L		50.0 mL/mx				
	FERT	N-PAK AMS LIQUID	2.5% v/v		EARLY POST	B	2.0L		49.99 mL/mx				
10	HERB	ROUNDUP POWERMAX 3	30oz/a		EARLY POST	B	2.0L		31.25 mL/mx	110	202	307	405
	HERB	LAUDIS	3oz/a		EARLY POST	B	2.0L		3.125 mL/mx				
	HERB	ATRAZINE	1.5qt/a		EARLY POST	B	2.0L		50.0 mL/mx				
	FERT	N-PAK AMS LIQUID	2.5% v/v		EARLY POST	B	2.0L		49.99 mL/mx				
11	HERB	ROUNDUP POWERMAX 3	30oz/a		EARLY POST	B	2.0L		31.25 mL/mx	111	210	312	403
	HERB	LAUDIS	3oz/a		EARLY POST	B	2.0L		3.125 mL/mx				
	HERB	ATRAZINE	1.5qt/a		EARLY POST	B	2.0L		50.0 mL/mx				
	HERB	WARRANT	1.5qt/a		EARLY POST	B	2.0L		50.0 mL/mx				
	FERT	N-PAK AMS LIQUID	2.5% v/v		EARLY POST	B	2.0L		49.99 mL/mx				
12	HERB	HALEX GT	1.8qt/a		EARLY POST	B	2.0L		60.0 mL/mx	112	211	310	401
	HERB	ATRAZINE	1.5qt/a		EARLY POST	B	2.0L		50.0 mL/mx				
	ADJ	NIS	0.25% v/v		EARLY POST	B	2.0L		4.999 mL/mx				
	FERT	N-PAK AMS LIQUID	2.5% v/v		EARLY POST	B	2.0L		49.99 mL/mx				

Sort Order: Replicate 1

Product quantities required for listed treatments and applications of trials included in this table:

Amount*	Unit	Treatment Name	Form Conc	Form Unit	Form Type	Lot Code
62.500	mL	WARRANT	3	LB/GAL	CS	
624.998	mL	ATRAZINE			SL	
14.583	mL	CORVUS			SC	
249.999	mL	WARRANT			CS	
104.166	mL	ACURON			CS	
1,445.309	mL	ROUNDUP POWERMAX 3			SL	
437.452	mL	N-PAK AMS LIQUID			L	
52.083	mL	HARNESS MAX			SC	
7.812	mL	CAPRENO			SC	

University of Tennessee

BCS-720/Corn/PRE/Grass & Broadleaf/Phyto & Efficacy

Trial ID:HN21USAEOA Location:JACKSON Trial Year:2021
 Protocol ID:HN21USAEOA Investigator (Creator):Dr. Larry Steckel
 Project ID: Study Director:
 Sponsor Contact:

Reps: 4 Plots: 5 by 30 feet
 Appl. Amount: 15 GAL/AC Mix Size: 2 L (total for 4 plots; minimum=0.782 L)

Trt No.	Type	Treatment Name	Rate	Unit	Appl Timing	Appl Code	Mix Size	Mix Unit	Amt Product to Measure	Rep 1	Rep 2	Rep 3	Rep 4
1	CHK	UNTREATED								101	206	305	408
2	HERB	TRIVOLT	15oz/a		PRE	A	2.0L		15.62 mL/mx	102	205	308	406
	HERB	ATRAZINE	1qt/a		PRE	A	2.0L		33.33 mL/mx				
3	HERB	CORVUS	4.5oz/a		PRE	A	2.0L		4.687 mL/mx	103	210	304	405
	HERB	ATRAZINE	1qt/a		PRE	A	2.0L		33.33 mL/mx				
4	HERB	ACURON	2.25qt/a		PRE	A	2.0L		75.0 mL/mx	104	203	307	410
5	HERB	RESICORE	2.25qt/a		PRE	A	2.0L		75.0 mL/mx	105	212	301	409
	HERB	ATRAZINE	1qt/a		PRE	A	2.0L		33.33 mL/mx				
6	HERB	BICEP II MAGNUM	1qt/a		PRE	A	2.0L		33.33 mL/mx	106	207	303	412
7	HERB	TRIVOLT	18.75oz/a		PRE	A	2.0L		19.53 mL/mx	107	201	309	411
	HERB	ATRAZINE	1qt/a		PRE	A	2.0L		33.33 mL/mx				
8	HERB	TRIVOLT	20oz/a		PRE	A	2.0L		20.83 mL/mx	108	211	312	407
	HERB	ATRAZINE	1qt/a		PRE	A	2.0L		33.33 mL/mx				
9	HERB	CORVUS	5.6oz/a		PRE	A	2.0L		5.833 mL/mx	109	204	302	404
	HERB	ATRAZINE	1qt/a		PRE	A	2.0L		33.33 mL/mx				
10	HERB	ACURON	3qt/a		PRE	A	2.0L		100.0 mL/mx	110	209	311	402
11	HERB	RESICORE	3qt/a		PRE	A	2.0L		100.0 mL/mx	111	208	310	403
	HERB	ATRAZINE	1qt/a		PRE	A	2.0L		33.33 mL/mx				
12	HERB	BICEP II MAGNUM	2qt/a		PRE	A	2.0L		66.67 mL/mx	112	202	306	401

Sort Order: Replicate 1

Product quantities required for listed treatments and applications of trials included in this table:

Amount*	Unit	Treatment Name	Form Conc	Form Unit	Form Type	Lot Code
69.987	mL	TRIVOLT			SC	
291.666	mL	ATRAZINE			SL	
13.151	mL	CORVUS			SC	
218.749	mL	ACURON			CS	
218.749	mL	RESICORE			SL	
125.000	mL	BICEP II MAGNUM	5.5	LBA/GAL	SC	

* 'Per area' calculations based on application amount= 15 GAL/AC, mix size= 2 L (mix size basis).

* Product amount calculations increased 25 % for overage adjustment.

University of Tennessee

Acuron GT: Evaluation of weed control, crop tolerance and yield in a two pass system - Mid and South University

Trial ID:USSG0H1002021 Location:University of Tennessee Trial Year:2021
 Protocol ID:HBI008A4-2021US Investigator (Creator):James Holloway
 Master Protocol ID: Study Director:Ryan Lins
 Official Trial ID: Sponsor Contact:Mark Kitt
 Conducted Under GEP:No Trial Origin:P public institution trial

Reps: 4 Plots: 5 by 30 feet
 Appl. Amount: 15 GAL/AC Mix Size: 2 L (total for 4 plots; minimum=0.782 L)

Trt No.	Treatment		Rate	Appl	Appl Mix	Mix	Amt Product to Measure	Rep				
	Type	Name						Rate Unit	Timing	Code	Size Unit	1
1	CHK	UNTREATED CHECK						101	210	306	413	
2	HERB	BICEP II MAGNUM		2470g ai/ha	PRE	A	2.0L	53.35 mL/mx	102	208	305	408
	ADJ	AMSOL		5.85l/ha	V2	B	2.0L	83.39 mL/mx				
	ADJ	NIS		0.25% v/v	V2	B	2.0L	5.0 mL/mx				
	HERB	ACURON GT		2260g ai/ha	V2	B	2.0L	62.63 mL/mx				
3	HERB	LEXAR EZ 3.7 ZC		1870g ai/ha	PRE	A	2.0L	60.06 mL/mx	103	205	309	414
	ADJ	AMSOL		5.85l/ha	V2	B	2.0L	83.39 mL/mx				
	ADJ	NIS		0.25% v/v	V2	B	2.0L	5.0 mL/mx				
	HERB	ACURON GT		2260g ai/ha	V2	B	2.0L	62.63 mL/mx				
4	HERB	SURESTART II 4.25 SC		1040g ai/ha	PRE	A	2.0L	29.11 mL/mx	104	214	312	409
	ADJ	AMSOL		5.85l/ha	V2	B	2.0L	83.39 mL/mx				
	ADJ	NIS		0.25% v/v	V2	B	2.0L	5.0 mL/mx				
	HERB	ACURON GT		2260g ai/ha	V2	B	2.0L	62.63 mL/mx				
5	HERB	HARNESS XTRA 5.6L		2830g ai/ha	PRE	A	2.0L	60.03 mL/mx	105	211	313	411
	ADJ	AMSOL		5.85l/ha	V2	B	2.0L	83.39 mL/mx				
	ADJ	NIS		0.25% v/v	V2	B	2.0L	5.0 mL/mx				
	HERB	ACURON GT		2260g ai/ha	V2	B	2.0L	62.63 mL/mx				
6	HERB	VERDICT 5.57 EC		682g ai/ha	PRE	A	2.0L	14.57 mL/mx	106	212	302	410
	ADJ	AMSOL		5.85l/ha	V2	B	2.0L	83.39 mL/mx				
	ADJ	NIS		0.25% v/v	V2	B	2.0L	5.0 mL/mx				
	HERB	ACURON GT		2260g ai/ha	V2	B	2.0L	62.63 mL/mx				
7	HERB	SURESTART II 4.25 SC		1040g ai/ha	PRE	A	2.0L	29.11 mL/mx	107	209	304	403
	ADJ	AMSOL		5.85l/ha	V2	B	2.0L	83.39 mL/mx				
	HERB	RESICORE 3.29 SC		1150g ai/ha	V2	B	2.0L	41.56 mL/mx				
	HERB	ROUNDUP POWERMAX 4.5 SL		1050g ae/ha	V2	B	2.0L	27.72 mL/mx				
8	HERB	HARNESS XTRA 5.6L		2830g ai/ha	PRE	A	2.0L	60.03 mL/mx	108	207	303	402
	ADJ	AMSOL		5.85l/ha	V2	B	2.0L	83.39 mL/mx				
	HERB	LAUDIS 3.5 SC		92.1g ai/ha	V2	B	2.0L	3.126 mL/mx				
	ADJ	SUPERB HC		0.5% v/v	V2	B	2.0L	10.0 mL/mx				
9	HERB	VERDICT 5.57 EC		487g ai/ha	PRE	A	2.0L	10.41 mL/mx	109	203	314	401
	ADJ	AMSOL		5.85l/ha	V2	B	2.0L	83.39 mL/mx				
	HERB	ARMEZON PRO		845g ai/ha	V2	B	2.0L	18.75 mL/mx				
	HERB	ROUNDUP POWERMAX 4.5 SL		1050g ae/ha	V2	B	2.0L	27.72 mL/mx				
10	HERB	ACURON XR		3470g ai/ha	PRE	A	2.0L	116.5 mL/mx	110	213	301	404
11	HERB	ACURON XR		2980g ai/ha	PRE	A	2.0L	100.0 mL/mx	111	206	308	405
12	HERB	HARNESS MAX 3.85 SC		2530g ai/ha	PRE	A	2.0L	78.06 mL/mx	112	204	310	412
13	HERB	BICEP II MAGNUM		2470g ai/ha	PRE	A	2.0L	53.35 mL/mx	113	201	307	406
	ADJ	AMSOL		5.85l/ha	V2	B	2.0L	83.39 mL/mx				
	ADJ	NIS		0.25% v/v	V2	B	2.0L	5.0 mL/mx				
	HERB	AATREX 4L		1120g ai/ha	V2	B	2.0L	33.26 mL/mx				
14	HERB	HALEX GT 4.38 CS		2200g ai/ha	V2	B	2.0L	59.73 mL/mx				
	HERB	BICEP II MAGNUM		2470g ai/ha	PRE	A	2.0L	53.35 mL/mx	114	202	311	407
	ADJ	AMSOL		5.85l/ha	V2	B	2.0L	83.39 mL/mx				
	ADJ	NIS		0.25% v/v	V2	B	2.0L	5.0 mL/mx				
	HERB	AATREX 4L		1120g ai/ha	V2	B	2.0L	33.26 mL/mx				
	HERB	ACURON GT		2260g ai/ha	V2	B	2.0L	62.63 mL/mx				

Sort Order: Replicate 1

Product quantities required for listed treatments and applications of trials included in this table:

Amount*	Unit	Treatment Name	Form Conc	Form Unit	Form Type	Lot Code
200.046	mL	BICEP II MAGNUM	660.000000	gA/L	SC	

University of Tennessee

CORN PROMOTION BOARD

Trial ID:CPB 2020 - 1 Location:JACKSON Trial Year:2021
 Protocol ID:CPB 2020 Investigator (Creator):Dr. Larry Steckel
 Project ID: Study Director:
 Sponsor Contact:

Reps: 2 Plots: 5 by 30 feet
 Appl. Amount: 15 GAL/AC Mix Size: 2 L (total for 2 plots; minimum=0.391 L)

Trt No.	Type	Treatment Name	Rate	Unit	Appl Timing	Appl Code	Mix Size	Mix Unit	Amt Product to Measure	Rep 1	Rep 2
1	CHK	UNTREATED CHECK								101	203
2	HERB	STEADFAST Q	1.5oz/a		POST	A	2.0L		1.498 g/mx	102	205
	HERB	ATRAZINE	1qt/a		POST	A	2.0L		33.33 mL/mx		
	ADJ	NIS	0.5% v/v		POST	A	2.0L		9.999 mL/mx		
3	HERB	ACCENT Q	0.9oz/a		POST	A	2.0L		0.8987 g/mx	103	202
	HERB	ATRAZINE	1qt/a		POST	A	2.0L		33.33 mL/mx		
	ADJ	NIS	0.5% v/v		POST	A	2.0L		9.999 mL/mx		
4	HERB	CAPRENO	3oz/a		POST	A	2.0L		3.125 mL/mx	104	201
	HERB	ATRAZINE	1qt/a		POST	A	2.0L		33.33 mL/mx		
	ADJ	COC	1.25pt/100 gal		POST	A	2.0L		3.125 mL/mx		
5	HERB	HALEX GT	3.6pt/a		POST	A	2.0L		60.0 mL/mx	105	204
	HERB	ATRAZINE	1qt/a		POST	A	2.0L		33.33 mL/mx		
	ADJ	NIS	0.25% v/v		POST	A	2.0L		4.999 mL/mx		

Sort Order: Replicate 1

Product quantities required for listed treatments and applications of trials included in this table:

Amount*	Unit	Treatment Name	Form Conc	Form Unit	Form Type	Lot Code
1.872	g	STEADFAST Q	37.7	%AW/W	WG	
166.666	mL	ATRAZINE	4	LBA/GAL	F	
31.247	mL	NIS	100	%	SL	
1.123	g	ACCENT Q	54.5	%AW/W	WG	
3.906	mL	CAPRENO	3.45	LB/GAL	SC	
3.906	mL	COC	100	%	SL	
75.000	mL	HALEX GT	4.39	LB/GAL	SC	

* 'Per area' calculations based on application amount= 15 GAL/AC, mix size= 2 L (mix size basis).

* Product amount calculations increased 25 % for overage adjustment.

* 'Per volume' calculations use spray volume= 15 GAL/AC, mix size= 2 L.

University of Tennessee

GROWTH REGULATOR BURNDOWN AND INTERACTIONS WITH GLYPHOSATE AND CLETHODIM

Trial ID:H2021206TN Location:JACKSON Trial Year:2021
 Protocol ID:H2021206TN Investigator (Creator):Dr. Larry Steckel
 Project ID: Study Director:
 Sponsor Contact:

Reps: 4 Plots: 5 by 30 feet
 Appl. Amount: 15 GAL/AC Mix Size: 2 L (total for 4 plots; minimum=0.782 L)

Trt No.	Treatment Type Name	Rate	Rate Unit	Appl Timing	Appl Code	Mix Size	Mix Unit	Amt Product to Measure	Rep 1	2	3	4
1	CHK	Untreated Check							101	208	303	402
2	HERB	ROUNDUP POWERMAX II	32oz/a	2-4" WEEDS	A	2.0L		33.33 mL/mx	102	207	308	404
	HERB	SELECT 2EC	10oz/a	2-4" WEEDS	A	2.0L		10.42 mL/mx				
	ADJ	NIS	0.25% v/v	2-4" WEEDS	A	2.0L		4.999 mL/mx				
	FERT	Ammonium sulfate	8.5lb/100 gal	2-4" WEEDS	A	2.0L		20.37 g/mx				
3	HERB	ROUNDUP POWERMAX II	32oz/a	2-4" WEEDS	A	2.0L		33.33 mL/mx	103	204	301	405
	HERB	SELECT 2EC	10oz/a	2-4" WEEDS	A	2.0L		10.42 mL/mx				
	HERB	ELEVORE	1oz/a	2-4" WEEDS	A	2.0L		1.042 mL/mx				
	HERB	NIS	0.25% v/v	2-4" WEEDS	A	2.0L		4.999 mL/mx				
	HERB	Ammonium sulfate	8.5lb/100 gal	2-4" WEEDS	A	2.0L		20.37 g/mx				
4	HERB	ROUNDUP POWERMAX II	32oz/a	2-4" WEEDS	A	2.0L		33.33 mL/mx	104	205	302	408
	HERB	SELECT 2EC	10oz/a	2-4" WEEDS	A	2.0L		10.42 mL/mx				
	HERB	Spitfire	20oz/a	2-4" WEEDS	A	2.0L		20.83 mL/mx				
	HERB	NIS	0.25% v/v	2-4" WEEDS	A	2.0L		4.999 mL/mx				
	HERB	Ammonium sulfate	8.5lb/100 gal	2-4" WEEDS	A	2.0L		20.37 g/mx				
5	HERB	ROUNDUP POWERMAX II	32oz/a	2-4" WEEDS	A	2.0L		33.33 mL/mx	105	206	305	401
	HERB	SELECT 2EC	10oz/a	2-4" WEEDS	A	2.0L		10.42 mL/mx				
	HERB	Spitfire	32oz/a	2-4" WEEDS	A	2.0L		33.33 mL/mx				
	HERB	NIS	0.25% v/v	2-4" WEEDS	A	2.0L		4.999 mL/mx				
	HERB	Ammonium sulfate	8.5lb/100 gal	2-4" WEEDS	A	2.0L		20.37 g/mx				
6	HERB	ROUNDUP POWERMAX II	32oz/a	2-4" WEEDS	A	2.0L		33.33 mL/mx	106	202	304	403
	HERB	SELECT 2EC	10oz/a	2-4" WEEDS	A	2.0L		10.42 mL/mx				
	HERB	Clash	8oz/a	2-4" WEEDS	A	2.0L		8.333 mL/mx				
	HERB	NIS	0.25% v/v	2-4" WEEDS	A	2.0L		4.999 mL/mx				
	HERB	Ammonium sulfate	8.5lb/100 gal	2-4" WEEDS	A	2.0L		20.37 g/mx				
7	HERB	ROUNDUP POWERMAX II	32oz/a	2-4" WEEDS	A	2.0L		33.33 mL/mx	107	209	306	409
	HERB	SELECT 2EC	10oz/a	2-4" WEEDS	A	2.0L		10.42 mL/mx				
	HERB	Weedone LV4	24oz/a	2-4" WEEDS	A	2.0L		25.0 mL/mx				
	HERB	NIS	0.25% v/v	2-4" WEEDS	A	2.0L		4.999 mL/mx				
	HERB	Ammonium sulfate	8.5lb/100 gal	2-4" WEEDS	A	2.0L		20.37 g/mx				
8	HERB	ROUNDUP POWERMAX II	32oz/a	2-4" WEEDS	A	2.0L		33.33 mL/mx	108	203	307	406
	HERB	SELECT 2EC	10oz/a	2-4" WEEDS	A	2.0L		10.42 mL/mx				
	HERB	NFA-0020104	15.4oz/a	2-4" WEEDS	A	2.0L		16.04 mL/mx				
	HERB	NIS	0.25% v/v	2-4" WEEDS	A	2.0L		4.999 mL/mx				
	HERB	Ammonium sulfate	8.5lb/100 gal	2-4" WEEDS	A	2.0L		20.37 g/mx				
9	HERB	ROUNDUP POWERMAX II	32oz/a	2-4" WEEDS	A	2.0L		33.33 mL/mx	109	201	309	407
	HERB	SELECT 2EC	10oz/a	2-4" WEEDS	A	2.0L		10.42 mL/mx				
	HERB	NFA-0020203	17.1oz/a	2-4" WEEDS	A	2.0L		17.81 mL/mx				
	HERB	NIS	0.25% v/v	2-4" WEEDS	A	2.0L		4.999 mL/mx				
	HERB	Ammonium sulfate	8.5lb/100 gal	2-4" WEEDS	A	2.0L		20.37 g/mx				

Sort Order: Replicate 1

Product quantities required for listed treatments and applications of trials included in this table:

Amount*	Unit	Treatment Name	Form Conc	Form Unit	Form Type	Lot Code
333.333	mL	ROUNDUP POWERMAX II	4.5	LBA/GAL	SL	
104.167	mL	SELECT 2EC	2	LB/GAL	EC	
49.995	mL	NIS	100	%	SL	
203.704	g	Ammonium sulfate	21	% N	SG	
1.302	mL	ELEVORE			SL	
67.708	mL	Spitfire			SL	
10.417	mL	Clash			SL	
31.250	mL	Weedone LV4			SL	
20.052	mL	NFA-0020104			SL	
22.266	mL	NFA-0020203			SL	

University of Tennessee

RESTRAINT UNIVERSITY VISIBILITY

Trial ID:HRESTRAINTVIS2021 Location:JACKSON Trial Year:2021
 Protocol ID:HRESTRAINTVIS2021 Investigator (Creator):Dr. Larry Steckel
 Project ID: Study Director:
 Sponsor Contact:

Reps: 4 Plots: 5 by 30 feet
 Appl. Amount: 15 GAL/AC Mix Size: 2 L (total for 4 plots; minimum=0.782 L)

Trt No.	Type	Treatment Name	Rate	Rate Unit	Appl Timing	Appl Code	Mix Size	Mix Unit	Amt Product to Measure	Rep 1	Rep 2	Rep 3	Rep 4
1	CHK	CHECK								101	204	305	401
2	HERB	RESTRAINT	36oz/a		PRE	A	2.0L		37.5 mL/mx	102	205	304	405
	HERB	ATRAZINE 4L	1qt/a		PRE	A	2.0L		33.33 mL/mx				
	HERB	SHIELDEX	1oz/a		POST	B	2.0L		1.042 mL/mx				
	HERB	ATRAZINE 4L	1qt/a		POST	B	2.0L		33.33 mL/mx				
	ADJ	COC	1% v/v		POST	B	2.0L		20.0 mL/mx				
3	HERB	RESTRAINT	18oz/a		PRE	A	2.0L		18.75 mL/mx	103	202	301	402
	HERB	ATRAZINE 4L	1qt/a		PRE	A	2.0L		33.33 mL/mx				
	HERB	RESTRAINT	18oz/a		POST	B	2.0L		18.75 mL/mx				
	HERB	ATRAZINE 4L	1qt/a		POST	B	2.0L		33.33 mL/mx				
	ADJ	COC	1% v/v		POST	B	2.0L		20.0 mL/mx				
4	HERB	RESICORE	40oz/a		PRE	A	2.0L		41.67 mL/mx	104	203	302	403
	HERB	ATRAZINE 4L	1qt/a		PRE	A	2.0L		33.33 mL/mx				
	HERB	RESTRAINT	30oz/a		POST	B	2.0L		31.25 mL/mx				
	HERB	ATRAZINE 4L	1qt/a		POST	B	2.0L		33.33 mL/mx				
	ADJ	COC	1% v/v		POST	B	2.0L		20.0 mL/mx				
5	HERB	RESICORE	40oz/a		PRE	A	2.0L		41.67 mL/mx	105	201	303	404
	HERB	ATRAZINE 4L	1qt/a		PRE	A	2.0L		33.33 mL/mx				
	HERB	RESICORE	40oz/a		POST	B	2.0L		41.67 mL/mx				
	HERB	ATRAZINE 4L	1qt/a		POST	B	2.0L		33.33 mL/mx				
	ADJ	COC	1% v/v		POST	B	2.0L		20.0 mL/mx				

Sort Order: Replicate 1

Product quantities required for listed treatments and applications of trials included in this table:

Amount*	Unit	Treatment Name	Form Conc	Form Unit	Form Type	Lot Code
132.812	mL	RESTRAINT	6.498	LB/GAL	EC	
333.332	mL	ATRAZINE 4L	4	LB/GAL	EC	
1.302	mL	SHIELDEX	3.33	LBA/GAL	OD	
99.989	mL	COC	100	%	SL	
156.250	mL	RESICORE	3.29	LB/GAL	EC	

* 'Per area' calculations based on application amount= 15 GAL/AC, mix size= 2 L (mix size basis).
 * Product amount calculations increased 25 % for overage adjustment.
 * 'Per volume' calculations use spray volume= 15 GAL/AC, mix size= 2 L.

University of Tennessee

Evaluation of Katagon in 1- and 2-pass herbicide programs in field corn (University) + Evaluation of Helmet Maxx in field corn (University)

Trial ID:2021-H-US16 Location:JACKSON Trial Year:2021
 Protocol ID:2021-H-US16 Investigator (Creator):Dr. Larry Steckel
 Project ID:2021-H-US16 Study Director:Scott Akin, PhD
 Sponsor Contact:

Reps: 4 Plots: 5 by 30 feet
 Appl. Amount: 15 GAL/AC Mix Size: 2 L (total for 4 plots; minimum=0.782 L)

Trt No.	Type	Treatment Name	Rate	Appl Unit	Appl Timing	Mix Code	Mix Size Unit	Amt Product to Measure	Rep 1	Rep 2	Rep 3	Rep 4
1	CHK								101	208	302	408
2	HERB	HELMET	1.33pt/a		PRE	A	2.0L	22.17 mL/mx	102	204	303	401
	HERB	KATAGON	3.2fl oz/a		V4	C	2.0L	3.333 mL/mx				
	ADJ	NIS	0.25% v/v		V4	C	2.0L	4.999 mL/mx				
3	HERB	KATAGON	3.2fl oz/a		V4	C	2.0L	3.333 mL/mx	103	202	306	409
	ADJ	NIS	0.25% v/v		V4	C	2.0L	4.999 mL/mx				
4	HERB	KATAGON	3.2fl oz/a		V4	C	2.0L	3.333 mL/mx	104	201	308	406
	HERB	ATRAZINE 4L	0.5lb ai/a		V4	C	2.0L	16.66 mL/mx				
	ADJ	NIS	0.25% v/v		V4	C	2.0L	4.999 mL/mx				
5	HERB	HELMET MAXX	3qt/a		PRE	A	2.0L	100.0 mL/mx	105	203	304	403
6	HERB	HELMET MAXX	2.25qt/a		V2	B	2.0L	75.0 mL/mx	106	209	301	407
	ADJ	NIS	0.25% v/v		V2	B	2.0L	4.999 mL/mx				
7	HERB	BICEP II MAGNUM	1qt/a		PRE	A	2.0L	33.33 mL/mx	107	206	305	402
	HERB	HALEX GT	3.6pt/a		V4	C	2.0L	60.0 mL/mx				
8	HERB	Verdict	10oz/a		PRE	A	2.0L	10.42 mL/mx	108	207	309	405
	HERB	BICEP II MAGNUM	1qt/a		V4	C	2.0L	33.33 mL/mx				
	ADJ	COC	0.25% v/v		V4	C	2.0L	4.999 mL/mx				
9	HERB	DUAL MAGNUM	1pt/a		PRE	A	2.0L	16.67 mL/mx	109	205	307	404
	HERB	CAPRENO	3oz/a		V4	C	2.0L	3.125 mL/mx				
	HERB	Atrazine	1qt/a		V4	C	2.0L	33.33 mL/mx				
	ADJ	COC	0.25% v/v		V4	C	2.0L	4.999 mL/mx				

Sort Order: Replicate 1

Product quantities required for listed treatments and applications of trials included in this table:

Amount*	Unit	Treatment Name	Form Conc	Form Unit	Form Type	Lot Code
27.708	mL	HELMET	7.8	LB/GAL	EC	
12.500	mL	KATAGON	2	LB/GAL	OD	
24.997	mL	NIS	100	%	SL	
20.831	mL	ATRAZINE 4L	4	LB/GAL	EC	
218.749	mL	HELMET MAXX	3.58	LB/GAL	EC	
83.333	mL	BICEP II MAGNUM	5.5	LBA/GAL	SC	
75.000	mL	HALEX GT	4.39	LB/GAL	SC	
13.021	mL	Verdict	5.57	LBA/GAL	EC	
12.499	mL	COC	100	%	SL	
20.833	mL	DUAL MAGNUM	7.62	LBA/GAL	EC	
3.906	mL	CAPRENO	3.45	LB/GAL	SC	
41.667	mL	Atrazine	4	LBA/GAL	F	

* 'Per area' calculations based on application amount= 15 GAL/AC, mix size= 2 L (mix size basis).

* Product amount calculations increased 25 % for overage adjustment.

* 'Per volume' calculations use spray volume= 15 GAL/AC, mix size= 2 L.

University of Tennessee

AMVAC corn herbicide portfolio showcase for US university locations - coarse to medium soils

Trial ID:21C04H056-ST### Location:JACKSON Trial Year:2021
 Protocol ID:21C04H056 Investigator (Creator):Dr. Larry Steckel
 Project ID:056 Study Director:
 Sponsor Contact:Scott Ludwig

Reps: 4 Plots: 5 by 30 feet
 Appl. Amount: 15 GAL/AC Mix Size: 2 L (total for 4 plots; minimum=0.782 L)

Trt No.	Type	Treatment Name	Rate	Appl Unit	Appl Timing	Mix Code	Mix Size	Mix Unit	Amt to Measure	Rep 1	Rep 2	Rep 3	Rep 4
1	CHK	Untreated Check								101	208	315	404
2	HERB	IMPACT CORE	1.34lb ai/a	V2		B	2.0L		24.99 mL/mx	102	215	311	410
	HERB	AATREX	1.5lb ai/a	V2		B	2.0L		49.99 mL/mx				
	HERB	ROUNDUP POWERMAX	1.13lb ai/a	V2		B	2.0L		33.48 mL/mx				
	ADJ	NIS	0.25% v/v	V2		B	2.0L		4.999 mL/mx				
	ADJ	AMS	2.5lb/a	V2		B	2.0L		39.94 g/mx				
3	HERB	LIBERTY	0.585lb ai/a	MID POST		C	2.0L		33.33 mL/mx	103	202	308	412
	ADJ	AMS	3lb/a	MID POST		C	2.0L		47.93 g/mx				
4	HERB	SINATE	0.48lb ai/a	MID POST		C	2.0L		24.9 mL/mx	104	205	302	413
	ADJ	MSO	1% v/v	MID POST		C	2.0L		20.0 mL/mx				
	ADJ	AMS	3lb/a	MID POST		C	2.0L		47.93 g/mx				
5	HERB	SINATE	0.48lb ai/a	MID POST		C	2.0L		24.9 mL/mx	105	206	312	408
	HERB	AATREX	0.5lb ai/a	MID POST		C	2.0L		16.66 mL/mx				
	ADJ	MSO	1% v/v	MID POST		C	2.0L		20.0 mL/mx				
	ADJ	AMS	3lb/a	MID POST		C	2.0L		47.93 g/mx				
6	HERB	SINATE	0.48lb ai/a	MID POST		C	2.0L		24.9 mL/mx	106	201	307	409
	HERB	DUAL II MAGNUM	1.43lb ai/a	MID POST		C	2.0L		24.95 mL/mx				
	ADJ	MSO	1% v/v	MID POST		C	2.0L		20.0 mL/mx				
	ADJ	AMS	3lb/a	MID POST		C	2.0L		47.93 g/mx				
7	HERB	SINATE	0.48lb ai/a	MID POST		C	2.0L		24.9 mL/mx	107	203	306	405
	HERB	DUAL II MAGNUM	1.43lb ai/a	MID POST		C	2.0L		24.95 mL/mx				
	HERB	AATREX	0.5lb ai/a	MID POST		C	2.0L		16.66 mL/mx				
	ADJ	MSO	1% v/v	MID POST		C	2.0L		20.0 g/mx				
	ADJ	AMS	3lb/a	MID POST		C	2.0L		47.93 g/mx				
8	HERB	BICEP II MAGNUM	2.2lb ai/a	PRE		A	2.0L		53.33 mL/mx	108	210	314	411
	HERB	SINATE	0.48lb ai/a	POST		D	2.0L		24.9 mL/mx				
	ADJ	MSO	1% v/v	POST		D	2.0L		20.0 mL/mx				
	ADJ	AMS	3lb/a	POST		D	2.0L		47.93 g/mx				
9	HERB	BICEP II MAGNUM	2.2lb ai/a	PRE		A	2.0L		53.33 mL/mx	109	211	310	401
	HERB	SINATE	0.48lb ai/a	POST		D	2.0L		24.9 mL/mx				
	HERB	AATREX	1lb ai/a	POST		D	2.0L		33.33 mL/mx				
	ADJ	MSO	1% v/v	POST		D	2.0L		20.0 mL/mx				
	ADJ	AMS	3lb/a	POST		D	2.0L		47.93 g/mx				
10	HERB	BICEP II MAGNUM	2.2lb ai/a	PRE		A	2.0L		53.33 mL/mx	110	212	313	407
	HERB	SINATE	0.56lb ai/a	POST		D	2.0L		29.05 mL/mx				
	ADJ	MSO	1% v/v	POST		D	2.0L		20.0 mL/mx				
	ADJ	AMS	3lb/a	POST		D	2.0L		47.93 g/mx				
11	HERB	BICEP II MAGNUM	2.2lb ai/a	PRE		A	2.0L		53.33 mL/mx	111	213	309	403
	HERB	SINATE	0.56lb ai/a	POST		D	2.0L		29.05 mL/mx				
	HERB	AATREX	1lb ai/a	POST		D	2.0L		33.33 mL/mx				
	ADJ	MSO	1% v/v	POST		D	2.0L		20.0 mL/mx				
	ADJ	AMS	3lb/a	POST		D	2.0L		47.93 g/mx				
12	HERB	BICEP II MAGNUM	2.2lb ai/a	PRE		A	2.0L		53.33 mL/mx	112	204	301	406
	HERB	IMPACT CORE	1.34lb ai/a	POST		D	2.0L		24.99 mL/mx				
	HERB	ROUNDUP POWERMAX	1.13lb ai/a	POST		D	2.0L		33.48 mL/mx				
	HERB	AATREX	1lb ai/a	POST		D	2.0L		33.33 mL/mx				
	ADJ	NIS	0.25% v/v	POST		D	2.0L		4.999 mL/mx				
	ADJ	Ammonium Sulfate	2.5lb/a	POST		D	2.0L		39.94 g/mx				
13	HERB	BICEP II MAGNUM	2.2lb ai/a	PRE		A	2.0L		53.33 mL/mx	113	209	304	415
	HERB	IMPACT	0.0219lb ai/a	POST		D	2.0L		1.043 mL/mx				
	HERB	AATREX	0.5lb ai/a	POST		D	2.0L		16.66 mL/mx				
	ADJ	MSO	1% v/v	POST		D	2.0L		20.0 mL/mx				
	ADJ	AMS	2.5lb/a	POST		D	2.0L		39.94 g/mx				

University of Tennessee

AMVAC corn herbicide portfolio showcase for US university locations - coarse to medium soils

Trial ID:21C04H056-ST### Location:JACKSON Trial Year:2021
 Protocol ID:21C04H056 Investigator (Creator):Dr. Larry Steckel
 Project ID:056 Study Director:
 Sponsor Contact:Scott Ludwig

Reps: 4 Plots: 5 by 30 feet
 Appl. Amount: 15 GAL/AC Mix Size: 2 L (total for 4 plots; minimum=0.782 L)

Trt No.	Treatment Type Name	Rate	Unit	Appl Timing	Appl Code	Mix Size	Mix Unit	Amt Product to Measure	Rep 1	2	3	4
14	HERB BICEP II MAGNUM	2.2lb	ai/a	PRE	A	2.0L		53.33 mL/mx	114	207	305	414
	HERB HALEX GT	1.98lb	ai/a	POST	D	2.0L		60.13 mL/mx				
	HERB AATREX	0.5lb	ai/a	POST	D	2.0L		16.66 mL/mx				
	ADJ NIS	0.25%	v/v	POST	D	2.0L		4.999 mL/mx				
	ADJ AMS	2.5lb/a		POST	D	2.0L		39.94 g/mx				
15	HERB BICEP II MAGNUM	2.2lb	ai/a	PRE	A	2.0L		53.33 mL/mx	115	214	303	402
	HERB IMPACT	0.044lb	ai/a	LATE POST	E	2.0L		2.095 mL/mx				
	ADJ MSO	1%	v/v	LATE POST	E	2.0L		20.0 mL/mx				
	ADJ AMS	2.5lb/a		LATE POST	E	2.0L		39.94 g/mx				

Sort Order: Replicate 1

Product quantities required for listed treatments and applications of trials included in this table:

Amount*	Unit	Treatment Name	Form Conc	Form Unit	Form Type	Lot Code
62.464	mL	IMPACT CORE	7.15	LBA/GAL	EC	
270.804	mL	AATREX	4	LBA/GAL	F	
83.695	mL	ROUNDUP POWERMAX	4.5	LBAE/GAL	SL	
18.748	mL	NIS	100	%	SL	
738.926	g	AMS	100	%	SG	
41.662	mL	LIBERTY	2.34	LBA/GAL	SL	
259.375	mL	SINATE	2.57	LBA/GAL	SL	
224.976	mL	MSO	100	%	SL	
62.384	mL	DUAL II MAGNUM	7.64	LBA/GAL	EC	
24.997	g	MSO	100	%	SG	
533.275	mL	BICEP II MAGNUM	5.5	LBA/GAL	F	
49.927	g	Ammonium Sulfate	100	%	SG	
3.922	mL	IMPACT	2.8	LBA/GAL	F	
75.163	mL	HALEX GT	4.39	LBA/GAL	F	

* 'Per area' calculations based on application amount= 15 GAL/AC, mix size= 2 L (mix size basis).
 * Product amount calculations increased 25 % for overage adjustment.
 * 'Per volume' calculations use spray volume= 15 GAL/AC, mix size= 2 L.

University of Tennessee

SHIELDX UNIVERSITY VISIBILITY

Trial ID: HSHLDXVIS2021 Location: JACKSON Trial Year: 2021
 Protocol ID: HSHLDXVIS2021 Investigator (Creator): Dr. Larry Steckel
 Project ID: Study Director:
 Sponsor Contact:

Reps: 4 Plots: 5 by 30 feet
 Appl. Amount: 15 GAL/AC Mix Size: 2 L (total for 4 plots; minimum=0.782 L)

Trt No.	Treatment Type Name	Rate	Appl Unit	Appl Timing	Mix Code	Mix Size Unit	Amt Product to Measure	Rep 1	2	3	4
1	HERB BICEP II MAGNUM	1.67qt/a		PRE	A	2.0L	55.67 mL/mx	101	204	302	404
2	HERB BICEP II MAGNUM	1.67qt/a		PRE	A	2.0L	55.67 mL/mx	102	201	305	403
	HERB SHIELDX	1oz/a		POST	B	2.0L	1.042 mL/mx				
	HERB AATREX 4L	1qt/a		POST	B	2.0L	33.33 mL/mx				
	ADJ COC	1% v/v		POST	B	2.0L	20.0 mL/mx				
3	HERB BICEP II MAGNUM	1.67qt/a		PRE	A	2.0L	55.67 mL/mx	103	202	306	401
	HERB IMPACT	0.75oz/a		POST	B	2.0L	0.7812 mL/mx				
	HERB AATREX 4L	1qt/a		POST	B	2.0L	33.33 mL/mx				
	ADJ COC	1% v/v		POST	B	2.0L	20.0 mL/mx				
4	HERB BICEP II MAGNUM	1.67qt/a		PRE	A	2.0L	55.67 mL/mx	104	203	304	405
	HERB LAUDIS	3oz/a		POST	B	2.0L	3.125 mL/mx				
	HERB AATREX 4L	1qt/a		POST	B	2.0L	33.33 mL/mx				
	ADJ COC	1% v/v		POST	B	2.0L	20.0 mL/mx				
5	HERB BICEP II MAGNUM	1.67qt/a		PRE	A	2.0L	55.67 mL/mx	105	206	301	406
	HERB SHIELDX	1oz/a		POST	B	2.0L	1.042 mL/mx				
	HERB AATREX 4L	1qt/a		POST	B	2.0L	33.33 mL/mx				
	HERB ROUNDUP POWERMAX 3	30oz/a		POST	B	2.0L	31.25 mL/mx				
6	HERB BICEP II MAGNUM	1.67qt/a		PRE	A	2.0L	55.67 mL/mx	106	205	303	402
	HERB SHIELDX	1oz/a		POST	B	2.0L	1.042 mL/mx				
	HERB AATREX 4L	1qt/a		POST	B	2.0L	33.33 mL/mx				
	HERB LIBERTY 280 SL	32oz/a		POST	B	2.0L	33.33 mL/mx				
	ADJ COC	1% v/v		POST	B	2.0L	20.0 mL/mx				

Sort Order: Replicate 1

Product quantities required for listed treatments and applications of trials included in this table:

Amount*	Unit	Treatment Name	Form Conc	Form Unit	Form Type	Lot Code
417.499	mL	BICEP II MAGNUM	5.5	LBA/GAL	SC	
3.906	mL	SHIELDX	3.33	LBA/GAL	SC	
208.333	mL	AATREX 4L	4	LBA/GAL	SC	
99.989	mL	COC	100	%	SL	
0.977	mL	IMPACT	2.8	LB/GAL	OD	
3.906	mL	LAUDIS	3.5	LB/GAL	OD	
39.062	mL	ROUNDUP POWERMAX 3	5.88	LB/GAL	SL	
41.667	mL	LIBERTY 280 SL	2.34	LBA/GAL	L	

* 'Per area' calculations based on application amount= 15 GAL/AC, mix size= 2 L (mix size basis).

* Product amount calculations increased 25 % for overage adjustment.

* 'Per volume' calculations use spray volume= 15 GAL/AC, mix size= 2 L.