

University of Wisconsin-Madison

Low Tunnel Test 3 : Comparison of XtendiMax and Roundup Xtend II Tank Mixed with Liberty alone and in Combination with MON 51817							
Trial ID: 20-ARL-SB22	Location: Arlington, WI	Trial Year: 2020					
Protocol ID: 2020-01-B7-19	Investigator: Daniel B. Reynolds						
Project ID:	Study Director:						
	Sponsor Contact:						

Reps: 3
Appl. Amount: 15 GAL/AC Plots: 4 by 50 feet
Mix Size: 500 mL (total for 3 plots; minimum=782 mL)

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate Unit	Appl Code	Amt Product to Measure	Rep 1	Rep 2	Rep 3
1	XtendiMax with Vaporgrip	2.9	LBAE/GAL	EC	44 fl oz/a	AB	11.46 mL/mx	101	213	304
	Roundup PowerMax	4.5	LBAE/GAL	SC	64 fl oz/a	AB	16.67 mL/mx			
	No Liberty 280 SL					AB				
	No MON 51817 - VaporGrip	50	%W/W	SL	0 fl oz/a	AB				
2	XtendiMax with Vaporgrip	2.9	LBAE/GAL	EC	44 fl oz/a	AB	11.46 mL/mx	102	205	308
	Roundup PowerMax	4.5	LBAE/GAL	SC	64 fl oz/a	AB	16.67 mL/mx			
	No Liberty 280 SL					AB				
	MON 51817 - VaporGrip	50	%W/W	SL	40 fl oz/a	AB	10.42 mL/mx			
3	XtendiMax with Vaporgrip	2.9	LBAE/GAL	EC	44 fl oz/a	AB	11.46 mL/mx	103	206	305
	Roundup PowerMax	4.5	LBAE/GAL	SC	64 fl oz/a	AB	16.67 mL/mx			
	No Liberty 280 SL					AB				
	MON 51817 - VaporGrip	50	%W/W	SL	80 fl oz/a	AB	20.83 mL/mx			
4	XtendiMax with Vaporgrip	2.9	LBAE/GAL	EC	44 fl oz/a	AB	11.46 mL/mx	104	202	310
	Roundup PowerMax	4.5	LBAE/GAL	SC	64 fl oz/a	AB	16.67 mL/mx			
	Liberty 280 SL	2.34	LBA/GAL	SL	64 fl oz/a	AB	16.67 mL/mx			
	No MON 51817 - VaporGrip	50	%W/W	SL	0 fl oz/a	AB				
5	XtendiMax with Vaporgrip	2.9	LBAE/GAL	EC	44 fl oz/a	AB	11.46 mL/mx	105	210	312
	Roundup PowerMax	4.5	LBAE/GAL	SC	64 fl oz/a	AB	16.67 mL/mx			
	Liberty 280 SL	2.34	LBA/GAL	SL	64 fl oz/a	AB	16.67 mL/mx			
	MON 51817 - VaporGrip	50	%W/W	SL	40 fl oz/a	AB	10.42 mL/mx			
6	XtendiMax with Vaporgrip	2.9	LBAE/GAL	EC	44 fl oz/a	AB	11.46 mL/mx	106	209	311
	Roundup PowerMax	4.5	LBAE/GAL	SC	64 fl oz/a	AB	16.67 mL/mx			
	Liberty 280 SL	2.34	LBA/GAL	SL	64 fl oz/a	AB	16.67 mL/mx			
	MON 51817 - VaporGrip	50	%W/W	SL	80 fl oz/a	AB	20.83 mL/mx			
7	MON 301286 - RupXtend II VGrip	4	LBAE/GAL	SL	96 fl oz/a	AB	25.0 mL/mx	107	201	309
	No Liberty 280 SL					AB				
	No MON 51817 - VaporGrip	50	%W/W	SL	0 fl oz/a	AB				
8	MON 301286 - RupXtend II VGrip	4	LBAE/GAL	SL	96 fl oz/a	AB	25.0 mL/mx	108	211	301
	No Liberty 280 SL					AB				
	MON 51817 - VaporGrip	50	%W/W	SL	40 fl oz/a	AB	10.42 mL/mx			
9	MON 301286 - RupXtend II VGrip	4	LBAE/GAL	SL	96 fl oz/a	AB	25.0 mL/mx	109	204	302
	No Liberty 280 SL					AB				
	MON 51817 - VaporGrip	50	%W/W	SL	80 fl oz/a	AB	20.83 mL/mx			
10	MON 301286 - RupXtend II VGrip	4	LBAE/GAL	SL	96 fl oz/a	AB	25.0 mL/mx	110	203	306
	Liberty 280 SL	2.34	LBA/GAL	SL	64 fl oz/a	AB	16.67 mL/mx			
	No MON 51817 - VaporGrip	50	%W/W	SL	0 fl oz/a	AB				
11	MON 301286 - RupXtend II VGrip	4	LBAE/GAL	SL	96 fl oz/a	AB	25.0 mL/mx	111	212	307
	Liberty 280 SL	2.34	LBA/GAL	SL	64 fl oz/a	AB	16.67 mL/mx			
	MON 51817 - VaporGrip	50	%W/W	SL	40 fl oz/a	AB	10.42 mL/mx			
12	MON 301286 - RupXtend II VGrip	4	LBAE/GAL	SL	96 fl oz/a	AB	25.0 mL/mx	112	208	313
	Liberty 280 SL	2.34	LBA/GAL	SL	64 fl oz/a	AB	16.67 mL/mx			
	MON 51817 - VaporGrip	50	%W/W	SL	80 fl oz/a	AB	20.83 mL/mx			
13	Untreated Check				AB			113	207	303

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
171,875	mL	XtendiMax with Vaporgrip	2.9	LBAE/GAL	EC	
250,000	mL	Roundup PowerMax	4.5	LBAE/GAL	SC	
312,500	mL	MON 51817 - VaporGrip	50	%W/W	SL	
250,000	mL	Liberty 280 SL	2.34	LBA/GAL	SL	
375,000	mL	MON 301286 - RupXtend II VGrip	4	LBAE/GAL	SL	

* 'Per area' calculations based on application amount= 15 GAL/AC, mix size= 500 mL (mix size basis).

* Product amount calculations increased 25 % for overage adjustment.

* Adjusted for multiple applications in treatment list.

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Low Tunnel Test 3 : Comparison of XtendiMax and Roundup Xtend II Tank Mixed with Liberty alone and in Combination with MON 51817									
Trial ID: 20-ARL-SB22 Protocol ID: 2020-01-B7-19 Project ID:		Location: Arlington, WI Investigator: Daniel B. Reynolds Study Director: Sponsor Contact:		Trial Year: 2020					

Reps: 3 Plots: 4 by 50 feet
Appl. Amount: 15 GAL/AC Mix Size: 500 mL (total for 3 plots; minimum=782 mL)

Trt No.	Treatment Name	Form Conc	Form Unit	Rate Type	Appl Unit	Amt to Measure	Rep 1	Rep 2	Rep 3
1	XtendiMax with Vaporgrip Roundup PowerMax No Liberty 280 SL No MON 51817 - VaporGrip	2.9 LBAE/GAL 4.5 LBAE/GAL 50 %W/W	EC SC SL	44 fl oz/a 64 fl oz/a 0 fl oz/a	AB AB AB	11.46 mL/mx 16.67 mL/mx	101	213	304
2	XtendiMax with Vaporgrip Roundup PowerMax No Liberty 280 SL MON 51817 - VaporGrip	2.9 LBAE/GAL 4.5 LBAE/GAL 50 %W/W	EC SC SL	44 fl oz/a 64 fl oz/a 40 fl oz/a	AB AB AB	11.46 mL/mx 16.67 mL/mx 10.42 mL/mx	102	205	308
3	XtendiMax with Vaporgrip Roundup PowerMax No Liberty 280 SL MON 51817 - VaporGrip	2.9 LBAE/GAL 4.5 LBAE/GAL 50 %W/W	EC SC SL	44 fl oz/a 64 fl oz/a 80 fl oz/a	AB AB AB	11.46 mL/mx 16.67 mL/mx 20.83 mL/mx	103	206	305
4	XtendiMax with Vaporgrip Roundup PowerMax Liberty 280 SL No MON 51817 - VaporGrip	2.9 LBAE/GAL 4.5 LBAE/GAL 2.34 LBA/GAL 50 %W/W	EC SC SL SL	44 fl oz/a 64 fl oz/a 64 fl oz/a 0 fl oz/a	AB AB AB AB	11.46 mL/mx 16.67 mL/mx 16.67 mL/mx	104	202	310
5	XtendiMax with Vaporgrip Roundup PowerMax Liberty 280 SL MON 51817 - VaporGrip	2.9 LBAE/GAL 4.5 LBAE/GAL 2.34 LBA/GAL 50 %W/W	EC SC SL SL	44 fl oz/a 64 fl oz/a 64 fl oz/a 40 fl oz/a	AB AB AB AB	11.46 mL/mx 16.67 mL/mx 16.67 mL/mx 10.42 mL/mx	105	210	312
6	XtendiMax with Vaporgrip Roundup PowerMax Liberty 280 SL MON 51817 - VaporGrip	2.9 LBAE/GAL 4.5 LBAE/GAL 2.34 LBA/GAL 50 %W/W	EC SC SL SL	44 fl oz/a 64 fl oz/a 64 fl oz/a 80 fl oz/a	AB AB AB AB	11.46 mL/mx 16.67 mL/mx 16.67 mL/mx 20.83 mL/mx	106	209	311
7	MON 301286 - RupXtend II VGrip No Liberty 280 SL No MON 51817 - VaporGrip	4 LBAE/GAL 50 %W/W	SL SL	96 fl oz/a 0 fl oz/a	AB AB	25.0 mL/mx	107	201	309
8	MON 301286 - RupXtend II VGrip No Liberty 280 SL MON 51817 - VaporGrip	4 LBAE/GAL 50 %W/W	SL SL	96 fl oz/a 40 fl oz/a	AB AB	25.0 mL/mx 10.42 mL/mx	108	211	301
9	MON 301286 - RupXtend II VGrip No Liberty 280 SL MON 51817 - VaporGrip	4 LBAE/GAL 50 %W/W	SL SL	96 fl oz/a 80 fl oz/a	AB AB	25.0 mL/mx 20.83 mL/mx	109	204	302
10	MON 301286 - RupXtend II VGrip Liberty 280 SL No MON 51817 - VaporGrip	4 LBAE/GAL 2.34 LBA/GAL 50 %W/W	SL SL SL	96 fl oz/a 64 fl oz/a 0 fl oz/a	AB AB AB	25.0 mL/mx 16.67 mL/mx	110	203	306
11	MON 301286 - RupXtend II VGrip Liberty 280 SL MON 51817 - VaporGrip	4 LBAE/GAL 2.34 LBA/GAL 50 %W/W	SL SL SL	96 fl oz/a 64 fl oz/a 40 fl oz/a	AB AB AB	25.0 mL/mx 16.67 mL/mx 10.42 mL/mx	111	212	307
12	MON 301286 - RupXtend II VGrip Liberty 280 SL MON 51817 - VaporGrip	4 LBAE/GAL 2.34 LBA/GAL 50 %W/W	SL SL SL	96 fl oz/a 64 fl oz/a 80 fl oz/a	AB AB AB	25.0 mL/mx 16.67 mL/mx 20.83 mL/mx	112	208	313
13	Untreated Check				AB		113	207	303

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
171.875	mL	XtendiMax with Vaporgrip	2.9	LBAE/GAL	EC	
250.000	mL	Roundup PowerMax	4.5	LBAE/GAL	SC	
312.500	mL	MON 51817 - VaporGrip	50	%W/W	SL	
250.000	mL	Liberty 280 SL	2.34	LBA/GAL	SL	
375.000	mL	MON 301286 - RupXtend II VGrip	4	LBAE/GAL	SL	

* 'Per area' calculations based on application amount= 15 GAL/AC, mix size= 500 mL (mix size basis).

* Product amount calculations increased 25 % for overage adjustment.

* Adjusted for multiple applications in treatment list.

- 32 psi ✓ NO screen on Trt 1 & 2 in R center
 ✓ R center nozzle clogged on Trt 2, changed nozzle + added screen

Weather:

15% clouds

Wind S-SE

1.9 - 5.0 mph, avg = 2.4 mph

Temp air 82.5°F
soil 78°F

RH 80.4%

Haleigh

May-28-2020 (Bayer_Low_Tunnel_3_2020-01-B7-19)

ARM 2020.0 Spray Plan Page 1 of 1

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Low Tunnel Test 3 : Comparison of XtendiMax and Roundup Xtend II Tank Mixed with Liberty alone and in Combination with MON 51817											
Trial ID: 20-ARL-SB22 Protocol ID: 2020-01-B7-19 Project ID:		Location: Arlington, WI Investigator: Daniel B. Reynolds		Trial Year: 2020							
Rep	Plot	Form	Form	Rate	Appl	Amt	Product	Rep			
Reps: 3	Plots: 4 by 50 feet	Mix Size: 500 mL (total for 3 plots; minimum=782 mL)									
Appl. Amount: 15 GAL/AC											
Trt No.	Treatment Name	Form Conc	Form Unit	Rate Type	Appl Unit	Amt Code	Product to Measure	Rep 1	2	3	end
1	XtendiMax with Vaporgrip Roundup PowerMax No Liberty 280 SL No MON 51817 - VaporGrip	2.9 LBAE/GAL EC 4.5 LBAE/GAL SC	44 fl oz/a AB 64 fl oz/a AB AB	44 fl oz/a AB	11.46 mL/mx 16.67 mL/mx	101	213	304			
						9:00	9:02	9:01			9:03
8:54											
W/W/M											
9:09											
9:18											
9:40											
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Low Tunnel Test 3 : Comparison of XtendiMax and Roundup Xtend II Tank Mixed with Liberty alone and in Combination with MON 51817								
Trial ID: 20-ARL-SB22	Protocol ID: 2020-01-B7-19	Project ID:	Location: Arlington, WI	Investigator: Daniel B. Reynolds	Study Director:	Sponsor Contact:	Trial Year: 2020	

Reps: 3
Appl. Amount: 15 GAL/AC

Plots: 4 by 50 feet

Mix Size: 500 mL (total for 3 plots; minimum=782 mL)

Trt No.	Treatment Name	Form Conc	Form Unit	Rate Type	Appl Unit	Amt Product to Measure	Rep 1	Rep 2	Rep 3
1	XtendiMax with Vaporgrip	2.9	LBAE/GAL	EC	44 fl oz/a	AB	11.46 mL/mx	101	213
	Roundup PowerMax	4.5	LBAE/GAL	SC	64 fl oz/a	AB	16.67 mL/mx		
	No Liberty 280 SL					AB			
	No MON 51817 - VaporGrip	50	%W/W	SL	0 fl oz/a	AB			
2	XtendiMax with Vaporgrip	2.9	LBAE/GAL	EC	44 fl oz/a	AB	11.46 mL/mx	102	205
	Roundup PowerMax	4.5	LBAE/GAL	SC	64 fl oz/a	AB	16.67 mL/mx	09:08	09:32
	No Liberty 280 SL					AB			
	MON 51817 - VaporGrip	50	%W/W	SL	40 fl oz/a	AB	10.42 mL/mx	09:09	09:44
3	XtendiMax with Vaporgrip	2.9	LBAE/GAL	EC	44 fl oz/a	AB	11.46 mL/mx	103	206
	Roundup PowerMax	4.5	LBAE/GAL	SC	64 fl oz/a	AB	16.67 mL/mx		
	No Liberty 280 SL					AB			
	MON 51817 - VaporGrip	50	%W/W	SL	80 fl oz/a	AB	20.83 mL/mx		
4	XtendiMax with Vaporgrip	2.9	LBAE/GAL	EC	44 fl oz/a	AB	11.46 mL/mx	104	202
	Roundup PowerMax	4.5	LBAE/GAL	SC	64 fl oz/a	AB	16.67 mL/mx	09:42	09:43
	Liberty 280 SL	2.34	LBA/GAL	SL	64 fl oz/a	AB	16.67 mL/mx		
	No MON 51817 - VaporGrip	50	%W/W	SL	0 fl oz/a	AB			
5	XtendiMax with Vaporgrip	2.9	LBAE/GAL	EC	44 fl oz/a	AB	11.46 mL/mx	105	210
	Roundup PowerMax	4.5	LBAE/GAL	SC	64 fl oz/a	AB	16.67 mL/mx		
	Liberty 280 SL	2.34	LBA/GAL	SL	64 fl oz/a	AB	16.67 mL/mx		
	MON 51817 - VaporGrip	50	%W/W	SL	40 fl oz/a	AB	10.42 mL/mx		
6	XtendiMax with Vaporgrip	2.9	LBAE/GAL	EC	44 fl oz/a	AB	11.46 mL/mx	106	209
	Roundup PowerMax	4.5	LBAE/GAL	SC	64 fl oz/a	AB	16.67 mL/mx	09:54	09:55
	Liberty 280 SL	2.34	LBA/GAL	SL	64 fl oz/a	AB	16.67 mL/mx		
	MON 51817 - VaporGrip	50	%W/W	SL	80 fl oz/a	AB	20.83 mL/mx		
7	MON 301286 - RupXtend II VGrip	4	LBAE/GAL	SL	96 fl oz/a	AB	25.0 mL/mx	107	201
	No Liberty 280 SL					AB		09:20	09:21
	No MON 51817 - VaporGrip	50	%W/W	SL	0 fl oz/a	AB			
8	MON 301286 - RupXtend II VGrip	4	LBAE/GAL	SL	96 fl oz/a	AB	25.0 mL/mx	108	211
	No Liberty 280 SL					AB			
	MON 51817 - VaporGrip	50	%W/W	SL	40 fl oz/a	AB	10.42 mL/mx		
9	MON 301286 - RupXtend II VGrip	4	LBAE/GAL	SL	96 fl oz/a	AB	25.0 mL/mx	109	204
	No Liberty 280 SL					AB		09:31	09:32
	MON 51817 - VaporGrip	50	%W/W	SL	80 fl oz/a	AB	20.83 mL/mx		
10	MON 301286 - RupXtend II VGrip	4	LBAE/GAL	SL	96 fl oz/a	AB	25.0 mL/mx	110	203
	Liberty 280 SL	2.34	LBA/GAL	SL	64 fl oz/a	AB	16.67 mL/mx		
	No MON 51817 - VaporGrip	50	%W/W	SL	0 fl oz/a	AB			
11	MON 301286 - RupXtend II VGrip	4	LBAE/GAL	SL	96 fl oz/a	AB	25.0 mL/mx	111	212
	Liberty 280 SL	2.34	LBA/GAL	SL	64 fl oz/a	AB	16.67 mL/mx	10:06	10:07
	MON 51817 - VaporGrip	50	%W/W	SL	40 fl oz/a	AB	10.42 mL/mx		
12	MON 301286 - RupXtend II VGrip	4	LBAE/GAL	SL	96 fl oz/a	AB	25.0 mL/mx	112	208
	Liberty 280 SL	2.34	LBA/GAL	SL	64 fl oz/a	AB	16.67 mL/mx		
	MON 51817 - VaporGrip	50	%W/W	SL	80 fl oz/a	AB	20.83 mL/mx		
13	Untreated Check					AB		113	207
									303

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
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250.000	mL	Roundup PowerMax	4.5	LBAE/GAL	SC	
312.500	mL	MON 51817 - VaporGrip	50	%W/W	SL	
250.000	mL	Liberty 280 SL	2.34	LBA/GAL	SL	
375.000	mL	MON 301286 - RupXtend II VGrip	4	LBAE/GAL	SL	

- * 'Per area' calculations based on application amount= 15 GAL/AC, mix size= 500 mL (mix size basis).
- * Product amount calculations increased 25 % for overage adjustment.
- * Adjusted for multiple applications in treatment list.

Check Pump

9:44

3M HAD
WATER

Trt.	Trt. Description	R1	Flow Start	T Start	Flow End	T End
1	XMAX + RUP PMAX	101	3 L/min	9:00 AM	3.004	8:33 am
2	XMAX + RUP PMAX + MON51817 (2%)	102	3 L/min	9:02 AM	2.914	8:34 am
3	XMAX + RUP PMAX + MON51817 (4%)	103	3 L/min	9:15 AM	2.932	8:37 am
4	XMAX + RUP PMAX + Liberty	104	3 L/min	9:42 AM	2.957	8:39 am
5	XMAX + RUP PMAX + Liberty + MON51817 (2%)	105	3 L/min	9:45 AM	2.974	8:41 am
6	XMAX + RUP PMAX + Liberty + MON51817 (4%)	106	3 L/min	9:54 AM	2.939	8:49 am
7	MON301286	107	3 L/min	9:20 AM	2.957	8:46 am
8	MON301286 + MON51817 (2%)	108	3 L/min	9:31 AM	2.90870	8:48 am
9	MON301286 + MON51817 (4%)	109	3 L/min	9:31 AM	2.918	8:51 am
10	MON301286 + Liberty	110	3 L/min	9:58 AM	3.024	8:54 am
11	MON301286 + Liberty + MON51817 (2%)	111	3 L/min	10:06 AM	2.973	8:57 am
12	MON301286 + Liberty + MON51817 (4%)	112	3 L/min	10:12 AM	2.990	9:00 am
13	NTC	113	3 L/min	9:44 AM	2.939	9:03 am

heights for sensors B & C

got wet

was not running

when collected

→ charged battery?

power cord to

jet pump to
run for stop
VU

→ PUF looks wet
too

not well
on

3 1
4 2 N →

14 DAT - SS rated/recoded
KG counts
NA/JN heights/recoded

Trial: 20-ARL-SB22	
Date: 14 DAT - 7/22	28 DAT - 8/07
Rating:	(unclear)

	Distance from 0 (ft)	14 DAT		28 DAT	
		Injury	Height	Injury	Height
Plot:	101	0	15	27	58
Quadrant selected:	1	1	15	25	55
Total plants in 25'	109	2	17	24	55
Injured plants in 25':	48	3	20	25	53
injured 28 DAT:		4	20	26	55
		5	17	29	55
		6	15	27	58
		7	15	30	56
		8	10	26	60
		9	7	31	60
		10	3	29	60
		11	3	27	59
		12	0	30	60
		13	1	29	59
		14	32	62	
		15	30	59	
		16	29	52	
		17	34	61	
		18	29	61	
		19	30	60	
		20	29	59	
		21	27	56	
		22	26	60	
		23	22	58	
		24	22	61	
		25	—	28	69

	Distance from 0 (ft)	14 DAT		28 DAT	
		Injury	Height	Injury	Height
Plot:	102	0	0	31	59
Quadrant selected:	1	1	28	60	
Total plants in 25'	165	2	29	63	
Injured plants in 25':	0	3	27	59	
injured 28 DAT:		4	29	61	
		5	30	61	
		6	33	58	
		7	30	59	
		8	26	57	
		9	27	58	
		10	28	57	
		11	29	55	
		12	27	59	
		13	28	67	
		14	31	60	
		15	29	63	
		16	33	68	
		17	32	68	
		18	31	74	
		19	34	67	
		20	29	64	
		21	27	60	
		22	28	60	
		23	23	01	
		24	28	02	
		25	—	27	59

Trial: 20-ARL-SB22

Date: 14 DAT - 7/22

28 DAT -

Rating:

Plot:	L03	Distance from 0 (ft)	14 DAT		28 DAT	
			Injury	Height	Injury	Height
		0	0	24	5	59
Quadrant selected:	1	1	1	29	5	62
Total plants in 25'	169	2	1	27	1	59
Injured plants in 25':	1	3	27		54	
injured 28 DAT: 2		4	25		60	
		5	31		57	
		6	26		59	
		7	52		57	
		8	29		56	
		9	27		59	
		10	32		57	
		11	33		59	
		12	29		65	
		13	30		56	
		14	29		59	
		15	32		63	
		16	34		58	
		17	32		62	
		18	31		59	
		19	32		61	
		20	29		60	
		21	33		77	
		22	29		64	
		23	34		62	
		24	31		64	
		25	1	33		60

Plot:	L04	Distance from 0 (ft)	14 DAT		28 DAT	
			Injury	Height	Injury	Height
		0	30	33	30	63
Quadrant selected:	2	1	25	32	25	60
Total plants in 25'	146	2	25	36	25	58
Injured plants in 25':	82	3	20	34	20	60
injured 28 DAT: 77		4	20	35	20	60
		5	20	34	20	60
		6	17	35	12	62
		7	217	31	1	62
		8	12	34	5	74
		9	10	35	5	66
		10	8	36	5	66
		11	2	34	0	67
		12	0	29	1	62
		13		32		62
		14		58		63
		15		37		66
		16		37		70
		17		34		74
		18		34		62
		19		35		73
		20		36		60
		21		33		61
		22		37		72
		23		34		65
		24		33		64
		25		34		59

14 DAT -
maybe should have
picked Q1?

Trial: 20-ARL-SB22

Date: 14 DAT - 7/22 28 DAT -

Rating:

	Distance from 0 (ft)	14 DAT		28 DAT	
		Injury	Height	Injury	Height
Plot:	105	0	45	39	50
Quadrant selected:	4	1	0	34	55
Total plants in 25'	162	2	1	36	66
Injured plants in 25':	4	3	1	34	61
injured 28 DAT:	12	4	1	32	60
	5	1	1	38	72
	6	1	1	35	64
	7	1	1	32	67
	8	1	1	27	54
	9	1	1	32	58
	10	1	1	35	60
	11	1	1	35	63
	12	1	1	34	60
	13	1	1	33	60
	14	1	1	31	60
	15	1	1	35	64
	16	1	1	33	58
	17	1	1	33	57
	18	1	1	30	60
	19	1	1	34	66
	20	1	1	33	57
	21	1	1	31	60
	22	1	1	36	64
	23	1	1	35	57
	24	1	1	27	61
	25	1	1	33	63

	Distance from 0 (ft)	14 DAT		28 DAT	
		Injury	Height	Injury	Height
Plot:	106	0	17	35	17
Quadrant selected:	2	1	0	34	57
Total plants in 25'	164	2	3	32	60
Injured plants in 25':	6	3	0	34	63
injured 28 DAT:	6	4	0	34	62
	5	1	1	35	62
	6	1	1	39	65
	7	1	1	33	64
	8	1	1	36	60
	9	1	1	34	62
	10	1	1	35	73
	11	1	1	36	61
	12	1	1	32	63
	13	1	1	38	62
	14	1	1	38	63
	15	1	1	37	70
	16	1	1	34	64
	17	1	1	34	66
	18	1	1	35	65
	19	1	1	33	60
	20	1	1	34	60
	21	1	1	35	63
	22	1	1	35	60
	23	1	1	34	60
	24	1	1	35	61
	25	1	1	34	57

Trial: 20-ARL-SBZ2

Date: 14 DAT - 7/22 28 DAT -

Rating:

	Distance from 0 (ft)	14 DAT		28 DAT	
		Injury	Height	Injury	Height
Plot: 107	0	40	24	25	50
Quadrant selected: 2	1	30	31	30	59
Total plants in 25'	126	2	25	27	52
Injured plants in 25':	57	3	30	29	53
Injured 28 DAT -	46	4	30	26	15
		5	25	27	15
		6	20	33	8
		7	10	33	5
		8	12	34	5
		9	10	31	5
		10	8	33	5
		11	5	31	5
		12	2	34	0
		13	0	27	1
		14	-	32	62
		15	-	29	55
		16	-	31	54
		17	-	35	64
		18	-	30	57
		19	-	29	59
		20	-	32	63
		21	-	31	64
		22	-	29	60
		23	-	36	65
		24	-	34	60
		25	-	31	49

	Distance from 0 (ft)	14 DAT		28 DAT	
		Injury	Height	Injury	Height
Plot: 108	0	7	27	10	69
Quadrant selected: 4	1	12	38	15	66
Total plants in 25'	170	2	20	37	5
Injured plants in 25':	211	3	5	35	0
Injured 28 DAT -	18	4	0	38	1
		5	-	36	67
		6	-	37	67
		7	-	39	66
		8	-	38	65
		9	-	38	63
		10	-	39	70
		11	-	35	63
		12	-	37	57
		13	-	32	61
		14	-	33	64
		15	-	35	56
		16	-	36	64
		17	-	37	62
		18	-	36	61
		19	-	33	78
		20	-	38	72
		21	-	36	65
		22	-	35	70
		23	-	36	62
		24	-	36	64
		25	-	37	64

Trial: 20-ARL-SB22

Date: 14 DAT - 7/22 28 DAT -

Rating:

	Distance from 0 (ft)	14 DAT		28 DAT	
		Injury	Height	Injury	Height
Plot:	109	0	37	0	64
Quadrant selected:	4	1	25	34	25
Total plants in 25'	151	2	0	32	0
Injured plants in 25':	2	3		35	67
Injured 28 DAT:	3	4		34	60
MDAT - contamination?					
	5		36	76	
	6		33	70	
	7		32	60	
	8		35	66	
	9		35	65	
	10		31	63	
	11		33	56	
	12		36	58	
	13		35	67	
	14		34	64	
	15		34	63	
	16		36	64	
	17		29	57	
	18		36	54	
	19		34	65	
	20		36	64	
	21		31	60	
	22		36	57	
	23		33	56	
	24		37	65	
	25		33	64	

	Distance from 0 (ft)	14 DAT		28 DAT	
		Injury	Height	Injury	Height
Plot:	110	0	320	34	20
Quadrant selected:	1	1	25	35	25
Total plants in 25'	144	2	25	33	25
Injured plants in 25':	72	3	25	36	25
Injured 28 DAT:	87	4	25	36	20
MDAT - contamination?					
	5		25	35	15
	6		20	34	25
	7		20	31	15
	8		10	29	8
	9		15	33	5
	10		10	30	5
	11		10	36	5
	12		10	35	7
	13		7	30	5
	14		5	34	5
	15		5	30	0
	16		0	35	
	17			33	66
	18			30	65
	19			35	69
	20			35	66
	21			38	68
	22			37	66
	23			36	65
	24			33	63
	25			29	60

Trial: 20-ARL-SB22

Date: 14 DAT - 7/22 28 DAT -

Rating:

	Distance from 0 (ft)	14 DAT		28 DAT	
		Injury	Height	Injury	Height
Plot:	111	0	15	33	25
Quadrant selected:	2	1	12	36	25
Total plants in 25'	154	2	4	37	5
Injured plants in 25':	25	3	10	38	5
Injured 28 DAT -	36	4	7	35	5
	5	5	34	0	67
	6	5	38		66
	7	2	34		64
	8	0	37		73
	9	1	35		70
	10		33		61
	11		34		65
	12		37		67
	13		36		66
	14		33		66
	15		39		63
	16		40		70
	17		36		70
	18		35		67
	19		34		64
	20		36		60
	21		38		65
	22		35		69
	23		34		60
	24		31		64
	25	-	35	-	63

	Distance from 0 (ft)	14 DAT		28 DAT	
		Injury	Height	Injury	Height
Plot:	112	0	17	39	25
Quadrant selected:	4	1	15	40	25
Total plants in 25'	169	2	5	38	40
Injured plants in 25':	12	3	0	37	0
Injured 28 DAT -	15	4	0	38	1
	5	1	33		64
	6		36		65
	7		36		64
	8		35		67
	9		36		72
	10		34		75
	11		34		63
	12		32		65
	13		35		66
	14		37		67
	15		29		63
	16		35		59
	17		36		62
	18		38		64
	19		37		68
	20		35		67
	21		35		63
	22		34		67
	23		37		68
	24		34		78
	25	-	35		71

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(4)

Trial: 20-ARL-SB22

Date: 14 DAT - 7/22 28 DAT -

Rating:

Plot:	Distance from 0 (ft)	14 DAT		28 DAT	
		Injury	Height	Injury	Height
113	0	01	33	9	66
4	1	1	36	1	66
162	2	37	37	67	67
6	3	36	36	67	67
	4	35	35	60	60
	5	35	35	65	65
	6	33	33	60	60
	7	34	34	61	61
	8	36	36	63	63
	9	35	35	64	64
	10	35	35	60	60
	11	32	32	63	63
	12	36	36	65	65
	13	38	38	65	65
	14	35	35	62	62
	15	35	35	68	68
	16	41	41	70	70
	17	38	38	69	69
	18	36	36	65	65
	19	37	37	65	65
	20	36	36	65	65
	21	37	37	63	63
	22	32	32	54	54
	23	34	34	60	60
	24	33	33	57	57
	25	—	33	—	56

*check
injured 28 DAT: 0

Plot:	Distance from 0 (ft)	14 DAT		28 DAT	
		Injury	Height	Injury	Height
201	0	8	37	15	58
	1	12	24	12	58
	2	15	33	15	59
	3	12	34	21	58
	4	20	33	20	55
	5	20	34	20	63
	6	25	34	20	61
	7	20	32	15	63
	8	15	35	12	61
	9	15	35	5	59
	10	12	34	5	60
	11	10	33	5	64
	12	8	33	5	67
	13	5	34	0	60
	14	0	36	—	67
	15	—	32	—	62
	16	—	34	—	63
	17	—	31	—	63
	18	—	35	—	62
	19	—	36	—	61
	20	—	34	—	66
	21	—	38	—	60
	22	—	35	—	58
	23	—	36	—	64
	24	—	35	—	61
	25	—	33	—	62

Trial: 20-ARL-SB22

Date: 14 DAT - 7/22 28 DAT -

Rating:

	Distance from 0 (ft)	14 DAT		28 DAT	
		Injury	Height	Injury	Height
Plot:	202	0	35	31	25
Quadrant selected:	1	1	405	29	25
Total plants in 25'	166	2	4805	32	30
Injured plants in 25':	86	3	405	30	53
Injured 28 DAT:	91	4	405	31	50
		5	40	29	20
		6	40	32	20
		7	30	33	17
		8	20	35	12
		9	20	34	10
		10	5	33	10
		11	5	39	8
		12	5	36	5
		13	5	35	0
		14	5	35	1
		15	0	34	02
		16	1	35	63
		17		36	63
		18		36	60
		19		33	63
		20		34	63
		21		31	60
		22		34	60
		23		33	61
		24		34	61
		25	-	32	56

	Distance from 0 (ft)	14 DAT		28 DAT	
		Injury	Height	Injury	Height
Plot:	203	0	20	32	30
Quadrant selected:	4	1	15	33	27
Total plants in 25'	160	2	17	27	15
Injured plants in 25':	107	3	20	21	20
Injured 28 DAT:	98	4	25	31	25
		5	25	32	25
		6	20	36	20
		7	20	33	20
		8	20	32	15
		9	20	25	12
		10	15	37	15
		11	15	36	12
		12	5	37	5
		13	5	37	5
		14	5	38	0
		15	3	34	1
		16	2	32	1
		17	0	36	65
		18	1	41	63
		19		35	64
		20		35	65
		21		38	63
		22		33	66
		23		33	60
		24		32	65
		25		33	63

Trial: 20-ARL-SBZ2

Date: 14 DAT - 7/22 28 DAT -

Rating:

	Distance from 0 (ft)	14 DAT		28 DAT	
		Injury	Height	Injury	Height
Plot:	204	0	10	33	15
Quadrant selected:	1	1	4	34	0
Total plants in 25'	167	2	2	34	58
Injured plants in 25':	3	3	0	35	66
injured 28 DAT:	3	4	1	35	60
		5		33	63
		6		34	63
		7		32	60
		8		32	58
		9		34	67
		10		34	58
		11		32	56
		12		35	71
		13		36	60
		14		32	60
		15		33	57
		16		34	62
		17		33	63
		18		33	66
		19		35	60
		20		34	60
		21		31	57
		22		32	63
		23		32	55
		24		34	56
		25	-	29	54

	Distance from 0 (ft)	14 DAT		28 DAT	
		Injury	Height	Injury	Height
Plot:	205	0	0	34	0
Quadrant selected:	2	1	30	34	40
Total plants in 25'	170	2	0	33	0
Injured plants in 25':	0	3	0	32	1
injured 28 DAT:	1	4		31	57
	5			33	62
	6			33	58
	7			35	58
	8			34	62
	9			35	60
	10			31	53
	11			33	64
	12			34	57
	13			39	68
	14			36	61
	15			35	60
	16			35	58
	17			36	59
	18			32	61
	19			35	54
	20			34	58
	21			31	69
	22			38	61
	23			32	60
	24			31	54
	25	1		35	52

14 DAT -
1@ 17'3" 12%

Trial: 20-ARL-SBZ2

Date: 14 DAT - 7/22 28 DAT -

Rating:

	Distance from 0 (ft)	14 DAT		28 DAT	
		Injury	Height	Injury	Height
Plot: 206	0	5	32	15	60
Quadrant selected: 4	1	10	35	10	63
Total plants in 25'	162	2	10	35	63
Injured plants in 25': 15	3	0	34	0	64
injured 28 DAT: 16	4	2	36	1	62
	5	0	33		62
	6	1	35		59
	7	1	34		73
	8	1	37		66
	9		39		62
	10		35		63
	11		38		63
	12		39		70
	13		30		60
	14		27		57
	15		24		60
	16		29		63
	17		34		56
	18		36		64
	19		36		64
	20		35		65
	21		37		64
	22		33		61
	23		35		53
	24		35		44
	25		30		45

	Distance from 0 (ft)	14 DAT		28 DAT	
		Injury	Height	Injury	Height
Plot: 207	0	0	36	0	68
Quadrant selected: 4	1		35		62
Total plants in 25'	152	2		32	66
Injured plants in 25': 0	3		36		64
injured 28 DAT: 0	4		35		65
	5		36		67
	6		37		63
	7		35		64
	8		38		66
	9		38		73
	10		35		72
	11		35		65
	12		36		66
	13		31		64
	14		33		64
	15		26		63
	16		35		60
	17		36		62
	18		34		61
	19		32		61
	20		32		63
	21		21		71
	22		33		73
	23		36		61
	24		30		57
	25		36		68

Trial: 20-ARL-SB22

Date: 14 DAT - 7/22 28 DAT -

Rating:

D fr n 0	tan	14 DAT		28 DAT	
		Injury	Height	Injury	Height
Plot: 208	0	0	34	0	60
Quadrant selected: 4	1	1	32	62	
Total plants in 25': 143	2	1	34	61	
Injured plants in 25': 5	3	1	32	56	
Injured 28 DAT: 0	4	1	35	53	
	5	1	31	55	
	6	1	30	55	
	7	1	34	62	
	8	1	35	65	
	9	1	35	60	
	10	1	34	58	
	11	1	31	60	
	12	1	34	60	
	13	1	36	62	
	14	1	34	57	
	15	1	29	60	
	16	1	33	60	
	17	1	33	60	
	18	1	34	60	
	19	1	37	63	
	20	1	36	65	
	21	1	35	60	
	22	1	33	60	
	23	1	32	63	
	24	1	35	63	
	25	1	36	-	54

Distance from 0 (ft)	14 DAT		28 DAT	
	Injury	Height	Injury	Height
Plot: 209	0	3025	27	25
Quadrant selected: 4	1	15	31	56
Total plants in 25': 144	2	3	32	60
Injured plants in 25': 11	3	3	33	60
Injured 28 DAT: 10	4	0	33	63
	5	1	29	56
	6	1	31	58
	7	1	36	58
	8	1	35	59
	9	1	32	56
	10	1	35	60
	11	1	32	56
	12	1	29	66
	13	1	33	61
	14	1	35	60
	15	1	31	70
	16	1	33	65
	17	1	33	60
	18	1	26	60
	19	1	31	57
	20	1	32	58
	21	1	32	59
	22	1	29	56
	23	1	33	64
	24	1	31	56
	25	1	31	33

Trial: 20-ARL-SB22

Date: 14 DAT - 7/22 28 DAT -

Rating:

	Distance from 0 (ft)	14 DAT		28 DAT	
		Injury	Height	Injury	Height
Plot: 210	0	2	29	3	60
Quadrant selected: 2	1	2	33	0	58
Total plants in 25'	2	0	30	1	59
Injured plants in 25':	3	1	36	1	60
Injured 28 DAT:	4	1	34	1	61
	5	1	30	1	60
	6	1	33	1	60
	7	1	33	1	59
	8	1	36	1	61
	9	1	37	1	59
	10	1	34	1	65
	11	1	32	1	60
	12	1	34	1	60
	13	1	31	1	61
	14	1	29	1	58
	15	1	33	1	57
	16	1	29	1	58
	17	1	31	1	60
	18	1	31	1	64
	19	1	31	1	59
	20	1	36	1	60
	21	1	34	1	62
	22	1	32	1	63
	23	1	34	1	60
	24	1	31	1	51
	25	1	30	1	65

14 DAT -
not much injury?
{ 1 plant in Q4 showing
injury

	Distance from 0 (ft)	14 DAT		28 DAT	
		Injury	Height	Injury	Height
Plot: 211	0	310	31	25	60
Quadrant selected: 2	1	20	33	0	58
Total plants in 25'	2	5	35	5	60
Injured plants in 25':	3	5	35	2	65
Injured 28 DAT:	4	3	36	0	63
	5	3	32	1	73
	6	0	33	1	59
	7	0	32	1	56
	8	1	32	1	60
	9	27		62	
	10	33		62	
	11	34		57	
	12	35		57	
	13	29		57	
	14	30		54	
	15	34		60	
	16	35		64	
	17	33		61	
	18	33		58	
	19	32		63	
	20	36		59	
	21	31		66	
	22	32		67	
	23	36		58	
	24	33		60	
	25	34		61	

Trial: 20-ARL-SB22

Date: 14 DAT - 7/22 28 DAT -

Rating:

	Distance from 0 (ft)	14 DAT		28 DAT	
		Injury	Height	Injury	Height
Plot: 212	0	15	37	15	61
Quadrant selected: 2	1	5	35	21	60
Total plants in 25'	2	3	34	10	64
Injured plants in 25':	3	5	39	21	64
Injured 28 DAT:	4	5	38	0	65
	5	5	38	5	65
	6	8	29	5	60
	7	2	34	0	62
	8	0	36	1	73
	9	1	36		66
	10		37		63
	11		38		64
	12		36		62
	13		34		64
	14		31		64
	15		33		62
	16		34		62
	17		35		62
	18		39		60
	19		34		60
	20		37		62
	21		34		60
	22		36		60
	23		29		53
	24		30		54
	25	-	32		57

	Distance from 0 (ft)	14 DAT		28 DAT	
		Injury	Height	Injury	Height
Plot: 213	0	15	34	15	71
Quadrant selected: 2	1	15	33	20	66
Total plants in 25'	2	8	34	12	60
Injured plants in 25':	3	15	32	12	63
Injured 28 DAT:	4	10	36	12	63
	5	8	32	5	58
	6	5	35	5	60
	7	5	37	0	63
	8	0	37		65
	9	1	34		60
	10		33		60
	11		33		63
	12		37		66
	13		36		60
	14		37		62
	15		35		64
	16		32		66
	17		37		70
	18		36		62
	19		33		59
	20		33		62
	21		31		77
	22		33		54
	23		31		60
	24		35		60
	25		31		57

Trial: 20-ARL-SB22

Date: 14 DAT - 7/22 28 DAT -

Rating:

	Distance from 0 (ft)	14 DAT		28 DAT	
		Injury	Height	Injury	Height
Plot: 1301	0	10	29	15	62
Quadrant selected: 2	1	5	33	0	60
Total plants in 25'	139	2	0	34	60
Injured plants in 25':	2	3	1	36	62
injured 28 DAT:	3	4	0	35	62
	5	1	37	71	
	6	1	34	67	
	7	1	32	61	
	8	1	33	60	
	9	1	33	60	
	10	1	31	68	
	11	1	34	64	
	12	1	32	60	
	13	1	34	61	
	14	1	32	62	
	15	1	30	71	
	16	1	24	60	
	17	1	24	57	
	18	1	25	54	
	19	1	33	56	
	20	1	31	51	
	21	1	34	62	
	22	1	32	63	
	23	1	31	63	
	24	1	31	60	
	25	1	30	1	61

14 DAT -
minor injury

	Distance from 0 (ft)	14 DAT		28 DAT	
		Injury	Height	Injury	Height
Plot: 1302	0	35	34	30	57
Quadrant selected: 2	1	13	34	7	59
Total plants in 25'	142	2	13	36	60
Injured plants in 25':	13	3	0	32	58
injured 28 DAT:	15	4	0	32	64
{ injury concentrated in { center of plot { for quad 2-4	5	1	34	62	
14 DAT	6	1	38	74	
	7	1	32	64	
	8	1	33	65	
	9	1	34	63	
	10	1	35	56	
	11	1	35	66	
	12	1	34	63	
	13	1	37	63	
	14	1	36	66	
	15	1	35	63	
	16	1	31	63	
	17	1	33	60	
	18	1	32	65	
	19	1	33	58	
	20	1	36	73	
	21	1	36	64	
	22	1	35	60	
	23	1	32	62	
	24	1	35	62	
	25	1	32	1	62

Trial: 20-ARL-SB22

Date: 14 DAT - 7/22 28 DAT -

Rating:

Plot:	Distance from 0 (ft)	14 DAT		28 DAT	
		Injury	Height	Injury	Height
303	0	0	33	0	62
Quadrant selected: 2	1	1	34	1	62
Total plants in 25': 149	2	1	39	1	68
Injured plants in 25': 0	3		32		59
injured 28 DAT: 0	4		31		62
	5		30		69
	6		40		67
	7		35		63
	8		39		67
	9		34		68
	10		33		64
	11		35		61
	12		33		62
	13		32		63
	14		32		60
	15		33		60
	16		36		64
	17		34		62
	18		33		60
	19		37		71
	20		36		65
	21		30		58
	22		33		55
	23		34		63
	24		35		61
	25		32		67

Plot:	Distance from 0 (ft)	14 DAT		28 DAT	
		Injury	Height	Injury	Height
304	0	30	34	35	60
Quadrant selected: 2	1	25	37	30	68
Total plants in 25': 151	2	25	33	20	60
Injured plants in 25': 37	3	10	31	25	60
injured 28 DAT: 45	4	10	33	12	60
	5	3	33	5	58
	6	5	30	5	60
	7	0	36	0	56
	8		34		70
	9		33		62
	10		36		67
	11		33		66
	12		35		65
	13		34		65
	14		36		62
	15		30		63
	16		34		64
	17		36		61
	18		36		65
	19		35		66
	20		34		65
	21		32		68
	22		32		59
	23		33		64
	24		34		61
	25		35	4	58

Trial: 20-ARL-SBZ2

Date: 14 DAT - 7/22 28 DAT -

Rating:

	Distance from 0 (ft)	14 DAT		28 DAT	
		Injury	Height	Injury	Height
Plot: 305	0	55	32	12	60
Quadrant selected: 2	1	8	32	15	68
Total plants in 25': 154	2	2	32	0	56
Injured plants in 25': 10	3	0	31	0	51
injured 28 DAT: 13		4	33		60
	5	1	29		62
	6	1	32		60
	7	1	34		64
	8	1	33		62
	9	1	36		60
	10	1	34		64
	11	1	32		70
	12	1	32		60
	13	1	31		60
	14	1	31		62
	15	1	32		61
	16	1	32		60
	17	1	31		62
	18	1	39		62
	19	1	34		64
	20	1	34		69
	21	1	32		60
	22	1	34		60
	23	1	33		64
	24	1	33		60
	25	1	35		43

	Distance from 0 (ft)	14 DAT		28 DAT	
		Injury	Height	Injury	Height
Plot: 306	0	15	31	35	56
Quadrant selected: 2	1	20	26	25	64
Total plants in 25': 146	2	20	34	20	66
Injured plants in 25': 63	3	17	32	20	60
injured 28 DAT: 56		4	20	32	47
	5	20	30	5	51
	6	17	30	7	57
	7	17	34	40	60
	8	12	33	40	50
	9	8	29	10	60
	10	5	30	0	60
	11	8	33		65
	12	3	33		62
	13	2	34		62
	14	4	34		58
	15	0	39		65
	16	1	30		67
	17	0	39		65
	18	1	36		65
	19			34	63
	20			37	69
	21			39	71
	22			39	66
	23			39	67
	24			36	73
	25			34	59

Trial: 20-ARL-SB22

Date: 14 DAT - 7/22 28 DAT -

Rating:

	Distance from 0 (ft)	14 DAT		28 DAT	
		Injury	Height	Injury	Height
Plot: 307	0	5	31	7	68
Quadrant selected: 1	1	15	33	10	66
Total plants in 25'	2	10	32	5	60
Injured plants in 25':	3	8	32	5	66
Injured 28 DAT:	4	10	33	5	60
	5	12	32	0	62
	6	10	34	1	64
	7	12	27	1	62
	8	10	32	1	62
	9	8	34		64
	10	4	36		66
	11	1	31		63
	12	0	36		65
	13	1	36		66
	14	1	33		65
	15	34			68
	16	32			66
	17	34			68
	18	34			69
	19	36			68
	20	37			71
	21	37			65
	22	36			65
	23	39			63
	24	36			65
	25	1	34	1	60

14 DAT -
severe patch just to 5 in
quad 3

more consistent injury in
quad 1

	Distance from 0 (ft)	14 DAT		28 DAT	
		Injury	Height	Injury	Height
Plot: 308	0	0	36	0	63
Quadrant selected: 1	1	0	37	1	72
Total plants in 25'	2	1	35	1	64
Injured plants in 25':	3	1	34	1	67
Injured 28 DAT:	4	1	40	1	69
	5	1	37	1	67
	6	1	37	1	69
	7	1	37	1	66
	8	1	37	1	63
	9	1	36	1	64
	10	1	36	1	66
	11	1	37	1	65
	12	1	37	1	70
	13	1	38	1	58
	14	1	36	1	67
	15	1	40	1	70
	16	1	36	1	67
	17	1	33	1	67
	18	1	37	1	66
	19	1	37	1	69
	20	1	40	1	60
	21	1	39	1	68
	22	1	37	1	63
	23	1	34	1	67
	24	1	34	1	71
	25	1	37	1	56

Trial: 20-ARL-SB22

Date: 14 DAT - 7/22 28 DAT -

Rating:

	Distance from 0 (ft)	14 DAT		28 DAT	
		Injury	Height	Injury	Height
Plot: 309	0	8	36	50	59
Quadrant selected: 1	1	10	37	15	71
Total plants in 25'	138	2	20	33	25
Injured plants in 25':	66	3	30	34	58
Injured 28 DAT:	29	4	30	32	30
	5	30	37	30	67
	6	30	34	30	58
	7	30	32	25	63
	8	18	36	25	61
	9	15	34	15	61
	10	10	36	5	63
	11	5	36	0	64
	12	0	35	1	65
	13	0	35	1	62
	14	1	34	1	62
	15	1	35	1	64
	16	1	33	1	62
	17	1	38	1	64
	18	1	34	1	64
	19	1	33	1	64
	20	1	35	1	65
	21	1	36	1	64
	22	1	35	1	65
	23	1	31	1	65
	24	1	32	1	65
	25	1	39	1	70

	Distance from 0 (ft)	14 DAT		28 DAT	
		Injury	Height	Injury	Height
Plot: 310	0	35	34	20	60
Quadrant selected: 1	1	25	32	5	64
Total plants in 25'	145	2	70	32	12
Injured plants in 25':	72	3	13	31	40
Injured 28 DAT:	75	4	12	34	15
	5	15	12	32	40
	6	15	34	7	60
	7	10	31	5	61
	8	15	31	10	63
	9	20	36	5	60
	10	10	30	5	62
	11	5	32	0	64
	12	0	30	1	62
	13	1	31	1	64
	14	1	34	1	63
	15	1	36	1	65
	16	1	36	1	63
	17	1	33	1	60
	18	1	28	1	60
	19	1	31	1	58
	20	1	31	1	58
	21	1	30	1	61
	22	1	27	1	57
	23	1	30	1	57
	24	1	29	1	54
	25	1	36	1	56

Trial: 20-ARL-SB22

Date: 14 DAT - 7/22 28 DAT -

Rating:

	Distance from 0 (ft)	14 DAT		28 DAT	
		Injury	Height	Injury	Height
Plot: 311	0	5	32	15	60
Quadrant selected: 2	1	1	35	0	61
Total plants in 25'	154	2	0	36	57
Injured plants in 25':	1	3	0	32	63
Injured 28 DAT: 1	4	0	37		63
14 DAT -	5	0	32		57
*this is the plot we had to shift forward	6	15	32		63
	7	0	34		64
	8	1	41		70
	9		35		73
	10		33		61
	11		33		63
	12		34		57
	13		34		65
	14		33		64
	15		34		63
	16		32		60
	17		24		60
	18		36		53
	19		34		57
	20		34		62
	21		33		64
	22		36		64
	23		36		64
	24		30		62
	25		31		60

	Distance from 0 (ft)	14 DAT		28 DAT	
		Injury	Height	Injury	Height
Plot: 312	0	15	30	15	60
Quadrant selected: 4	1	0	36	0	65
Total plants in 25'	152	2	0	34	66
Injured plants in 25':	6	3	0	35	65
Injured 28 DAT: 8	4		79		63
	5		31		62
	6		35		66
	7		34		65
	8		31		65
	9		31		65
	10		33		65
	11		36		60
	12		31		63
	13		33		63
	14		33		60
	15		33		60
	16		31		61
	17		31		62
	18		33		60
	19		34		71
	20		32		68
	21		32		64
	22		33		64
	23		31		68
	24		31		63
	25	-	32	-	63

N
↑
1 | 2
3 | 4

Trial: 20-ARL-SB22

Date: 14 DAT - 7/22 28 DAT -

Rating:

	Distance from 0 (ft)	14 DAT		28 DAT	
		Injury	Height	Injury	Height
Plot: 313	0	40	74	25	60
Quadrant selected: 4	1	35	34	20	57
Total plants in 25'	2	8	33	25	60
Injured plants in 25':	3	0	34	0	65
Injured 28 DAT: 19	4	1	36	1	57
	5		34		61
	6		35		65
	7		35		63
	8		33		64
	9		37		60
	10		32		62
	11		32		63
	12		31		64
	13		30		65
	14		31		64
	15		34		60
	16		31		60
	17		23		68
	18		31		63
	19		27		61
	20		30		63
	21		30		63
	22		31		62
	23		30		60
	24		33		63
	25	1	32	1	58

Soy close to R2

V4@app

2 fully expanded trifoliates
showing injury + some close @ meristem

	Distance from 0 (ft)	14 DAT		28 DAT	
		Injury	Height	Injury	Height
Plot:	0				
Quadrant selected:	1				
Total plants in 25'	2				
Injured plants in 25':	3				
	4				
	5				
	6				
	7				
	8				
	9				
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
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	20				
	21				
	22				
	23				
	24				
	25				