

# University of Tennessee

## Evaluation of Systems to Manage Dicamba - Resistant Palmer Amaranth

Trial ID: D104F-22  
 Protocol ID: DICRESPA  
 Project ID:

Location:  
 Investigator (Creator):  
 Study Director:  
 Sponsor Contact:

Trial Year: 2022

Trt No.	Treatment Type Name	Form Conc	Form Unit	Form Type	Rate	Appl Unit	Appl Timing	Appl Code	Rep 1	Rep 2	Rep 3	Notes
1	HERB Cotoran 4 HERB Dual Magnum	4 7.64	LBA/GAL LB/GAL	F EC	32 fl oz/a 16 fl oz/a	PREEM EAPOWE	A B		101	211	316	
2	HERB Brake HERB Cotoran 4 HERB Dual Magnum	4 4 7.64	LBA/GAL LBA/GAL LB/GAL	AS F EC	16 fl oz/a 24 fl oz/a 16 fl oz/a	PREEM PREEM EAPOWE	A A B		102	218	314	
3	HERB Cotoran 4 HERB Outlook	4 6	LBA/GAL LB/GAL	F L	32 fl oz/a 16 fl oz/a	PREEM EAPOWE	A B		103	221	319	
4	HERB Brake HERB Cotoran 4 HERB Outlook	4 4 6	LBA/GAL LBA/GAL LB/GAL	AS F L	16 fl oz/a 24 fl oz/a 16 fl oz/a	PREEM PREEM EAPOWE	A A B		104	213	311	
5	HERB Cotoran 4 HERB Liberty 280 SL -Glufosinate-Ammonium HERB Roundup PowerMax 3 HERB Dual Magnum ADJ Ammonium Sulfate	4 2.34 2.34 5.88 7.64 100 %	LBA/GAL LB/GAL LB/GAL LBA/GAL LB/GAL %	F SL L L EC SG	32 fl oz/a 43 fl oz/a 43 32 fl oz/a 16 fl oz/a 3 lb/a	PREEM EAPOWE EAPOWE EAPOWE EAPOWE EAPOWE	A B B B B B		105	212	306	
6	HERB Brake HERB Cotoran 4 HERB Liberty 280 SL -Glufosinate-Ammonium HERB Roundup PowerMax 3 HERB Dual Magnum ADJ Ammonium Sulfate	4 4 2.34 2.34 5.88 7.64 100 %	LBA/GAL LBA/GAL LB/GAL LB/GAL LBA/GAL LB/GAL %	AS F SL L L EC SG	16 fl oz/a 24 fl oz/a 43 fl oz/a 43 32 fl oz/a 16 fl oz/a 3 lb/a	PREEM PREEM EAPOWE EAPOWE EAPOWE EAPOWE EAPOWE	A A B B B B B		106	219	301	
7	HERB Cotoran 4 HERB Liberty 280 SL -Glufosinate-Ammonium HERB Roundup PowerMax 3 HERB Outlook ADJ Ammonium Sulfate	4 2.34 2.34 5.88 6 100 %	LBA/GAL LB/GAL LB/GAL LBA/GAL LB/GAL %	F SL L L L SG	32 fl oz/a 43 fl oz/a 43 32 fl oz/a 16 fl oz/a 3 lb/a	PREEM EAPOWE EAPOWE EAPOWE EAPOWE EAPOWE	A B B B B B		107	210	304	
8	HERB Brake HERB Cotoran 4 HERB Liberty 280 SL -Glufosinate-Ammonium HERB Roundup PowerMax 3 HERB Outlook ADJ Ammonium Sulfate	4 4 2.34 2.34 5.88 6 100 %	LBA/GAL LBA/GAL LB/GAL LB/GAL LBA/GAL LB/GAL %	AS F SL L L L SG	16 fl oz/a 24 fl oz/a 43 fl oz/a 43 32 fl oz/a 16 fl oz/a 3 lb/a	PREEM PREEM EAPOWE EAPOWE EAPOWE EAPOWE EAPOWE	A A B B B B B		108	222	324	
9	HERB Cotoran 4 HERB Dual Magnum HERB Zidua SC -PYROXASULFONE	4 7.64 4.17 4.17	LBA/GAL LB/GAL LB/GAL LB/GAL	F EC SC SC	32 fl oz/a 16 fl oz/a 3.2 fl oz/a 3.2	PREEM EAPOWE 17 17	A B C C		109	207	310	
10	HERB Brake HERB Cotoran 4 HERB Dual Magnum HERB Zidua SC -PYROXASULFONE	4 4 7.64 4.17 4.17	LBA/GAL LBA/GAL LB/GAL LB/GAL LB/GAL	AS F EC SC SC	16 fl oz/a 24 fl oz/a 16 fl oz/a 3.2 fl oz/a 3.2	PREEM PREEM EAPOWE 17 17	A A B C C		110	203	322	
11	HERB Cotoran 4 HERB Outlook HERB Zidua SC -PYROXASULFONE	4 6 4.17 4.17	LBA/GAL LB/GAL LB/GAL LB/GAL	F L SC SC	32 fl oz/a 16 fl oz/a 3.2 fl oz/a 3.2	PREEM EAPOWE 17 17	A B C C		111	208	315	
12	HERB Brake HERB Cotoran 4 HERB Outlook HERB Zidua SC -PYROXASULFONE	4 4 6 4.17 4.17	LBA/GAL LBA/GAL LB/GAL LB/GAL LB/GAL	AS F L SC SC	16 fl oz/a 24 fl oz/a 16 fl oz/a 3.2 fl oz/a 3.2	PREEM PREEM EAPOWE 17 17	A A B C C		112	216	303	
13	HERB Cotoran 4 HERB Liberty 280 SL -Glufosinate-Ammonium HERB Roundup PowerMax 3 HERB Dual Magnum ADJ Ammonium Sulfate HERB Zidua SC -PYROXASULFONE	4 2.34 2.34 5.88 7.64 100 % 4.17 4.17	LBA/GAL LB/GAL LB/GAL LBA/GAL LB/GAL % LB/GAL LB/GAL	F SL L L EC SG SC SC	32 fl oz/a 43 fl oz/a 43 32 fl oz/a 16 fl oz/a 3 lb/a 3.2 fl oz/a 3.2	PREEM EAPOWE EAPOWE EAPOWE EAPOWE EAPOWE 17 17	A B B B B B C C		113	205	302	

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Location:  
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 Sponsor Contact:

Trial Year: 2022

Trt No.	Treatment Type Name	Form Conc	Form Unit	Form Type	Rate	Rate Unit	Appl Timing	Appl Code	Rep 1	Rep 2	Rep 3	Notes
14	HERB Brake	4	LBA/GAL	AS	16 fl oz/a		PREEM	A	114	217	320	
	HERB Cotoran 4	4	LBA/GAL	F	24 fl oz/a		PREEM	A				
	HERB Liberty 280 SL	2.34	LB/GAL	SL	43 fl oz/a		EAPOWE	B				
	-Glufosinate-Ammonium	2.34			43							
	HERB Roundup PowerMax 3	5.88	LBA/GAL	L	32 fl oz/a		EAPOWE	B				
	HERB Dual Magnum	7.64	LB/GAL	EC	16 fl oz/a		EAPOWE	B				
	ADJ Ammonium Sulfate	100 %		SG	3 lb/a		EAPOWE	B				
	HERB Zidua SC	4.17	LB/GAL	SC	3.2 fl oz/a	17		C				
	-PYROXASULFONE	4.17			3.2							
15	HERB Cotoran 4	4	LBA/GAL	F	32 fl oz/a		PREEM	A	115	214	313	
	HERB Liberty 280 SL	2.34	LB/GAL	SL	43 fl oz/a		EAPOWE	B				
	-Glufosinate-Ammonium	2.34			43							
	HERB Roundup PowerMax 3	5.88	LBA/GAL	L	32 fl oz/a		EAPOWE	B				
	HERB Outlook	6	LB/GAL	L	16 fl oz/a		EAPOWE	B				
	ADJ Ammonium Sulfate	100 %		SG	3 lb/a		EAPOWE	B				
	HERB Zidua SC	4.17	LB/GAL	SC	3.2 fl oz/a	17		C				
	-PYROXASULFONE	4.17			3.2							
16	HERB Brake	4	LBA/GAL	AS	16 fl oz/a		PREEM	A	116	220	307	
	HERB Cotoran 4	4	LBA/GAL	F	24 fl oz/a		PREEM	A				
	HERB Liberty 280 SL	2.34	LB/GAL	SL	43 fl oz/a		EAPOWE	B				
	-Glufosinate-Ammonium	2.34			43							
	HERB Roundup PowerMax 3	5.88	LBA/GAL	L	32 fl oz/a		EAPOWE	B				
	HERB Outlook	6	LB/GAL	L	16 fl oz/a		EAPOWE	B				
	ADJ Ammonium Sulfate	100 %		SG	3 lb/a		EAPOWE	B				
	HERB Zidua SC	4.17	LB/GAL	SC	3.2 fl oz/a	17		C				
	-PYROXASULFONE	4.17			3.2							
17	HERB Cotoran 4	4	LBA/GAL	F	32 fl oz/a		PREEM	A	117	209	317	
	HERB Dual Magnum	7.64	LB/GAL	EC	16 fl oz/a		EAPOWE	B				
	HERB Zidua SC	4.17	LB/GAL	SC	3.2 fl oz/a	17		C				
	-PYROXASULFONE	4.17			3.2							
	HERB Direx	4	LBA/GAL	F	16 fl oz/a		POSDIR	D				
	HERB MSMA	6	LBA/GAL	SC	42 fl oz/a		POSDIR	D				
18	HERB Brake	4	LBA/GAL	AS	16 fl oz/a		PREEM	A	118	223	309	
	HERB Cotoran 4	4	LBA/GAL	F	24 fl oz/a		PREEM	A				
	HERB Dual Magnum	7.64	LB/GAL	EC	16 fl oz/a		EAPOWE	B				
	HERB Zidua SC	4.17	LB/GAL	SC	3.2 fl oz/a	17		C				
	-PYROXASULFONE	4.17			3.2							
	HERB Direx	4	LBA/GAL	F	16 fl oz/a		POSDIR	D				
	HERB MSMA	6	LBA/GAL	SC	42 fl oz/a		POSDIR	D				
19	HERB Cotoran 4	4	LBA/GAL	F	32 fl oz/a		PREEM	A	119	215	312	
	HERB Outlook	6	LB/GAL	L	16 fl oz/a		EAPOWE	B				
	HERB Zidua SC	4.17	LB/GAL	SC	3.2 fl oz/a	17		C				
	-PYROXASULFONE	4.17			3.2							
	HERB Direx	4	LBA/GAL	F	16 fl oz/a		POSDIR	D				
	HERB MSMA	6	LBA/GAL	SC	42 fl oz/a		POSDIR	D				
20	HERB Brake	4	LBA/GAL	AS	16 fl oz/a		PREEM	A	120	206	308	
	HERB Cotoran 4	4	LBA/GAL	F	24 fl oz/a		PREEM	A				
	HERB Outlook	6	LB/GAL	L	16 fl oz/a		EAPOWE	B				
	HERB Zidua SC	4.17	LB/GAL	SC	3.2 fl oz/a	17		C				
	-PYROXASULFONE	4.17			3.2							
	HERB Direx	4	LBA/GAL	F	16 fl oz/a		POSDIR	D				
	HERB MSMA	6	LBA/GAL	SC	42 fl oz/a		POSDIR	D				
21	HERB Cotoran 4	4	LBA/GAL	F	32 fl oz/a		PREEM	A	121	204	305	
	HERB Liberty 280 SL	2.34	LB/GAL	SL	43 fl oz/a		EAPOWE	B				
	-Glufosinate-Ammonium	2.34			43							
	HERB Roundup PowerMax 3	5.88	LBA/GAL	L	32 fl oz/a		EAPOWE	B				
	HERB Dual Magnum	7.64	LB/GAL	EC	16 fl oz/a		EAPOWE	B				
	ADJ Ammonium Sulfate	100 %		SG	3 lb/a		EAPOWE	B				
	HERB Zidua SC	4.17	LB/GAL	SC	3.2 fl oz/a	17		C				
	-PYROXASULFONE	4.17			3.2							
	HERB Direx	4	LBA/GAL	F	16 fl oz/a		POSDIR	D				
	HERB MSMA	6	LBA/GAL	SC	42 fl oz/a		POSDIR	D				

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## Evaluation of Systems to Manage Dicamba - Resistant Palmer Amaranth

Trial ID: D104F-22	Location:	Trial Year: 2022
Protocol ID: DICRESPA	Investigator (Creator):	
Project ID:	Study Director:	
	Sponsor Contact:	

Trt No.	Treatment Type Name	Form Conc	Form Unit	Form Type	Rate	Rate Unit	Appl Timing	Appl Code	Rep 1	Rep 2	Rep 3	Notes
22	HERB Brake	4	LBA/GAL	AS	16	fl oz/a	PREEM	A	122	224	318	
	HERB Cotoran 4	4	LBA/GAL	F	24	fl oz/a	PREEM	A				
	HERB Liberty 280 SL	2.34	LB/GAL	SL	43	fl oz/a	EAPOWE	B				
	-Glufosinate-Ammonium	2.34			43							
	HERB Roundup PowerMax 3	5.88	LBA/GAL	L	32	fl oz/a	EAPOWE	B				
	HERB Dual Magnum	7.64	LB/GAL	EC	16	fl oz/a	EAPOWE	B				
	ADJ Ammonium Sulfate	100	%	SG	3	lb/a	EAPOWE	B				
	HERB Zidua SC	4.17	LB/GAL	SC	3.2	fl oz/a	17	C				
	-PYROXASULFONE	4.17			3.2							
	HERB Direx	4	LBA/GAL	F	16	fl oz/a	POSDIR	D				
HERB MSMA	6	LBA/GAL	SC	42	fl oz/a	POSDIR	D					
23	HERB Cotoran 4	4	LBA/GAL	F	32	fl oz/a	PREEM	A	123	201	321	
	HERB Liberty 280 SL	2.34	LB/GAL	SL	43	fl oz/a	EAPOWE	B				
	-Glufosinate-Ammonium	2.34			43							
	HERB Roundup PowerMax 3	5.88	LBA/GAL	L	32	fl oz/a	EAPOWE	B				
	HERB Outlook	6	LB/GAL	L	16	fl oz/a	EAPOWE	B				
	ADJ Ammonium Sulfate	100	%	SG	3	lb/a	EAPOWE	B				
	HERB Zidua SC	4.17	LB/GAL	SC	3.2	fl oz/a	17	C				
	-PYROXASULFONE	4.17			3.2							
	HERB Direx	4	LBA/GAL	F	16	fl oz/a	POSDIR	D				
	HERB MSMA	6	LBA/GAL	SC	42	fl oz/a	POSDIR	D				
24	HERB Brake	4	LBA/GAL	AS	16	fl oz/a	PREEM	A	124	202	323	
	HERB Cotoran 4	4	LBA/GAL	F	24	fl oz/a	PREEM	A				
	HERB Liberty 280 SL	2.34	LB/GAL	SL	43	fl oz/a	EAPOWE	B				
	-Glufosinate-Ammonium	2.34			43							
	HERB Roundup PowerMax 3	5.88	LBA/GAL	L	32	fl oz/a	EAPOWE	B				
	HERB Outlook	6	LB/GAL	L	16	fl oz/a	EAPOWE	B				
	ADJ Ammonium Sulfate	100	%	SG	3	lb/a	EAPOWE	B				
	HERB Zidua SC	4.17	LB/GAL	SC	3.2	fl oz/a	17	C				
	-PYROXASULFONE	4.17			3.2							
	HERB Direx	4	LBA/GAL	F	16	fl oz/a	POSDIR	D				
HERB MSMA	6	LBA/GAL	SC	42	fl oz/a	POSDIR	D					

Sort Order: Replicate 1

# University of Tennessee

## High Load Warrant/POST/Cotton/Safety & Yield

Trial ID: HN22USAEOGTAM3    TD Number: LOCALCREATED    Protocol Edition No.: 1.03  
 Project ID: MD-NATIONAL  
 Project Number(s): 0 % MDCPPROT    % 100 % MDCPPROT  
 Protocol Developer:  
 License User:

Entry No.	Entry Type	Entry/Trt. Description	Form. Type	AI Conc. Unit	Dose Unit	Dose Unit	Appl. Timing	Appl. Code	Rep 1	2	3	4	Notes
1	PRODUCT	WARRANT	CS	359 GA/L	1259 g a/ha		PREPRE A		101	204	305	408	
	PRODUCT	XTENDIMAX VAPORGRIP	LF	350 GA/L	562.6 g a/ha		PREPRE A						
	PRODUCT	VAPORGRIP XTRA AGENT	SL	394 GA/L	576 g a/ha		PREPRE A						
	PRODUCT	ROUNDUP POWERMAX 3	SL	575 GA/L	1260 g a/ha		EAPOCR B						
	PRODUCT	LIBERTY 280	SL	280 GA/L	655 g a/ha		EAPOCR B						
	FERTIL	N-PAK AMS LIQUID	XL	34 %AW/W	2.5 % v/v		EAPOCR B						
	PRODUCT	ROUNDUP POWERMAX 3	SL	575 GA/L	1260 g a/ha		MIPOWE C						
	FERTIL	N-PAK AMS LIQUID	XL	34 %AW/W	2.5 % v/v		MIPOWE C						
2	PRODUCT	WARRANT	CS	359 GA/L	1259 g a/ha		PREPRE A		102	207	308	404	
	PRODUCT	XTENDIMAX VAPORGRIP	LF	350 GA/L	562.6 g a/ha		PREPRE A						
	PRODUCT	VAPORGRIP XTRA AGENT	SL	394 GA/L	576 g a/ha		PREPRE A						
	PRODUCT	WARRANT	CS	359 GA/L	1259 g a/ha		EAPOCR B						
	PRODUCT	ROUNDUP POWERMAX 3	SL	575 GA/L	1260 g a/ha		EAPOCR B						
	PRODUCT	LIBERTY 280	SL	280 GA/L	655 g a/ha		EAPOCR B						
	FERTIL	N-PAK AMS LIQUID	XL	34 %AW/W	2.5 % v/v		EAPOCR B						
	PRODUCT	ROUNDUP POWERMAX 3	SL	575 GA/L	1260 g a/ha		MIPOWE C						
3	PRODUCT	WARRANT	CS	359 GA/L	1259 g a/ha		PREPRE A		103	206	311	409	
	PRODUCT	XTENDIMAX VAPORGRIP	LF	350 GA/L	562.6 g a/ha		PREPRE A						
	PRODUCT	VAPORGRIP XTRA AGENT	SL	394 GA/L	576 g a/ha		PREPRE A						
	PRODUCT	MON 301668	CS	553 GA/L	1260 g a/ha		EAPOCR B						
	PRODUCT	ROUNDUP POWERMAX 3	SL	575 GA/L	1260 g a/ha		EAPOCR B						
	PRODUCT	LIBERTY 280	SL	280 GA/L	655 g a/ha		EAPOCR B						
	FERTIL	N-PAK AMS LIQUID	XL	34 %AW/W	2.5 % v/v		EAPOCR B						
	PRODUCT	ROUNDUP POWERMAX 3	SL	575 GA/L	1260 g a/ha		MIPOWE C						
4	PRODUCT	WARRANT	CS	359 GA/L	1259 g a/ha		PREPRE A		104	205	301	403	
	PRODUCT	XTENDIMAX VAPORGRIP	LF	350 GA/L	562.6 g a/ha		PREPRE A						
	PRODUCT	VAPORGRIP XTRA AGENT	SL	394 GA/L	576 g a/ha		PREPRE A						
	PRODUCT	ACC 553 CS 9205	CS	553 GA/L	1260 g a/ha		EAPOCR B						
	PRODUCT	ROUNDUP POWERMAX 3	SL	575 GA/L	1260 g a/ha		EAPOCR B						
	PRODUCT	LIBERTY 280	SL	280 GA/L	655 g a/ha		EAPOCR B						
	FERTIL	N-PAK AMS LIQUID	XL	34 %AW/W	2.5 % v/v		EAPOCR B						
	PRODUCT	ROUNDUP POWERMAX 3	SL	575 GA/L	1260 g a/ha		MIPOWE C						
5	PRODUCT	WARRANT	CS	359 GA/L	1259 g a/ha		PREPRE A		105	209	303	410	
	PRODUCT	XTENDIMAX VAPORGRIP	LF	350 GA/L	562.6 g a/ha		PREPRE A						
	PRODUCT	VAPORGRIP XTRA AGENT	SL	394 GA/L	576 g a/ha		PREPRE A						
	PRODUCT	ACC 553 CS 9206	CS	553 GA/L	1260 g a/ha		EAPOCR B						
	PRODUCT	ROUNDUP POWERMAX 3	SL	575 GA/L	1260 g a/ha		EAPOCR B						
	PRODUCT	LIBERTY 280	SL	280 GA/L	655 g a/ha		EAPOCR B						
	FERTIL	N-PAK AMS LIQUID	XL	34 %AW/W	2.5 % v/v		EAPOCR B						
	PRODUCT	ROUNDUP POWERMAX 3	SL	575 GA/L	1260 g a/ha		MIPOWE C						
6	PRODUCT	WARRANT	CS	359 GA/L	1259 g a/ha		PREPRE A		106	211	302	411	
	PRODUCT	XTENDIMAX VAPORGRIP	LF	350 GA/L	562.6 g a/ha		PREPRE A						
	PRODUCT	VAPORGRIP XTRA AGENT	SL	394 GA/L	576 g a/ha		PREPRE A						
	PRODUCT	DUAL MAGNUM	EC	912 GA/L	1066 g a/ha		EAPOCR B						
	PRODUCT	ROUNDUP POWERMAX 3	SL	575 GA/L	1260 g a/ha		EAPOCR B						
	PRODUCT	LIBERTY 280	SL	280 GA/L	655 g a/ha		EAPOCR B						
	FERTIL	N-PAK AMS LIQUID	XL	34 %AW/W	2.5 % v/v		EAPOCR B						
	PRODUCT	ROUNDUP POWERMAX 3	SL	575 GA/L	1260 g a/ha		MIPOWE C						
7	PRODUCT	WARRANT	CS	359 GA/L	1259 g a/ha		PREPRE A		107	202	304	402	
	PRODUCT	XTENDIMAX VAPORGRIP	LF	350 GA/L	562.6 g a/ha		PREPRE A						
	PRODUCT	VAPORGRIP XTRA AGENT	SL	394 GA/L	576 g a/ha		PREPRE A						
	PRODUCT	WARRANT	CS	359 GA/L	1259 g a/ha		EAPOCR B						
	PRODUCT	ROUNDUP POWERMAX 3	SL	575 GA/L	1260 g a/ha		EAPOCR B						
	PRODUCT	XTENDIMAX VAPORGRIP	LF	350 GA/L	562.6 g a/ha		EAPOCR B						
	PRODUCT	INTACT	XL	43.2 %AW/W	0.5 % v/v		EAPOCR B						
	PRODUCT	VAPORGRIP XTRA AGENT	SL	394 GA/L	576 g a/ha		EAPOCR B						
	PROD_ADJ	CLASS ACT RIDION	XL	100 %AW/W	1 % v/v		EAPOCR B						
	PRODUCT	ROUNDUP POWERMAX 3	SL	575 GA/L	1260 g a/ha		MIPOWE C						
	PRODUCT	LIBERTY 280	SL	280 GA/L	655 g a/ha		MIPOWE C						
FERTIL	N-PAK AMS LIQUID	XL	34 %AW/W	2.5 % v/v		MIPOWE C							

# University of Tennessee

## High Load Warrant/POST/Cotton/Safety & Yield

Trial ID: HN22USAEOGTAM3 TD Number: LOCALCREATED Protocol Edition No.: 1.03  
 Project ID: MD-NATIONAL  
 Project Number(s): 0 % MDCPPROT % 100 % MDCPPROT  
 Protocol Developer:  
 License User:

Entry No.	Entry Type	Entry/Trt. Description	Form. Type	AI Conc. Unit	Dose Unit	Dose Unit	Appl. Timing	Appl. Code	Rep 1	2	3	4	Notes
8	PRODUCT	WARRANT	CS	359 GA/L	1259 g a/ha	1259 g a/ha	PREPRE A	A	108	203	307	406	
	PRODUCT	XTENDIMAX VAPORGRIP	LF	350 GA/L	562.6 g a/ha	562.6 g a/ha	PREPRE A	A					
	PRODUCT	VAPORGRIP XTRA AGENT	SL	394 GA/L	576 g a/ha	576 g a/ha	PREPRE A	A					
	PRODUCT	MON 301668	CS	553 GA/L	1260 g a/ha	1260 g a/ha	EAPOCR B	B					
	PRODUCT	ROUNDUP POWERMAX 3	SL	575 GA/L	1260 g a/ha	1260 g a/ha	EAPOCR B	B					
	PRODUCT	XTENDIMAX VAPORGRIP	LF	350 GA/L	562.6 g a/ha	562.6 g a/ha	EAPOCR B	B					
	PRODUCT	INTACT	XL	43.2 %AW/W	0.5 % v/v	0.5 % v/v	EAPOCR B	B					
	PRODUCT	VAPORGRIP XTRA AGENT	SL	394 GA/L	576 g a/ha	576 g a/ha	EAPOCR B	B					
	PROD_ADJ	CLASS ACT RIDION	XL	100 %AW/W	1 % v/v	1 % v/v	EAPOCR B	B					
	PRODUCT	ROUNDUP POWERMAX 3	SL	575 GA/L	1260 g a/ha	1260 g a/ha	MIPOWE C	C					
	PRODUCT	LIBERTY 280	SL	280 GA/L	655 g a/ha	655 g a/ha	MIPOWE C	C					
	FERTIL	N-PAK AMS LIQUID	XL	34 %AW/W	2.5 % v/v	2.5 % v/v	MIPOWE C	C					
9	PRODUCT	WARRANT	CS	359 GA/L	1259 g a/ha	1259 g a/ha	PREPRE A	A	109	201	310	401	
	PRODUCT	XTENDIMAX VAPORGRIP	LF	350 GA/L	562.6 g a/ha	562.6 g a/ha	PREPRE A	A					
	PRODUCT	VAPORGRIP XTRA AGENT	SL	394 GA/L	576 g a/ha	576 g a/ha	PREPRE A	A					
	PRODUCT	ACC 553 CS 9205	CS	553 GA/L	1260 g a/ha	1260 g a/ha	EAPOCR B	B					
	PRODUCT	ROUNDUP POWERMAX 3	SL	575 GA/L	1260 g a/ha	1260 g a/ha	EAPOCR B	B					
	PRODUCT	XTENDIMAX VAPORGRIP	LF	350 GA/L	562.6 g a/ha	562.6 g a/ha	EAPOCR B	B					
	PRODUCT	INTACT	XL	43.2 %AW/W	0.5 % v/v	0.5 % v/v	EAPOCR B	B					
	PRODUCT	VAPORGRIP XTRA AGENT	SL	394 GA/L	576 g a/ha	576 g a/ha	EAPOCR B	B					
	PROD_ADJ	CLASS ACT RIDION	XL	100 %AW/W	1 % v/v	1 % v/v	EAPOCR B	B					
	PRODUCT	ROUNDUP POWERMAX 3	SL	575 GA/L	1260 g a/ha	1260 g a/ha	MIPOWE C	C					
	PRODUCT	LIBERTY 280	SL	280 GA/L	655 g a/ha	655 g a/ha	MIPOWE C	C					
	FERTIL	N-PAK AMS LIQUID	XL	34 %AW/W	2.5 % v/v	2.5 % v/v	MIPOWE C	C					
10	PRODUCT	WARRANT	CS	359 GA/L	1259 g a/ha	1259 g a/ha	PREPRE A	A	110	208	309	407	
	PRODUCT	XTENDIMAX VAPORGRIP	LF	350 GA/L	562.6 g a/ha	562.6 g a/ha	PREPRE A	A					
	PRODUCT	VAPORGRIP XTRA AGENT	SL	394 GA/L	576 g a/ha	576 g a/ha	PREPRE A	A					
	PRODUCT	ACC 553 CS 9206	CS	553 GA/L	1260 g a/ha	1260 g a/ha	EAPOCR B	B					
	PRODUCT	ROUNDUP POWERMAX 3	SL	575 GA/L	1260 g a/ha	1260 g a/ha	EAPOCR B	B					
	PRODUCT	XTENDIMAX VAPORGRIP	LF	350 GA/L	562.6 g a/ha	562.6 g a/ha	EAPOCR B	B					
	PRODUCT	INTACT	XL	43.2 %AW/W	0.5 % v/v	0.5 % v/v	EAPOCR B	B					
	PRODUCT	VAPORGRIP XTRA AGENT	SL	394 GA/L	576 g a/ha	576 g a/ha	EAPOCR B	B					
	PROD_ADJ	CLASS ACT RIDION	XL	100 %AW/W	1 % v/v	1 % v/v	EAPOCR B	B					
	PRODUCT	ROUNDUP POWERMAX 3	SL	575 GA/L	1260 g a/ha	1260 g a/ha	MIPOWE C	C					
	PRODUCT	LIBERTY 280	SL	280 GA/L	655 g a/ha	655 g a/ha	MIPOWE C	C					
	FERTIL	N-PAK AMS LIQUID	XL	34 %AW/W	2.5 % v/v	2.5 % v/v	MIPOWE C	C					
11	PRODUCT	WARRANT	CS	359 GA/L	1259 g a/ha	1259 g a/ha	PREPRE A	A	111	210	306	405	
	PRODUCT	XTENDIMAX VAPORGRIP	LF	350 GA/L	562.6 g a/ha	562.6 g a/ha	PREPRE A	A					
	PRODUCT	VAPORGRIP XTRA AGENT	SL	394 GA/L	576 g a/ha	576 g a/ha	PREPRE A	A					
	PRODUCT	DUAL MAGNUM	EC	912 GA/L	1066 g a/ha	1066 g a/ha	EAPOCR B	B					
	PRODUCT	ROUNDUP POWERMAX 3	SL	575 GA/L	1260 g a/ha	1260 g a/ha	EAPOCR B	B					
	PRODUCT	XTENDIMAX VAPORGRIP	LF	350 GA/L	562.6 g a/ha	562.6 g a/ha	EAPOCR B	B					
	PRODUCT	INTACT	XL	43.2 %AW/W	0.5 % v/v	0.5 % v/v	EAPOCR B	B					
	PRODUCT	VAPORGRIP XTRA AGENT	SL	394 GA/L	576 g a/ha	576 g a/ha	EAPOCR B	B					
	PROD_ADJ	CLASS ACT RIDION	XL	100 %AW/W	1 % v/v	1 % v/v	EAPOCR B	B					
	PRODUCT	ROUNDUP POWERMAX 3	SL	575 GA/L	1260 g a/ha	1260 g a/ha	MIPOWE C	C					
	PRODUCT	LIBERTY 280	SL	280 GA/L	655 g a/ha	655 g a/ha	MIPOWE C	C					
	FERTIL	N-PAK AMS LIQUID	XL	34 %AW/W	2.5 % v/v	2.5 % v/v	MIPOWE C	C					

Sort Order: Replicate 1

# University of Tennessee

## BRAKE ON FERTILIZER FOR IN-SEASON COTTON APPLICATION

Trial ID: sepro 22      Location: JACKSON      Trial Year: 2022  
 Protocol ID: SEPRO    Investigator (Creator)  
 Project ID:              Study Director:  
                                  Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate	Appl Unit	Appl Timing	Appl Code	Rep 1	Rep 2	Rep 3	Rep 4	Notes
1	CHK Untreated Check								101	206	301	406	
2	HERB COTORAN 4L	4 LBA/GAL	F		1 pt/a		PRE	A	102	201	304	405	
	HERB CAPAROL 4L	4 LBA/GAL	F		1 pt/a		PRE	A					
	HERB BRAKE	1.2 LB/GAL	SC		16 oz/a	6 LF	B						
	FERT triple		SG		300 lb/a	6 LF	B						
3	HERB COTORAN 4L	4 LBA/GAL	F		1 pt/a		PRE	A	103	202	306	403	
	HERB CAPAROL 4L	4 LBA/GAL	F		1 pt/a		PRE	A					
	HERB BRAKE	1.2 LB/GAL	SC		16 oz/a	6 LF	B						
	FERT triple		SG		400 lb/a	6 LF	B						
4	HERB COTORAN 4L	4 LBA/GAL	F		1 pt/a		PRE	A	104	205	302	404	
	HERB CAPAROL 4L	4 LBA/GAL	F		1 pt/a		PRE	A					
	HERB BRAKE	1.2 LB/GAL	SC		16 oz/a	6 LF	B						
	FERT triple		SG		500 lb/a	6 LF	B						
5	HERB COTORAN 4L	4 LBA/GAL	F		1 pt/a		PRE	A	105	203	305	402	
	HERB CAPAROL 4L	4 LBA/GAL	F		1 pt/a		PRE	A					
	HERB BRAKE	1.2 LB/GAL	SC		16 oz/a	6 LF	B						
	FERT triple		SG		600 lb/a	6 LF	B						
6	HERB COTORAN 4L	4 LBA/GAL	F		1 pt/a		PRE	A	106	204	303	401	
	HERB CAPAROL 4L	4 LBA/GAL	F		1 pt/a		PRE	A					
	HERB ZIDUA SC	4.17 LB/GAL	SC		3.2 oz/a	6 LF	B						
	-PYROXASULFONE	4.17			3.2								
	FERT Ammonium sulfate	21 % N	SG		250 lb/a	6 LF	B						
	-N	9.8			117								
	-S	11.2			133								

Sort Order: Replicate 1

# University of Tennessee

**Anthem Flex layby, directed, and fertilizer impregnation applications for residual grass and broadleaf weed control in cotton.**  
 Trial ID: USA-22-054      Location: Larry Steckel      Trial Year: 2022 Protocol ID: Utigator (Creator): Dr.  
 Project ID:      Study Directo.  
 Sponsor Contact:

Trt No.	Treatment Type Name	Form Conc	Form Unit	Form Type	Rate	Appl Unit	Appl Timing	Appl Code	Rep 1	2	3	4	Notes
1	HERB COTORAN 4L	4	LB/GAL	SC	24 fl oz/a		PRE	A	101	202	306	402	
	HERB CAPAROL	4	LB/GAL	F	24 fl oz/a		PRE	A					
2	HERB COTORAN 4L	4	LB/GAL	SC	32 fl oz/a		PRE	A	102	204	302	406	
	HERB CAPAROL	4	LB/GAL	F	24 fl oz/a		PRE	A					
	HERB ANTHEM FLEX	4	LB/GAL	SE	3.0 fl oz/a		IMPREG FERT D	D					
	FERT AMSUL	100	%W/W	GR	200 lb/a		IMPREG FERT D	D					
	HERB XTENDIMAX	2.9	LBAE/GAL	SL	22 fl oz/a		BRDCST	C					
	HERB ROUNDUP POWERMAX	5.5	LB/GAL	SL	32 fl oz/a		BRDCST	C					
3	HERB COTORAN 4L	4	LB/GAL	SC	32 fl oz/a		PRE	A	103	206	303	405	
	HERB CAPAROL	4	LB/GAL	F	24 fl oz/a		PRE	A					
	HERB ANTHEM FLEX	4	LB/GAL	SE	3.8 fl oz/a		IMPREG FERT D	D					
	FERT AMSUL	100	%W/W	GR	200 lb/a		IMPREG FERT D	D					
	HERB XTENDIMAX	2.9	LBAE/GAL	SL	22 fl oz/a		BRDCST	C					
	HERB ROUNDUP POWERMAX	5.5	LB/GAL	SL	32 fl oz/a		BRDCST	C					
4	HERB COTORAN 4L	4	LB/GAL	SC	32 fl oz/a		PRE	A	104	201	304	401	
	HERB CAPAROL	4	LB/GAL	F	24 fl oz/a		PRE	A					
	HERB XTENDIMAX	2.9	LBAE/GAL	SL	22 fl oz/a		BRDCST	C					
	HERB ROUNDUP POWERMAX	5.5	LB/GAL	SL	32 fl oz/a		BRDCST	C					
	HERB ANTHEM FLEX	4	LB/GAL	SE	3 fl oz/a		HOODED	B					
5	HERB COTORAN 4L	4	LB/GAL	SC	32 fl oz/a		PRE	A	105	203	305	404	
	HERB CAPAROL	4	LB/GAL	F	24 fl oz/a		PRE	A					
	HERB XTENDIMAX	2.9	LBAE/GAL	SL	22 fl oz/a		BRDCST	C					
	HERB ROUNDUP POWERMAX	5.5	LB/GAL	SL	32 fl oz/a		BRDCST	C					
6	HERB COTORAN 4L	4	LB/GAL	SC	32 fl oz/a		PRE	A	106	205	301	403	
	HERB CAPAROL	4	LB/GAL	F	24 fl oz/a		PRE	A					
	HERB XTENDIMAX	2.9	LBAE/GAL	SL	22 fl oz/a		BRDCST	C					
	HERB ROUNDUP POWERMAX	5.5	LB/GAL	SL	32 fl oz/a		BRDCST	C					
	HERB DUAL MAGNUM	7.62	LB/GAL	EC	16 fl oz/a		BRDCST	C					

Sort Order: Replicate 1

# University of Tennessee

## Envoke and tank mix combinations with dicamba and glyphosate applied over the top of cotton

Trial ID: amavacxt      Location:      Trial Year: 2022  
 Protocol ID:      Investigator (Creator):  
 Project ID:      Study Director:

Trt No.	Treatment Type Name	Form Conc	Form Unit	Form Type	Rate	Rate Unit	Appl Timing	Appl Code	Rep 1	Rep 2	Rep 3	Rep 4	Notes
1	HERB Envoke ADJ NIS	75 %	AW/W	WG	0.075 oz	wt/a	POST	A	101	208	309	401	
		100 %		SL	0.25 %	v/v	POST	A					
2	HERB Envoke ADJ NIS	75 %	AW/W	WG	0.125 oz	wt/a	POST	A	102	206	308	402	
		100 %		SL	0.25 %	v/v	POST	A					
3	HERB Envoke HERB Roundup PowerMax 3	75 %	AW/W	WG	0.075 oz	wt/a	POST	A	103	201	302	407	
		4.8 LBAE/GAL		SL	30 oz/a		POST	A					
4	HERB Envoke HERB Roundup PowerMax 3	75 %	AW/W	WG	0.125 oz	wt/a	POST	A	104	203	304	409	
		4.8 LBAE/GAL		SL	30 oz/a		POST	A					
5	HERB Envoke HERB Engenia HERB Roundup PowerMax 3	75 %		WG	0.075 oz	wt/a	POST	A	105	209	307	403	
		5 LBAE/GAL		SL	12.8 oz/a		POST	A					
		4.8 LBAE/GAL		SL	30 oz/a		POST	A					
6	HERB Envoke HERB Engenia HERB Roundup PowerMax 3	75 %		WG	0.125 oz	wt/a	POST	A	106	204	305	404	
		5 LBAE/GAL		SL	12.8 oz/a		POST	A					
		4.8 LBAE/GAL		SL	30 oz/a		POST	A					
7	HERB Envoke HERB Engenia HERB Roundup PowerMax 3 HERB Dual II Magnum	75 %		WG	0.075 oz	wt/a	POST	A	107	202	301	408	
		5 LBAE/GAL		SL	12.8 oz/a		POST	A					
		4.8 LBAE/GAL		SL	30 oz/a		POST	A					
		7.62 %		EC	16 oz/a		POST	A					
8	HERB Envoke HERB Engenia HERB Roundup PowerMax 3 HERB Warrant	75 %		WG	0.075 oz	wt/a	POST	A	108	207	306	405	
		5 LBAE/GAL		SL	12.8 oz/a		POST	A					
		4.8 LBAE/GAL		SL	30 oz/a		POST	A					
		3 LBA/GAL		L	64 oz/a		POST	A					
9	CHK NTC								109	205	303	406	

Sort Order: Replicate 1



# University of Tennessee

Type PG Year Cty Pl.No. Ver. Rev. Cty Reg No.  
 Trial ID: MKD H 2022 US F99 A 06.0 US UTN 001 GEP:  
 Title: EVALUATION OF PROWL H2O POST TIMING IN COTTON 3D Crop/LWA: N No  
 GEP Guideline: Crop Destruct Required?: N None / no  
 Short Trial ID: H22F99A-UTN001 Licensee:

Trt	Typ	Product/Entry Name	Form Conc	Conc Unit	Product FO	Prod Rate	Prod Unit	Appl Code	Appl Time	Rep 1	2	3	4	Notes
1	C	CHECK						A	NA1	101	205	308	403	
	H	ROUNDUP POWERMAX II	540.0	GA/L	SL	32.0	fl oz/a	A	NA1					
	H	LIBERTY 280 SL	281.8	GA/L	SL	43.0	fl oz/a	A	NA1					
	S	AMS2000	100.0	%	SG	8.5	lb/100 gal	A	NA1					
	I	ACEPHATE 90 SP	90.0	%	SP	0.5	lb/a	A	NA1					
2	H	PROWL H2O	455.0	GA/L	CS	33.6	fl oz/a	A	NA1	102	206	304	407	
	H	ROUNDUP POWERMAX II	540.0	GA/L	SL	32.0	fl oz/a	A	NA1					
	H	LIBERTY 280 SL	281.8	GA/L	SL	43.0	fl oz/a	A	NA1					
	S	AMS2000	100.0	%	SG	8.5	lb/100 gal	A	NA1					
	I	ACEPHATE 90 SP	90.0	%	SP	0.5	lb/a	A	NA1					
3	H	PROWL H2O	455.0	GA/L	CS	67.2	fl oz/a	A	NA1	103	201	303	401	
	H	ROUNDUP POWERMAX II	540.0	GA/L	SL	32.0	fl oz/a	A	NA1					
	H	LIBERTY 280 SL	281.8	GA/L	SL	43.0	fl oz/a	A	NA1					
	S	AMS2000	100.0	%	SG	8.5	lb/100 gal	A	NA1					
	I	ACEPHATE 90 SP	90.0	%	SP	0.5	lb/a	A	NA1					
4	H	DUAL II MAGNUM	917.0	GA/L	EC	21.3	fl oz/a	A	NA1	104	208	305	408	
	H	ROUNDUP POWERMAX II	540.0	GA/L	SL	32.0	fl oz/a	A	NA1					
	H	LIBERTY 280 SL	281.8	GA/L	SL	43.0	fl oz/a	A	NA1					
	S	AMS2000	100.0	%	SG	8.5	lb/100 gal	A	NA1					
	I	ACEPHATE 90 SP	90.0	%	SP	0.5	lb/a	A	NA1					
5	C	CHECK						B	NA1	105	203	302	405	
	H	ROUNDUP POWERMAX II	540.0	GA/L	SL	32.0	fl oz/a	B	NA1					
	H	ENGENIA	600.0	GA/L	SL	12.8	fl oz/a	B	NA1					
	S	AEGOS	703.0	GA/L	SL	8.0	fl oz/a	B	NA1					
	I	ACEPHATE 90 SP	90.0	%	SP	0.5	lb/a	B	NA1					
6	H	PROWL H2O	455.0	GA/L	CS	33.6	fl oz/a	B	NA1	106	207	306	404	
	H	ROUNDUP POWERMAX II	540.0	GA/L	SL	32.0	fl oz/a	B	NA1					
	H	ENGENIA	600.0	GA/L	SL	12.8	fl oz/a	B	NA1					
	S	AEGOS	703.0	GA/L	SL	8.0	fl oz/a	B	NA1					
	I	ACEPHATE 90 SP	90.0	%	SP	0.5	lb/a	B	NA1					
7	H	PROWL H2O	455.0	GA/L	CS	67.2	fl oz/a	B	NA1	107	202	301	402	
	H	ROUNDUP POWERMAX II	540.0	GA/L	SL	32.0	fl oz/a	B	NA1					
	H	ENGENIA	600.0	GA/L	SL	12.8	fl oz/a	B	NA1					
	S	AEGOS	703.0	GA/L	SL	8.0	fl oz/a	B	NA1					
	I	ACEPHATE 90 SP	90.0	%	SP	0.5	lb/a	B	NA1					
8	H	DUAL II MAGNUM	917.0	GA/L	EC	21.3	fl oz/a	B	NA1	108	204	307	406	
	H	ROUNDUP POWERMAX II	540.0	GA/L	SL	32.0	fl oz/a	B	NA1					
	H	ENGENIA	600.0	GA/L	SL	12.8	fl oz/a	B	NA1					
	S	AEGOS	703.0	GA/L	SL	8.0	fl oz/a	B	NA1					
	I	ACEPHATE 90 SP	90.0	%	SP	0.5	lb/a	B	NA1					

Sort Order: Replicate 1

# University of Tennessee

## METRIBUZIN RATE TITRATION IN SOYBEANS

Trial ID: SMTZRATES      Location:  
 Protocol ID: SMTZRATES    Investigator (Creator):  
 Project ID:                    Study Director:  
    Sponsor Contact:

Trial Year: 2022

Trt No.	Treatment Type Name	Form Conc	Form Unit	Form Type	Rate	Rate Unit	Appl Timing	Appl Code	Rep 1	Rep 2	Rep 3	Rep 4	Notes
1	CHK CHECK								101	207	310	414	
2	CHK HANDWEEDED CHECK								102	217	305	409	
3	HERB METRICOR DF	75 %AW/W	WG		0.1875 lb ai/a		PRE	A	103	205	318	405	
4	HERB METRICOR DF	75 %AW/W	WG		0.2343 lb ai/a		PRE	A	104	210	307	416	
5	HERB METRICOR DF	75 %AW/W	WG		0.2812 lb ai/a		PRE	A	105	201	316	412	
6	HERB METRICOR DF	75 %AW/W	WG		0.3282 lb ai/a		PRE	A	106	211	313	404	
7	HERB METRICOR DF	75 %AW/W	WG		0.375 lb ai/a		PRE	A	107	204	315	408	
8	HERB METRICOR DF	75 %AW/W	WG		0.4218 lb ai/a		PRE	A	108	214	312	413	
9	HERB METRICOR DF	75 %AW/W	WG		0.4687 lb ai/a		PRE	A	109	216	317	415	
10	HERB METRICOR DF	75 %AW/W	WG		0.5156 lb ai/a		PRE	A	110	203	311	418	
11	HERB METRICOR DF	75 %AW/W	WG		0.5625 lb ai/a		PRE	A	111	209	303	401	
12	HERB METRICOR DF	75 %AW/W	WG		0.6093 lb ai/a		PRE	A	112	206	302	417	
13	HERB METRICOR DF	75 %AW/W	WG		0.6562 lb ai/a		PRE	A	113	208	314	411	
14	HERB METRICOR DF	75 %AW/W	WG		0.7031 lb ai/a		PRE	A	114	215	301	402	
15	HERB METRICOR DF	75 %AW/W	WG		0.75 lb ai/a		PRE	A	115	213	306	410	
16	HERB SPARTAN 4F	4 LBA/GAL	SC		0.375 lb ai/a		PRE	A	116	202	308	403	
17	HERB DUAL MAGNUM (7.62EC)	7.62 LBA/GAL	EC		1.59485 lb ai/a		PRE	A	117	218	309	407	
18	CHK CHECK								118	212	304	406	

Sort Order: Replicate 1

# University of Tennessee

Sida

Trial ID: sida      Location: jackson  
 Protocol ID: sida    Investigator (Creator):  
 Project ID:            Study Director:  
                              Sponsor Contact:

Trial Year: 2022

Trt No.	Treatment Type Name	Form Conc	Form Unit	Form Type	Rate	Appl Unit	Appl Timing	Appl Code	Rep 1	Rep 2	Rep 3	Rep 4	Notes
1	CHK CHECK								101	205	303	405	
2	HERB BOUNDARY 6.5	6.5	LBA/GAL	EC	32 oz/a		PRE	A	102	201	306	401	
	HERB ROUNDUP POWERMAX 3 -GLYPHOSATE	5.88	LB/GAL	SL	30 oz/a		POST	B					
	HERB ENGENIA	5	LBAE/GAL	SL	12.8 oz/a		POST	B					
3	HERB BOUNDARY 6.5	6.5	LBA/GAL	EC	32 oz/a		PRE	A	103	204	305	404	
	HERB ROUNDUP POWERMAX 3 -GLYPHOSATE	5.88	LB/GAL	SL	30 oz/a		POST	B					
	HERB ENGENIA	5	LBAE/GAL	SL	12.8 oz/a		POST	B					
	HERB PYTHON	0.80	LB/GAL	WG	0.10 oz/a		POST	B					
4	HERB BOUNDARY 6.5	6.5	LBA/GAL	EC	32 oz/a		PRE	A	104	202	304	402	
	HERB ROUNDUP POWERMAX 3 -GLYPHOSATE	5.88	LB/GAL	SL	30 oz/a		POST	B					
	HERB ENGENIA	5	LBAE/GAL	SL	12.8 oz/a		POST	B					
	HERB PYTHON	0.80	LB/GAL	WG	0.20 oz/a		POST	B					
5	HERB BOUNDARY 6.5	6.5	LBA/GAL	EC	32 oz/a		PRE	A	105	206	302	406	
	HERB ROUNDUP POWERMAX 3 -GLYPHOSATE	5.88	LB/GAL	SL	30 oz/a		POST	B					
	HERB ENGENIA	5	LBAE/GAL	SL	12.8 oz/a		POST	B					
	HERB PYTHON	0.80	LB/GAL	WG	0.30 oz/a		POST	B					
6	HERB BOUNDARY 6.5	6.5	LBA/GAL	EC	32 oz/a		PRE	A	106	203	301	403	
	HERB ROUNDUP POWERMAX 3 -GLYPHOSATE	5.88	LB/GAL	SL	30 oz/a		POST	B					
	HERB ENGENIA	5	LBAE/GAL	SL	12.8 oz/a		POST	B					
	HERB CLASSIC	25	%AW/W	WG	0.5 oz/a		POST	B					

Sort Order: Replicate 1

# University of Tennessee

## SIDA COTOTN

Trial ID: SIDACT      Location: JACKSON  
 Protocol ID: SIDACT    Investigator (Creator):  
 Project ID:              Study Director:  
                                  Sponsor Contact:

Trial Year: 2022

Trt No.	Treatment Type Name	Form Conc	Form Unit	Form Type	Rate	Appl Unit	Appl Timing	Appl Code	Rep 1	Rep 2	Rep 3	Rep 4	Notes
1	CHK CHECK								101	203	301	403	
2	HERB COTORAN 4L	4	LBA/GAL	F	24 oz/a		PRE	A	102	204	302	405	
	HERB CAPAROL 4L	4	LBA/GAL	F	24 oz/a		PRE	A					
	HERB ROUNDUP POWERMAX 3	5.88	LB/GAL	SL	30 oz/a		POST	B					
	-GLYPHOSATE	5.88			30								
	HERB ENGENIA	5	LBAE/GAL	SL	12.8 oz/a		POST	B					
3	HERB COTORAN 4L	4	LBA/GAL	F	24 oz/a		PRE	A	103	201	303	402	
	HERB STAPLE LX	3.2	LB/GAL	L	3 oz/a		PRE	A					
	HERB ROUNDUP POWERMAX 3	5.88	LB/GAL	SL	30 oz/a		POST	B					
	-GLYPHOSATE	5.88			30								
	HERB ENGENIA	5	LBAE/GAL	SL	12.8 oz/a		POST	B					
4	HERB COTORAN 4L	4	LBA/GAL	F	24 oz/a		PRE	A	104	205	304	401	
	HERB CAPAROL 4L	4	LBA/GAL	F	24 oz/a		PRE	A					
	HERB ROUNDUP POWERMAX 3	5.88	LB/GAL	SL	30 oz/a		POST	B					
	-GLYPHOSATE	5.88			30								
	HERB ENGENIA	5	LBAE/GAL	SL	12.8 oz/a		POST	B					
	HERB STAPLE LX	3.2	LB/GAL	L	3 oz/a		POST	B					
5	HERB COTORAN 4L	4	LBA/GAL	F	24 oz/a		PRE	A	105	202	305	404	
	HERB STAPLE LX	3.2	LB/GAL	L	3 oz/a		PRE	A					
	HERB ROUNDUP POWERMAX 3	5.88	LB/GAL	SL	30 oz/a		POST	B					
	-GLYPHOSATE	5.88			30								
	HERB ENGENIA	5	LBAE/GAL	SL	12.8 oz/a		POST	B					
	HERB STAPLE LX	3.2	LB/GAL	L	3 oz/a		POST	B					

Sort Order: Replicate 1

# University of Tennessee

Protocol No.: NA22K1A005H	Trial ID: NA22K1A005H 2022	
Discipline: HERBICIDE	DED#: K1A	Trial Name:
Trial Category: EFFICACY/CROP TOL		Main Chem: 2,4-D
Trial Type: NATURAL-COM		Prod. Dev. Stage: COMMERCIAL
Plan Year: 2022		Site Type: CROPS,OILSEED
		Country: UNITED STATES

Title: University Enlist Weed Control System Endorsement Demo-Pre fb POST

Business Unit: US NORTHERN CROPS ARM License Holder:

Trt Num	Appl Code	Treatment Name	Form Conc	Conc Unit	Form Type	Rate	Rate Unit	Appl Timing	Rep 1	2	3	4	Notes
1	A	OUTLOOK	720 g ai/l	720	EC	673 g ai/ha	673	PRE	101	207	301	402	
		-dimethenamid	720			673							
	B	Enlist One	456 g ae/l	456	SL	1070 g ae/ha	1070	4" WEEDS					
		-2,4-D choline salt	456			1070							
	B	LIBERTY	255.92 g ae/l	255.92	SL	600 g ae/ha	600	4" WEEDS					
		-glufosinate-ammonium	255.92			600							
2	A	OUTLOOK	720 g ai/l	720	EC	673 g ai/ha	673	PRE	102	202	303	403	
		-dimethenamid	720			673							
	B	Enlist One	456 g ae/l	456	SL	1070 g ae/ha	1070	4" WEEDS					
		-2,4-D choline salt	456			1070							
	B	Roundup PowerMAX 3	575 g ae/l	575	SL	1120 g ae/ha	1120	4" WEEDS					
		-glyphosate-potassium	575			1120							
3	A	OUTLOOK	720 g ai/l	720	EC	673 g ai/ha	673	PRE	103	206	307	405	
		-dimethenamid	720			673							
	B	Enlist One	456 g ae/l	456	SL	1070 g ae/ha	1070	4" WEEDS					
		-2,4-D choline salt	456			1070							
	B	LIBERTY	255.92 g ae/l	255.92	SL	600 g ae/ha	600	4" WEEDS					
		-glufosinate-ammonium	255.92			600							
	B	EverpreX	913.07 g ai/l	913.07	EC	1070 g ai/ha	1070	4" WEEDS					
		-S-Metolachlor	913.07			1070							
4	A	OUTLOOK	720 g ai/l	720	EC	673 g ai/ha	673	PRE	104	204	304	404	
		-dimethenamid	720			673							
	B	Enlist One	456 g ae/l	456	SL	1070 g ae/ha	1070	4" WEEDS					
		-2,4-D choline salt	456			1070							
	B	Roundup PowerMAX 3	575 g ae/l	575	SL	1120 g ae/ha	1120	4" WEEDS					
		-glyphosate-potassium	575			1120							
	B	EverpreX	913.07 g ai/l	913.07	EC	1070 g ai/ha	1070	4" WEEDS					
		-S-Metolachlor	913.07			1070							
	B	AMSOL			L	2.5 % v/v		4" WEEDS					
		Enlist One	456 g ae/l	456	SL	1070 g ae/ha	1070	15DAAB					
5	A	OUTLOOK	720 g ai/l	720	EC	673 g ai/ha	673	PRE	105	205	306	407	
		-dimethenamid	720			673							
	B	Enlist One	456 g ae/l	456	SL	1070 g ae/ha	1070	4" WEEDS					
		-2,4-D choline salt	456			1070							
	B	LIBERTY	255.92 g ae/l	255.92	SL	600 g ae/ha	600	4" WEEDS					
		-glufosinate-ammonium	255.92			600							
	B	EverpreX	913.07 g ai/l	913.07	EC	1070 g ai/ha	1070	4" WEEDS					
		-S-Metolachlor	913.07			1070							
	B	AMSOL			L	2.5 % v/v		4" WEEDS					
		Enlist One	456 g ae/l	456	SL	1070 g ae/ha	1070	15DAAB					

# University of Tennessee

Protocol No.: NA22K1A005H	Trial ID: NA22K1A005H 2022
Discipline: HERBICIDE	DED#: K1A
Trial Category: EFFICACY/CROP TOL	Prod. Dev. Stage: COMMERCIAL
Trial Type: NATURAL-COM	Site Type: CROPS,OILSEED
Plan Year: 2022	Country: UNITED STATES
Title: University Enlist Weed Control System Endorsement Demo-Pre fb POST	
Business Unit: US NORTHERN CROPS ARM License Holder:	

Trt Num	Appl Code	Treatment Name	Form Conc	Unit	Form Type	Rate	Unit	Appl Timing	Rep 1	Rep 2	Rep 3	Rep 4	Notes
6	A	OUTLOOK	720	g ai/l	EC	673	g ai/ha	PRE	106	203	302	406	
		-dimethenamid	720			673							
	B	Roundup PowerMAX 3	575	g ae/l	SL	1120	g ae/ha	4" WEEDS					
		-glyphosate-potassium	575			1120							
	B	LIBERTY	255.92	g ae/l	SL	600	g ae/ha	4" WEEDS					
		-glufosinate-ammonium	255.92			600							
	B	EverpreX	913.07	g ai/l	EC	1070	g ai/ha	4" WEEDS					
		-S-Metolachlor	913.07			1070							
	B	AMSOL			L	2.5	% v/v	4" WEEDS					
7	ABC	UNTREATED							107	201	305	401	

Sort Order: Replicate 1

# University of Tennessee

## ENLIST AND LL CROPPING SYSTEMS

Trial ID: VALENT 22 Location: JACKSON  
 Protocol ID: VALENT Investigator (Creator):  
 Project ID: Study Director:  
 Sponsor Contact:

Trt No.	Treatment Type Name	Form Conc	Form Unit	Form Type	Rate	Rate Unit	Appl Timing	Appl Code	Rep 1	Rep 2	Rep 3	Rep 4	Notes
1	CHK CHECK								101	202	303	402	
2	HERB ENLIST ONE	3.8	LBAE/GAL	SL	1	pt/a	PRE	A	102	204	301	403	
	HERB ROUNDUP POWERMAX 3 -GLYPHOSATE	5.88	LB/GAL	SL	1	qt/a	PRE	A					
	HERB FIERCE EZ	3.04	LB/GAL	SC	6	oz/a	PRE	A					
	ADJ INDUCE	100	%	SF	0.25	% v/v	PRE	A					
	HERB ENLIST ONE	3.8	LBAE/GAL	SL	1	pt/a	POST	B					
	HERB ROUNDUP POWERMAX 3 -GLYPHOSATE	5.88	LB/GAL	SL	1	qt/a	POST	B					
	HERB PERPETUO	2.3	LB/GAL	SC	6	oz/a	POST	B					
	HERB SELECT MAX	0.97	LB/GAL	EC	9	oz/a	POST	B					
	FERT AMS			SG	1.5	lb/a	POST	B					
	ADJ INDUCE	100	%	SF	0.25	% v/v	POST	B					
3	HERB ENLIST ONE	3.8	LBAE/GAL	SL	1	pt/a	PRE	A	103	205	302	404	
	HERB ROUNDUP POWERMAX 3 -GLYPHOSATE	5.88	LB/GAL	SL	1	qt/a	PRE	A					
	HERB FIRSTRATE	84	%	WG	0.6	oz wt/a	PRE	A					
	ADJ INDUCE	100	%	SF	0.25	% v/v	PRE	A					
	HERB ENLIST ONE	3.8	LBAE/GAL	SL	1	pt/a	POST	B					
	HERB ROUNDUP POWERMAX 3 -GLYPHOSATE	5.88	LB/GAL	SL	1	qt/a	POST	B					
	HERB PERPETUO	2.3	LB/GAL	SC	6	oz/a	POST	B					
	HERB SELECT MAX	0.97	LB/GAL	EC	9	oz/a	POST	B					
	FERT AMS			SG	3	lb/a	POST	B					
	ADJ INDUCE	100	%	SF	0.25	% v/v	POST	B					
4	HERB FIERCE EZ	3.04	LB/GAL	SC	6	oz/a	PRE	A	104	201	305	401	
	HERB SCOUT			SL	32	oz/a	POST	B					
	HERB PERPETUO	2.3	LB/GAL	SC	6	oz/a	POST	B					
	HERB SELECT MAX	0.97	LB/GAL	EC	9	oz/a	POST	B					
	FERT AMS			SG	3	lb/a	POST	B					
	ADJ INDUCE	100	%	SF	0.25	% v/v	POST	B					
5	HERB FIERCE MTZ	2.64	LB/GAL	SC	16	oz/a	PRE	A	105	203	304	405	
	HERB SCOUT			SL	32	oz/a	POST	B					
	HERB PERPETUO	2.3	LB/GAL	SC	6	oz/a	POST	B					
	HERB SELECT MAX	0.97	LB/GAL	EC	9	oz/a	POST	B					
	FERT AMS			SG	3	lb/a	POST	B					
	ADJ INDUCE	100	%	SF	0.25	% v/v	POST	B					

Sort Order: Replicate 1

# University of Tennessee

## Envoke and tank mix combinations with Enlist one and Enlist Duo applied over the top of cotton

Trial ID: AMVAC ENVOKE	Location:	Trial Year: 2022
Protocol ID:	Investigator (Creator)	
Project ID:	Study Director:	
	Sponsor Contact:	

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate	Rate Unit	Appl Timing	Appl Code	Rep 1	2	3	4	Notes
1	HERB Envoke ADJ NIS	75 % 100 %	AW/W %	WG SL	0.075 0.25	oz wt/a % v/v	POST POST	A A	101	202	307	403	
2	HERB Envoke ADJ NIS	75 % 100 %	AW/W %	WG SL	0.125 0.25	oz wt/a % v/v	POST POST	A A	102	205	306	401	
3	HERB Envoke HERB Roundup PowerMax 3	75 % 4.8	AW/W LBAE/GAL	WG SL	0.075 30	oz wt/a oz/a	POST POST	A A	103	201	309	410	
4	HERB Envoke HERB Roundup PowerMax 3	75 % 4.8	AW/W LBAE/GAL	WG SL	0.125 30	oz wt/a oz/a	POST POST	A A	104	206	301	402	
5	HERB Envoke HERB Liberty	75 % 2.34	AW/W LBA/GAL	WG SL	0.075 32	oz wt/a oz/a	POST POST	A A	105	207	303	405	
6	HERB Envoke HERB Liberty	75 % 2.34	AW/W LBA/GAL	WG SL	0.125 32	oz wt/a oz/a	POST POST	A A	106	209	310	411	
7	HERB Enlist One HERB Roundup PowerMax 3	3.8 % 4.8	 LBAE/GAL	S SL	32 30	oz/a oz/a	POST POST	A A	107	210	304	406	
8	HERB Envoke HERB Enlist One HERB Roundup PowerMax 3	75 % 3.8 % 4.8	  LBAE/GAL	WG S SL	0.125 32 30	oz wt/a oz/a oz/a	POST POST POST	A A A	108	211	308	404	
9	HERB Envoke HERB Enlist One HERB Roundup PowerMax 3 HERB Dual Magnum -S-METOLACHLOR	75 % 3.8 % 4.8 7.62 7.62	  LBAE/GAL LBA/GAL %	WG S SL EC L	0.075 32 30 16 16	oz wt/a oz/a oz/a oz/a oz/a	POST POST POST POST POST	A A A A A	109	203	302	407	
10	HERB Envoke HERB Enlist One HERB Roundup PowerMax 3 HERB Warrant	75 % 3.8 % 4.8 3	  LBAE/GAL LBA/GAL	WG S SL L	0.075 32 30 64	oz wt/a oz/a oz/a oz/a	POST POST POST POST	A A A A	110	208	311	409	
11	CHK NTC								111	204	305	408	

Sort Order: Replicate 1



# University of Tennessee

Trial ID: SYNCORN22	Location: JACKSON	<b>SYNGENTA CORN</b>	Trial Year: 2022
Protocol ID: SYNCORN22	Investigator (Creator):		
Project ID:	Study Director:		
	Sponsor Contact:		

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate	Rate Unit	Appl Timing	Appl Code	Rep 1	Rep 2	Rep 3	Rep 4	Notes
1	CHK Untreated Check								101	203	301	402	
2	HERB BICEP II MAGNUM	5.5	LBA/GAL	SC	2.1	qt/a	PRE	A	102	201	305	404	
	HERB ACURON GT			ZC	3.75	pt/a	POST	B					
	HERB AATREX 4L	4	LBA/GAL	SC	1	qt/a	POST	B					
	ADJ NIS	100	%	SL	0.25	% v/v	POST	B					
3	HERB BICEP II MAGNUM	5.5	LBA/GAL	SC	2.1	qt/a	PRE	A	103	205	304	405	
	HERB HALEX GT			CS	3.6	pt/a	POST	B					
	HERB AATREX 4L	4	LBA/GAL	SC	1	qt/a	POST	B					
	ADJ NIS	100	%	SL	0.25	% v/v	POST	B					
4	HERB VERDICT	5.57	LBA/GAL	EC	7.50	oz/a	PRE	A	104	202	303	401	
	HERB ROUNDUP POWERMAX 3	5.88	LB/GAL	SL	1	qt/a	POST	B					
	-GLYPHOSATE	5.88			1								
	HERB ARMEZON PRO	5.26	LB/GAL	SC	16	oz/a	POST	B					
	HERB AATREX 4L	4	LBA/GAL	SC	1	qt/a	POST	B					
	ADJ NIS	100	%	SL	0.25	% v/v	POST	B					
5	HERB WARRANT	3	LB/GAL	CS	48	oz/a	PRE	A	105	204	302	403	
	HERB ROUNDUP POWERMAX 3	5.88	LB/GAL	SL	1	qt/a	POST	B					
	-GLYPHOSATE	5.88			1								
	HERB CAPRENO	3.45	LB/GAL	SC	3	oz/a	POST	B					
	HERB AATREX 4L	4	LBA/GAL	SC	1	qt/a	POST	B					
	ADJ NIS	100	%	SL	0.25	% v/v	POST	B					

Sort Order: Replicate 1

# University of Tennessee

## SC617 Tank-Mixtures/PRE/Corn/Safety and Efficacy

Trial ID: HN22USAEOTAM2    TD Number: LOCALCREATED    Protocol Edition No.: 1.02  
 Project ID: MD-NATIONAL  
 Project Number(s): 0 % MDCPPROT % 100 % MDCPPROT  
 Protocol Developer:  
 License User:

Entry No.	Entry Type	Entry/Trt. Description	Form. AI Type	AI Conc. Unit	Dose Unit	Dose	Appl. Timing	Appl. Code	Rep 1	2	3	4	Notes
1	PRODUCT	UNTREATED							101	203	306	404	
2	PRODUCT	DFF+IFT+CSA	SC	617 GA/L	288.5 g a/ha	PREPRE A			102	208	301	410	
3	PRODUCT	DFF+IFT+CSA	SC	617 GA/L	577 g a/ha	PREPRE A			103	205	302	405	
4	PRODUCT	DFF+IFT+CSA	SC	617 GA/L	288.5 g a/ha	PREPRE A			104	210	303	401	
	PRODUCT	ATRAZINE	SL	480 GA/L	1122 g a/ha	PREPRE A							
5	PRODUCT	DFF+IFT+CSA	SC	617 GA/L	577 g a/ha	PREPRE A			105	201	308	409	
	PRODUCT	ATRAZINE	SL	480 GA/L	2245 g a/ha	PREPRE A							
6	PRODUCT	DFF+IFT+CSA	SC	617 GA/L	288.5 g a/ha	PREPRE A			106	202	307	406	
	PRODUCT	HARNESS	EC	839 GA/L	981 g a/ha	PREPRE A							
7	PRODUCT	DFF+IFT+CSA	SC	617 GA/L	288.5 g a/ha	PREPRE A			107	204	305	402	
	PRODUCT	DEGREE EXTRA	SL	485 GA/L	2835 g a/ha	PREPRE A							
8	PRODUCT	FFA+IFT+TCM+CSA	SC	489.8 GA/L	716 g a/ha	PREPRE A			108	206	304	408	
	PRODUCT	ATRAZINE	SL	480 GA/L	1122 g a/ha	PREPRE A							
9	PRODUCT	RESICORE	SL	394.4 GA/L	2767 g a/ha	PREPRE A			109	207	309	403	
	PRODUCT	ATRAZINE	SL	480 GA/L	1122 g a/ha	PREPRE A							
10	PRODUCT	ACURON	CS	425.6 GA/L	2986 g a/ha	PREPRE A			110	209	310	407	

Sort Order: Replicate 1

# University of Tennessee

## TriVolt Programs/PRE/Corn/Safety and Efficacy

Trial ID: HP22USAEOTAM2    TD Number: LOCALCREATED    Protocol Edition No.: 1.01  
 Project ID: MD-NATIONAL  
 Project Number(s): 0 % MDCPPROT % 100 % MDCPPROT  
 Protocol Developer:  
 License User:

Entry No.	Entry Type	Entry/Trt. Description	Form. Type	AI Conc. Unit	Dose Unit	Dose Unit	Appl. Timing	Appl. Code	Rep 1	2	3	4	Notes
1	PRODUCT	UNTREATED							101	207	306	401	
2	PRODUCT	FFA+IFT+TCM+CSA	SC	489.8 GA/L	716 g a/ha		PREPRE A		102	201	304	402	
	PRODUCT	ATRAZINE	SL	480 GA/L	1122 g a/ha		PREPRE A						
3	PRODUCT	ACURON HERBICIDE	CS	425.6 GA/L	2986 g a/ha		PREPRE A		103	209	301	403	
4	PRODUCT	RESICORE HERBICIDE	SL	394.4 GA/L	2767 g a/ha		PREPRE A		104	205	309	404	
	PRODUCT	ATRAZINE	SL	480 GA/L	1122 g a/ha		PREPRE A						
5	PRODUCT	FFA+IFT+TCM+CSA	SC	489.8 GA/L	429.5 g a/ha		PREPRE A		105	210	302	405	
	PRODUCT	ATRAZINE	SL	480 GA/L	560 g a/ha		PREPRE A						
	PRODUCT	DIFLEXX DUO	SC	194 GA/L	340.2 g a/ha		MIPOCR B						
	PRODUCT	ATRAZINE	SL	480 GA/L	560 g a/ha		MIPOCR B						
	PRODUCT	ROUNDUP POWERMAX 3	SL	575 GA/L	1260 g a/ha		MIPOCR B						
	PRODUCT	CLASS ACT RIDION	XL	100 %AW/W	1 % v/v		MIPOCR B						
6	PRODUCT	FFA+IFT+TCM+CSA	SC	489.8 GA/L	429.5 g a/ha		PREPRE A		106	202	305	406	
	PRODUCT	ATRAZINE	SL	480 GA/L	560 g a/ha		PREPRE A						
	PRODUCT	LAUDIS	SC	630 GA/L	138.1 g a/ha		MIPOCR B						
	PRODUCT	ATRAZINE	SL	480 GA/L	560 g a/ha		MIPOCR B						
	PRODUCT	ROUNDUP POWERMAX 3	SL	575 GA/L	1260 g a/ha		MIPOCR B						
	FERTIL	N-PAK AMS LIQUID	XL	34 %AW/W	2.5 % v/v		MIPOCR B						
7	PRODUCT	FFA+IFT+TCM+CSA	SC	489.8 GA/L	429.5 g a/ha		PREPRE A		107	203	310	407	
	PRODUCT	ATRAZINE	SL	480 GA/L	560 g a/ha		PREPRE A						
	PRODUCT	CAPRENO HERBICIDE	SC	546.99 GA/L	119.9 g a/ha		MIPOCR B						
	PRODUCT	ATRAZINE	SL	480 GA/L	560 g a/ha		MIPOCR B						
	FERTIL	N-PAK AMS LIQUID	XL	34 %AW/W	2.5 % v/v		MIPOCR B						
8	PRODUCT	FFA+IFT+TCM+CSA	SC	489.8 GA/L	429.5 g a/ha		PREPRE A		108	206	303	408	
	PRODUCT	ATRAZINE	SL	480 GA/L	560 g a/ha		PREPRE A						
	PRODUCT	CAPRENO HERBICIDE	SC	546.99 GA/L	119.9 g a/ha		MIPOCR B						
	PRODUCT	ATRAZINE	SL	480 GA/L	560 g a/ha		MIPOCR B						
	PRODUCT	ROUNDUP POWERMAX 3	SL	575 GA/L	1260 g a/ha		MIPOCR B						
	FERTIL	N-PAK AMS LIQUID	XL	34 %AW/W	2.5 % v/v		MIPOCR B						
9	PRODUCT	FFA+IFT+TCM+CSA	SC	489.8 GA/L	429.5 g a/ha		PREPRE A		109	204	308	409	
	PRODUCT	ATRAZINE	SL	480 GA/L	560 g a/ha		PREPRE A						
	PRODUCT	HARNESS MAX	SC	462 GA/L	1350 g a/ha		MIPOCR B						
	PRODUCT	ATRAZINE	SL	480 GA/L	560 g a/ha		MIPOCR B						
	PRODUCT	ROUNDUP POWERMAX 3	SL	575 GA/L	1260 g a/ha		MIPOCR B						
	FERTIL	N-PAK AMS LIQUID	XL	34 %AW/W	2.5 % v/v		MIPOCR B						
10	PRODUCT	VERDICT	EC	240 GA/L	175.4 g a/ha		PREPRE A		110	208	307	410	
	PRODUCT	ROUNDUP POWERMAX II	SL	540 GA/L	1263 g a/ha		MIPOCR B						
	PRODUCT	ATRAZINE	SL	480 GA/L	1684 g a/ha		MIPOCR B						
	PRODUCT	ARMEZON	SC	335.8 GA/L	18.41 g a/ha		MIPOCR B						
	PROD_ADJ	MSO	EC	100 %AW/W	1 % v/v		MIPOCR B						

Sort Order: Replicate 1

# University of Tennessee

## EVALUATE PRE EMERGENCE WEED CONTROL IN CORN

Trial ID: 68.01

Location: JACKSON

Trial Year: 2022 Protocol ID: 68.01 Investigator

(Creator):

Project ID:

Study Director:

Sponsor Contact:

Trt No.	Treatment Type Name	Form Conc	Form Unit	Form Type	Rate Rate	Appl Unit	Appl Timing	Appl Code	Rep 1	Rep 2	Rep 3	Rep 4	Notes
1	CHK Untreated Check								101	207	301	408	
2	HERB ROUNDUP POWER MAX 3	5.88	LBA/GAL	SL	1 lb ai/a	POST	B		102	208	304	401	
	ADJ INDUCE	100	%W/W	SF	0.25 % v/v	POST	B						
	ADJ AMS	100	%W/W	SG	3 lb/a	POST	B						
3	HERB ACURON	3.44	LBA/GAL	SC	3 qt/a	PRE	A		103	202	308	406	
	HERB ROUNDUP POWER MAX 3	5.88	LBA/GAL	SL	1 lb ai/a	POST	B						
	ADJ INDUCE	100	%W/W	SF	0.25 % v/v	POST	B						
	ADJ AMS	100	%W/W	SG	3 lb/a	POST	B						
4	HERB BICEP II MAGNUM	5.50	LBA/GAL	SC	2.1 qt/a	PRE	A		104	206	307	404	
	HERB ROUNDUP POWER MAX 3	5.88	LBA/GAL	SL	1 lb ai/a	POST	B						
	ADJ INDUCE	100	%W/W	SF	0.25 % v/v	POST	B						
	ADJ AMS	100	%W/W	SG	3 lb/a	POST	B						
5	HERB RESICORE	3.29	LBA/GAL	SL	88 oz/a	PRE	A		105	204	302	403	
	HERB ROUNDUP POWER MAX 3	5.88	LBA/GAL	SL	1 lb ai/a	POST	B						
	ADJ INDUCE	100	%W/W	SF	0.25 % v/v	POST	B						
	ADJ AMS	100	%W/W	SG	3 lb/a	POST	B						
6	HERB V-10494	2.04	LBA/GAL	SC	1 qt/a	PRE	A		106	203	305	402	
	HERB ROUNDUP POWER MAX 3	5.88	LBA/GAL	SL	1 lb ai/a	POST	B						
	ADJ INDUCE	100	%W/W	SF	0.25 % v/v	POST	B						
	ADJ AMS	100	%W/W	SG	3 lb/a	POST	B						
7	HERB V-10494	2.04	LBA/GAL	SC	1 qt/a	PRE	A		107	201	306	407	
	HERB AATREX	4	LBA/GAL	SC	0.750 lb ai/a	PRE	A						
	HERB ROUNDUP POWER MAX 3	5.88	LBA/GAL	SL	1 lb ai/a	POST	B						
	ADJ INDUCE	100	%W/W	SF	0.25 % v/v	POST	B						
	ADJ AMS	100	%W/W	SG	3 lb/a	POST	B						
8	HERB TRIVOLT SC	3.65	LBA/GAL	SC	21 oz/a	PRE	A		108	205	303	405	
	HERB ROUNDUP POWER MAX 3	5.88	LBA/GAL	SL	1 lb ai/a	POST	B						
	ADJ INDUCE	100	%W/W	SF	0.25 % v/v	POST	B						
	ADJ AMS	100	%W/W	SG	3 lb/a	POST	B						

Sort Order: Replicate 1

# University of Tennessee

## Evaluation of TOUGH and HPPD rates Post for Optimum Palmer Amaranth Control in Corn.

Trial ID: 22-137

Location:

Trial Year: 2022

Protocol ID: 22-137 Investigator (Creator):

Project ID:

Study Director:

Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate	Appl Unit	Appl Timing	Appl Code	Rep 1	2	3	4	Notes
1	HERB DUAL II MAGNUM HERB ROUNDUP POWERMAX 3 -GLYPHOSATE	7.64 5.88 5.88	LBA/GAL LB/GAL	EC SL	1 pt/a 20 oz/a 20	PRE POST	A B		101	208	306	402	
2	HERB DUAL II MAGNUM HERB CALLISTO HERB ROUNDUP POWERMAX 3 -GLYPHOSATE	7.64 4 5.88 5.88	LBA/GAL LB/GAL	EC SC SL	1 pt/a 2.25 oz/a 20 oz/a 20	PRE POST POST	A B B		102	204	308	404	
3	HERB DUAL II MAGNUM HERB TOUGH R HERB ROUNDUP POWERMAX 3 -GLYPHOSATE	7.64 5.88 5.88	LBA/GAL LB/GAL	EC L SL	1 pt/a 12 oz/a 20 oz/a 20	PRE POST POST	A B B		103	209	305	401	
4	HERB DUAL II MAGNUM HERB CALLISTO HERB ROUNDUP POWERMAX 3 -GLYPHOSATE	7.64 4 5.88 5.88	LBA/GAL LB/GAL	EC SC SL	1 pt/a 3 oz/a 20 oz/a 20	PRE POST POST	A B B		104	210	307	406	
5	HERB DUAL II MAGNUM HERB TOUGH 5EC HERB CALLISTO HERB ROUNDUP POWERMAX 3 -GLYPHOSATE	7.64 4 5.88 5.88	LBA/GAL LB/GAL	EC EC SC SL	1 pt/a 8 oz/a 3 oz/a 20 oz/a 20	PRE POST POST POST	A B B B		105	203	304	409	
6	HERB DUAL II MAGNUM HERB TOUGH R HERB ROUNDUP POWERMAX 3 -GLYPHOSATE	7.64 5.88 5.88	LBA/GAL LB/GAL	EC L SL	1 pt/a 16 oz/a 20 oz/a 20	PRE POST POST	A B B		106	205	301	405	
7	HERB DUAL II MAGNUM HERB TOUGH R HERB AATREX 4L HERB ROUNDUP POWERMAX 3 -GLYPHOSATE	7.64 4 5.88 5.88	LBA/GAL LB/GAL	EC L SC SL	1 pt/a 16 oz/a 1 pt/a 20 oz/a 20	PRE POST POST POST	A B B B		107	211	310	407	
8	HERB DUAL II MAGNUM HERB TOUGH 5EC HERB LAUDIS HERB ROUNDUP POWERMAX 3 -GLYPHOSATE	7.64 3.5 5.88 5.88	LBA/GAL LB/GAL	EC EC OD SL	1 pt/a 6 oz/a 3 oz/a 20 oz/a 20	PRE POST POST POST	A B B B		108	201	311	403	
9	HERB DUAL II MAGNUM HERB TOUGH 5EC HERB LAUDIS HERB ROUNDUP POWERMAX 3 -GLYPHOSATE	7.64 3.5 5.88 5.88	LBA/GAL LB/GAL	EC EC OD SL	1 pt/a 8 oz/a 3 oz/a 20 oz/a 20	PRE POST POST POST	A B B B		109	206	302	410	
10	HERB DUAL II MAGNUM HERB IMPACT HERB ROUNDUP POWERMAX 3 -GLYPHOSATE	7.64 2.8 5.88 5.88	LBA/GAL LB/GAL	EC SC SL	1 pt/a 1 oz/a 20 oz/a 20	PRE POST POST	A B B		110	202	303	408	
11	HERB DUAL II MAGNUM HERB TOUGH 5EC HERB IMPACT HERB ROUNDUP POWERMAX 3 -GLYPHOSATE	7.64 2.8 5.88 5.88	LBA/GAL LB/GAL	EC EC SC SL	1 pt/a 8 oz/a 1 oz/a 20 oz/a 20	PRE POST POST POST	A B B B		111	207	309	411	

Sort Order: Replicate 1

# University of Tennessee

## Evaluation of TOUGH R and TOUGH R + Atz Palmer Amaranth Control in Corn.

Trial ID: 22-138      Location:  
 Protocol ID: 22-138    Investigator (Creator):  
 Project ID:              Study Director:  
                                  Sponsor Contact:

Trial Year: 2022

Trt No.	Treatment Type Name	Form Conc	Form Unit	Form Type	Rate	Appl Unit	Appl Timing	Appl Code	Rep 1	Rep 2	Rep 3	Rep 4	Notes
1	HERB DUAL II MAGNUM HERB ROUNDUP POWERMAX 3 -GLYPHOSATE	7.64 5.88 5.88	LBA/GAL LB/GAL LB/GAL	EC SL SL	1 pt/a 20 oz/a 20	PRE POST POST	A B B		101	204	301	404	
2	HERB DUAL II MAGNUM HERB CALLISTO HERB ROUNDUP POWERMAX 3 -GLYPHOSATE	7.64 4 5.88 5.88	LBA/GAL LB/GAL LB/GAL LB/GAL	EC SC SL SL	1 pt/a 3 oz/a 20 oz/a 20	PRE POST POST POST	A B B B		102	203	305	402	
3	HERB DUAL II MAGNUM HERB TOUGH R HERB ROUNDUP POWERMAX 3 -GLYPHOSATE	7.64 L 5.88 5.88	LBA/GAL L LB/GAL LB/GAL	EC L SL SL	1 pt/a 16 oz/a 20 oz/a 20	PRE POST POST POST	A B B B		103	205	303	401	
5	HERB DUAL II MAGNUM HERB TOUGH 5EC HERB CALLISTO HERB ROUNDUP POWERMAX 3 -GLYPHOSATE	7.64 L 4 5.88 5.88	LBA/GAL L LB/GAL LB/GAL LB/GAL	EC EC SC SL SL	1 pt/a 8 oz/a 3 oz/a 20 oz/a 20	PRE POST POST POST POST	A B B B B		104	201	302	403	
7	HERB DUAL II MAGNUM HERB TOUGH R HERB AATREX 4L HERB ROUNDUP POWERMAX 3 -GLYPHOSATE	7.64 L 4 5.88 5.88	LBA/GAL L LBA/GAL LB/GAL LB/GAL	EC L SC SL SL	1 pt/a 16 oz/a 16 oz/a 20 oz/a 20	PRE POST POST POST POST	A B B B B		105	202	304	405	

Sort Order: Replicate 1