

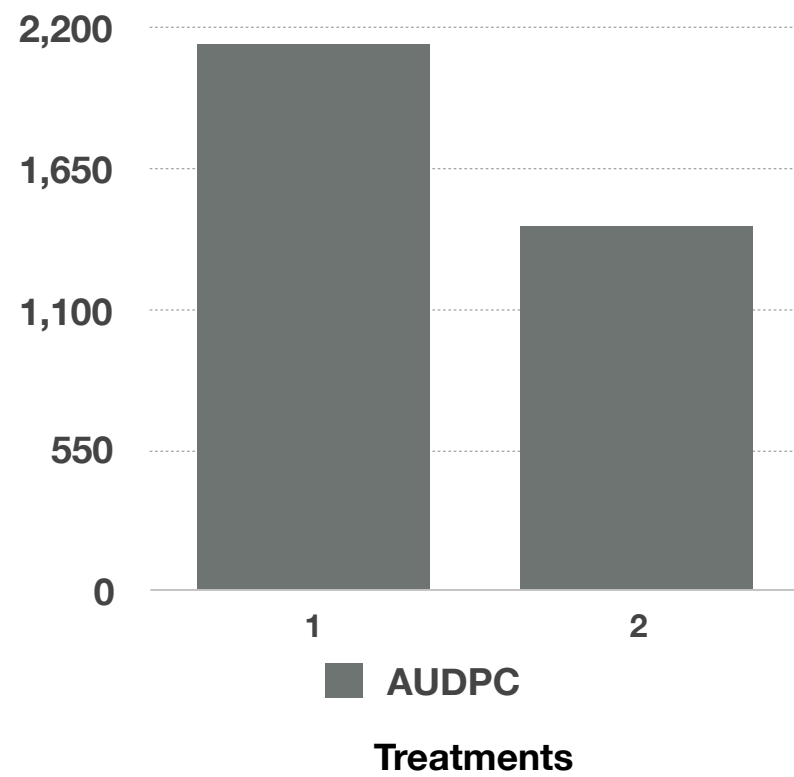
2016-2018 Carrot Alternaria leaf spot/blight research trial data. University of Florida, NFREC, Live Oak, FL
Research conducted by: Susannah Da Silva, Todd Porter, Ben Broughton, Bob Hochmuth, Mathews Paret

Disease severity (AUDPC) on carrot - Fall 2017 - Spring 2018

TREATMENT (RATE/A)		AUDPC	DISEASE SEVERITY (FINAL)	
1	Control (Untreated) water	2,136 a	61	a
2	IPM Fungicide rotation program (Listed below)	1,424 b	29.5	b

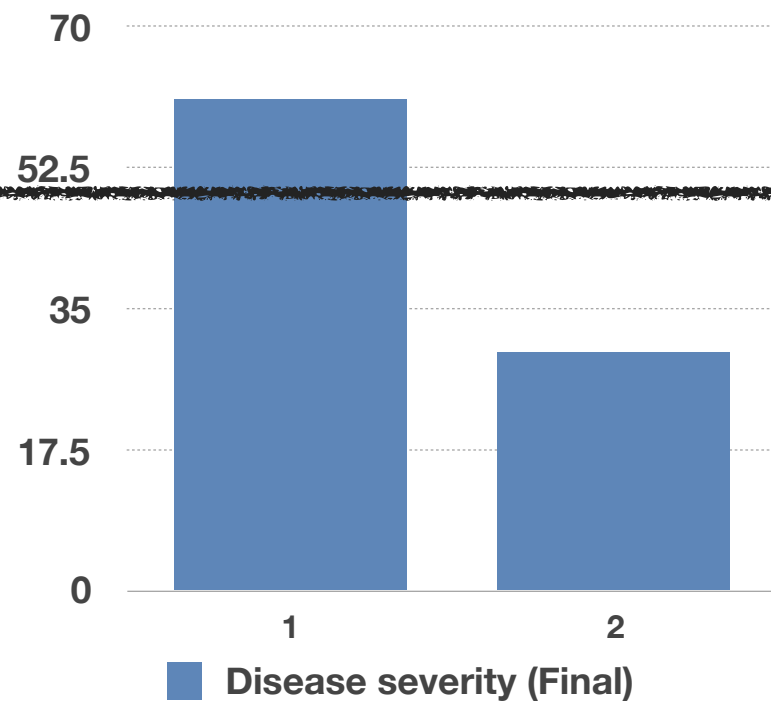
AUDPC: Area Under Disease Progress Curve. Higher the AUDPC, higher the disease severity over the period of the trial.

Different letters next to the treatments means that they are statistically different (Pr>F=0.05; LSD)



Week IPM Program (Treatment 2)

- 1 Bravo Weather Stik (32 oz/A)
- 2 Bravo Weather Stik (32 oz/A)
- 3 Bravo Weather Stik (32 oz/A)
- 4 Quadris (15.5 oz/A)
- 5 Quadris (15.5 oz/A)
- 6 Bravo Weather Stik (32 oz/A)
- 7 Bravo Weather Stik (32 oz/A)
- 8 Cabrio (12 oz/A)
- 9 Cabrio (12 oz/A)
- 10 Fontelis (24 oz/A)
- 11 Bravo Weather Stik (32 oz/A)
- 12 Bravo Weather Stik (32 oz/A)
- 13 Fontelis (24 oz/A)
- 14 Quadris (15.5 oz/A)
- 15 Bravo Weather Stik (32 oz/A)
- 16 Bravo Weather Stik (32 oz/A)
- 17 Fontelis (24 oz/A)
- 18 Bravo Weather Stik (32 oz/A)
- 19 Cabrio (12 oz/A)
- 20 Bravo Weather Stik (32 oz/A)



Maximum threshold of leaf blight for harvesting with mechanical harvester

Variety: Choctaw
 Plot length: 50 feet
 Plot width: 40 inches
 Distance between rows: 6 feet
 Number of reps: 4
 Transplanted: 12/18/17
 Inoculation: Natural
 Disease assessment dates: 1/18, 1/29, 2/9, 2/19, 3/5, 3/21, 3/28, 4/5, 4/11

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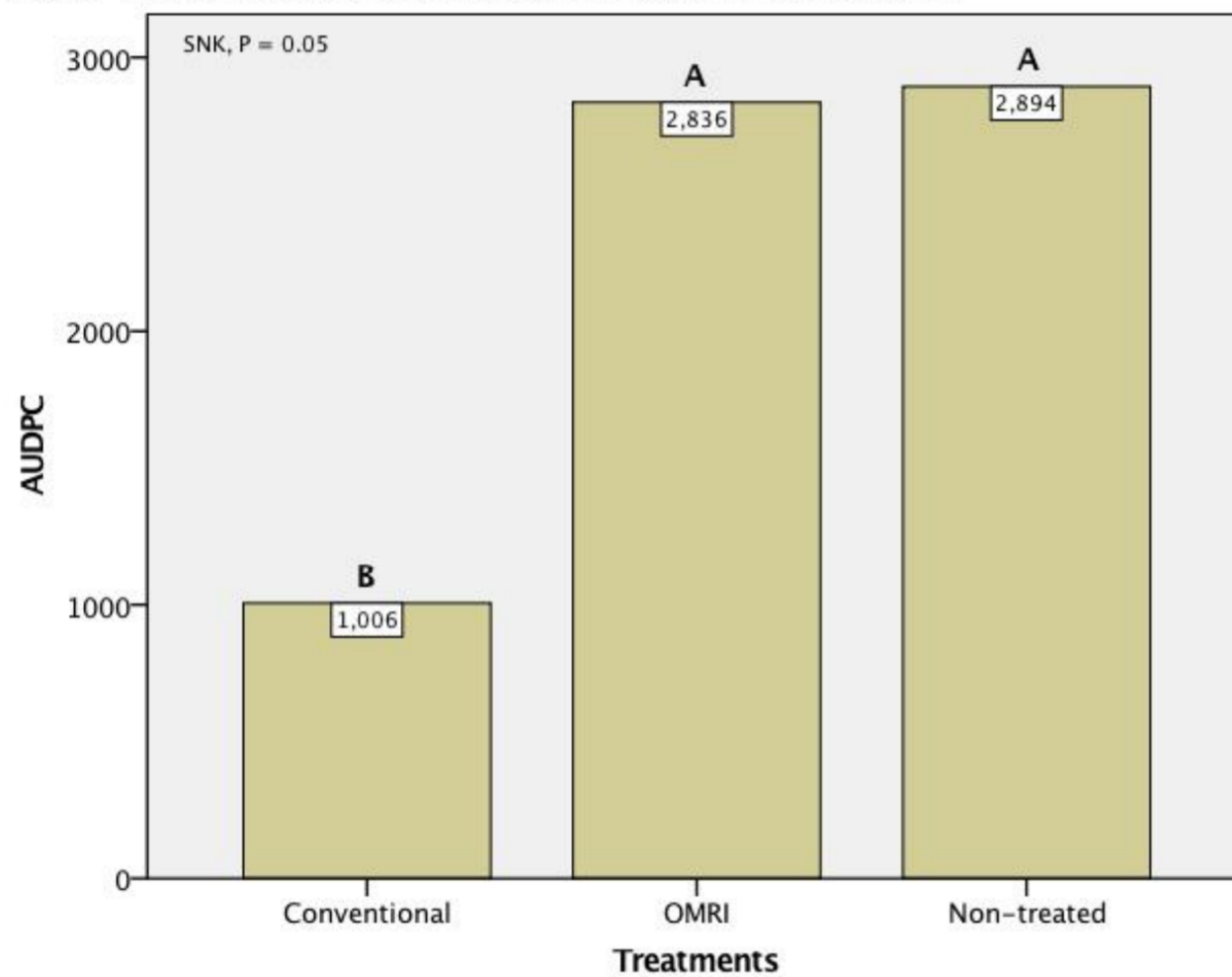
Disease severity (AUDPC) on carrot - Fall 2015 - Spring 2016

TREATMENT (RATE/A)		AUDPC	
1	Conventional - IPM Fungicide rotation program (Listed below)	1006	b
2	OMRI Program (Listed below)	2836	a
3	Non-treated (water)	2894	a

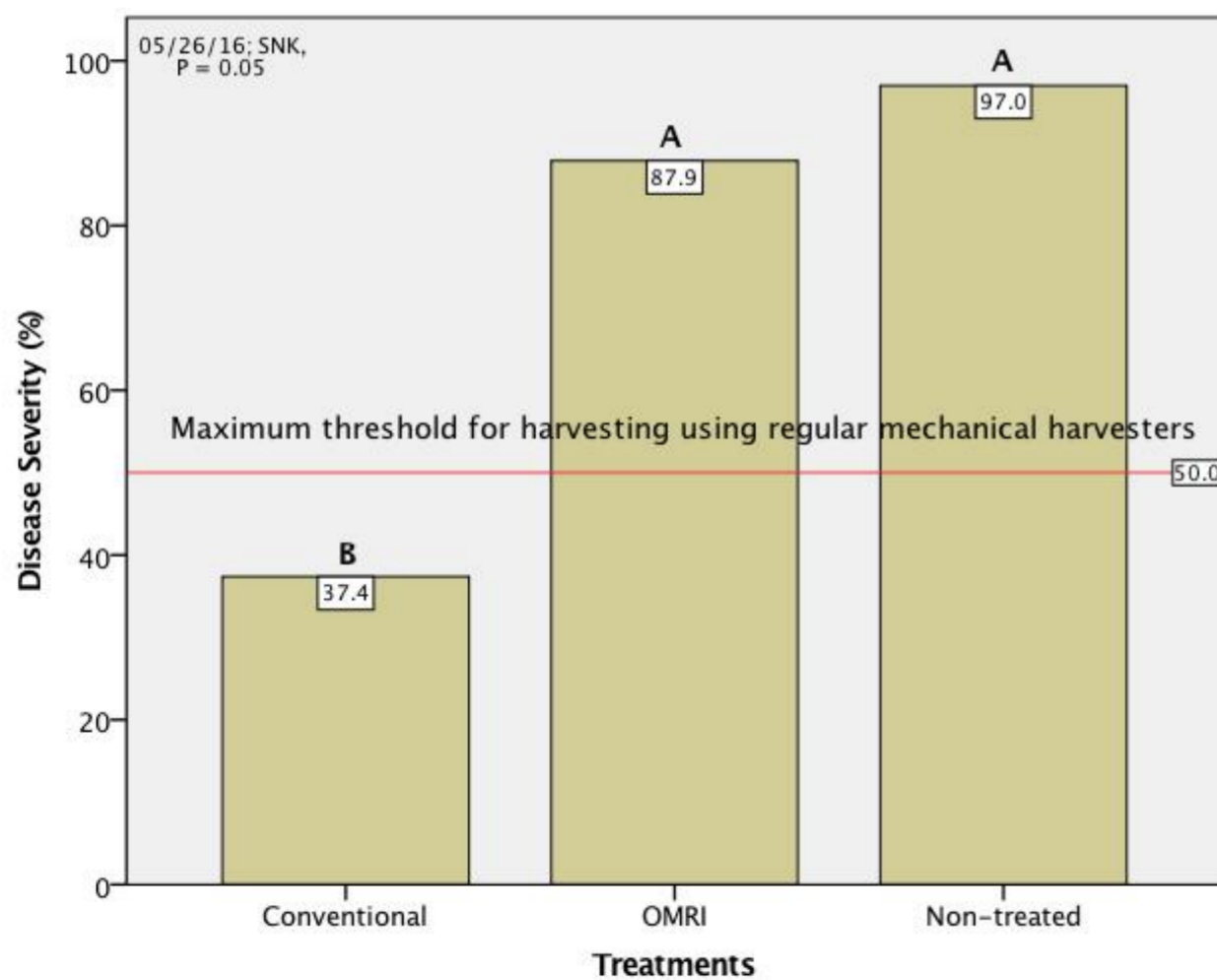
AUDPC: Area Under Disease Progress Curve. Higher the AUDPC, higher the disease severity over the period of the trial.

Different letters next to the treatments means that they are statistically different ($P > F = 0.05$; LSD)

Disease severity of carrot Alternaria leaf blight under conventional and OMRI-listed fungicides program in 2016 in Live Oak, FL



Week	OMRI program	Conventional Program
1	Serenade (32 oz)	Bravo Weather Stik (32 oz/A)
2	Serenade (32 oz)	Bravo Weather Stik (32 oz/A)
3	Serenade (32 oz)	Bravo Weather Stik (32 oz/A)
4	Actinovate (12 oz)	Quadris (15.5 oz/A)
5	Actinovate (12 oz)	Quadris (15.5 oz/A)
6	Serenade (32 oz)	Bravo Weather Stik (32 oz/A)
7	Serenade (32 oz)	Bravo Weather Stik (32 oz/A)
8	Actinovate (12 oz)	Cabrio (12 oz/A)
9	Actinovate (12 oz)	Cabrio (12 oz/A)
10	Serenade (32 oz)	Fontelis (24 oz/A)
11	Serenade (32 oz)	Bravo Weather Stik (32 oz/A)
12	Actinovate (12 oz)	Bravo Weather Stik (32 oz/A)
13	Actinovate (12 oz)	Fontelis (24 oz/A)
14	Actinovate (12 oz)	Quadris (15.5 oz/A)
15	Serenade (32 oz)	Bravo Weather Stik (32 oz/A)
16	Serenade (32 oz)	Bravo Weather Stik (32 oz/A)
17	Actinovate (12 oz)	Fontelis (24 oz/A)
18	Actinovate (12 oz)	Bravo Weather Stik (32 oz/A)



Varieties: Trooper, Sun 255
 Plot length: 50 feet
 Plot width: 40 inches
 Distance between rows: 6 feet
 Number of reps: 4
 Transplanted: 12/18/15
 Inoculation: Natural
 Disease assessment dates: 4/22, 5/2, 5/26