

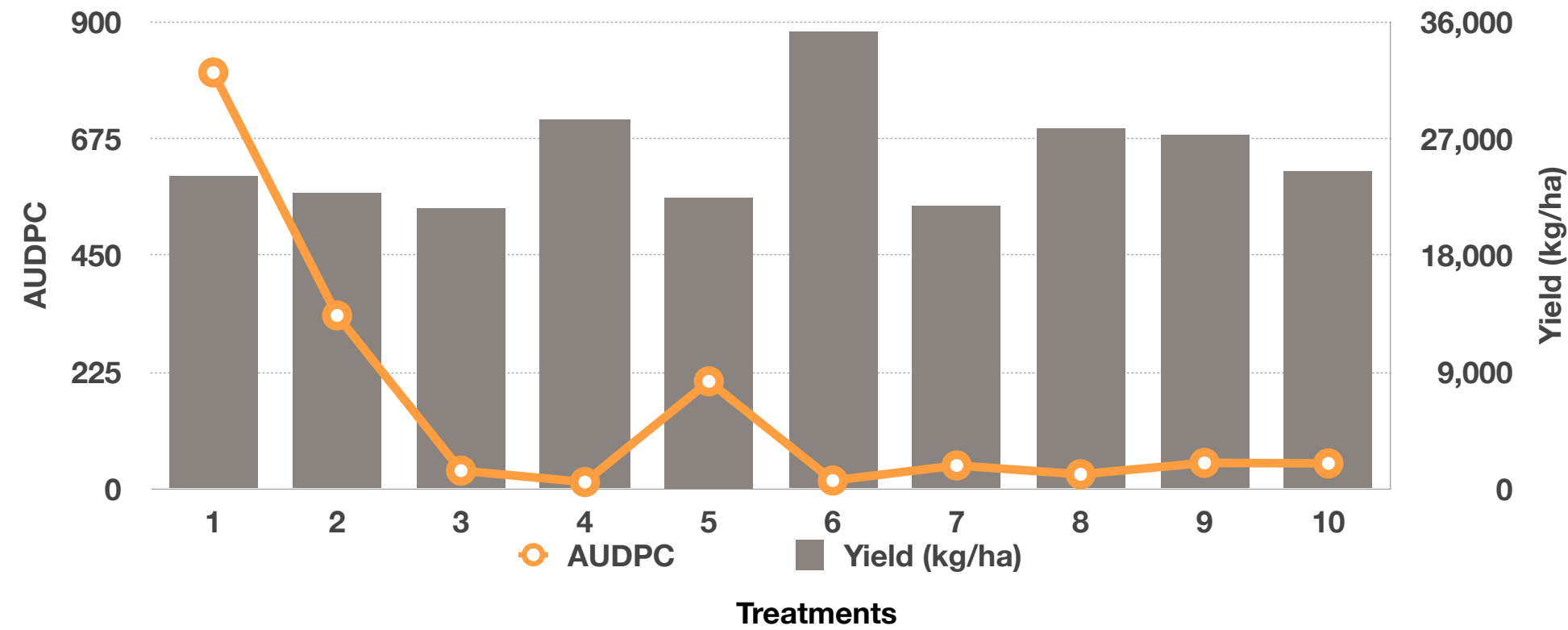
2010-2016 Cantaloupe Powdery Mildew research trial data. University of Florida, NFREC, Quincy, FL
Research conducted by: Laura Ritchie, Jackie Snell, Josh Freeman, Mathews Paret

Disease severity (AUDPC) and yield - Spring 2016

TREATMENT (RATE/A)		AUDPC		YIELD (KG/HA)	
1	Control (Untreated)	802	a	24,062	b
2	Quintec (6 oz) (1,3,5 w) alt Rally (5 oz) (2,4,6 w)	334	b	22,764	b
3	Torino 3.4 floz (1,3) alt Quintec 6floz (2,4) alt Procure 480SC 8floz (5)	35	c	21,634	ab
4	Experimental X Low rate	13	c	28,342	a
5	Experimental X High rate	207	bc	22,418	b
6	Experimental Y Low rate	16	c	35,282	a
7	Experimental Y High rate	45	c	21,698	b
8	Experimental Z Low rate	28	c	27,773	ab
9	Experimental Z High rate	50	c	27,239	ab
10	Oso 5%SC (6.5 fl oz) (1,2,4,5 w) alternated with Quintec 6 fl oz (3,6 w)	49	c	24,491	ab

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; Duncans multiple range test)



Variety: Hales Best Jumbo
Plot length: 20 feet
Number of plants per plot: 11
Plant spacing: 20 inches
Number of reps: 4
Transplanted: 4/4
Inoculation: Natural
Fungicide application dates: 4/21, 4/28, 5/6, 5/13, 5/20, 5/31
Diseases assessment dates: 4/27, 5/5, 5/12, 5/18, 5/27, 6/1, 6/8

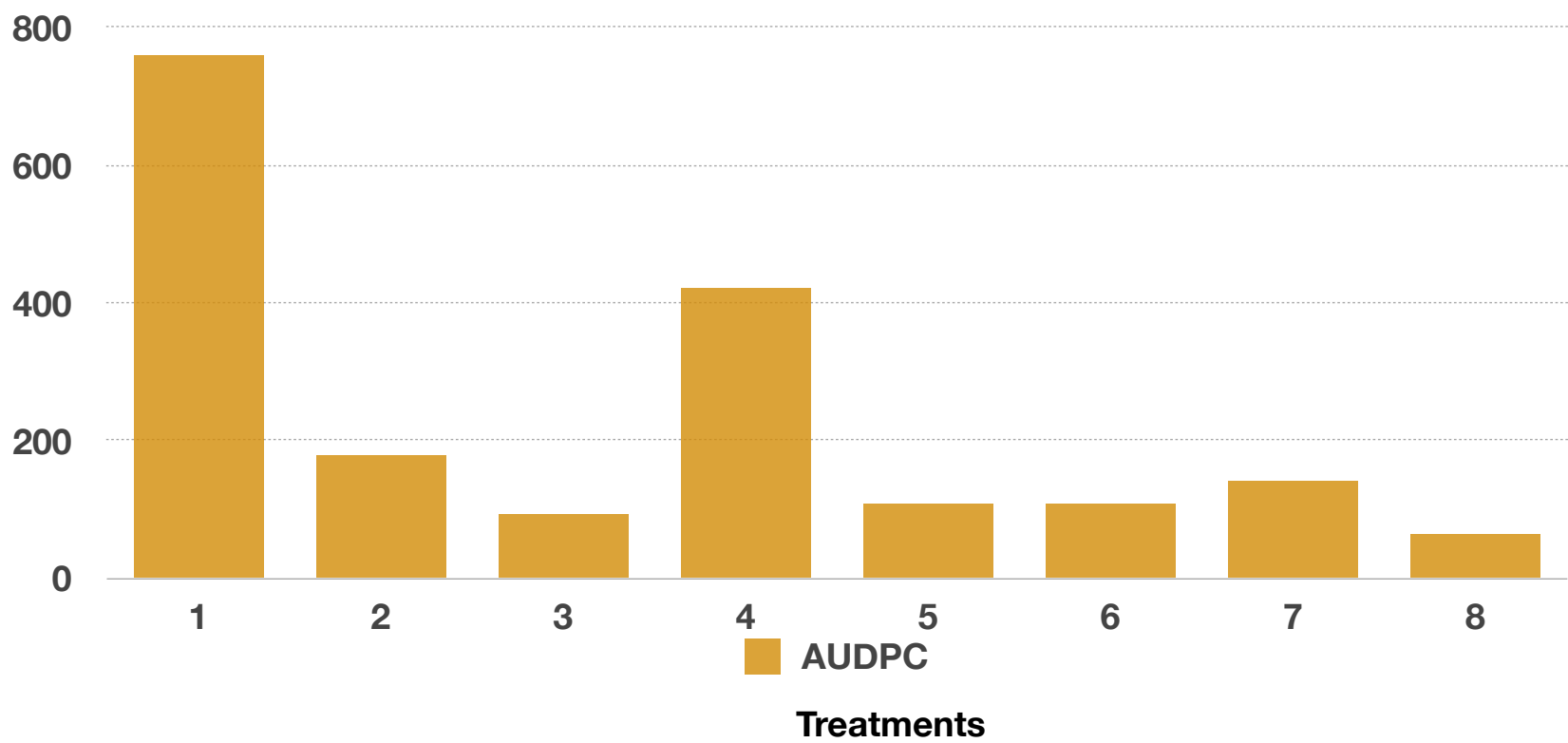
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Disease severity (AUDPC) - Spring 2015

TREATMENT (RATE/A)		AUDPC	
1	Control (Untreated)	761	a
2	Quintec (6 oz) (1,3,5 w) alt Rally (5 oz) (2,4,6 w)	179	c
3	Experimental 1 High rate	94	c
4	Experimental 1 Low rate	422	b
5	Experimental 2 High rate	108	c
6	Experimental 2 Low rate	108	c
7	Experimental 3	139	c
8	Experimental 4	63	c

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Variety: Hales Best Jumbo

Plot length: 21 feet

Number of plants per plot: 12

Plant spacing: 20 inches

Number of reps: 4

Transplanted: 3/31

Inoculation: Natural

Fungicide application dates: 4/29, 5/7, 4/14, 5/22, 5/29, 6/5

Diseases assessment dates: 4/27, 5/5, 5/12, 5/18, 5/27, 6/1, 6/8

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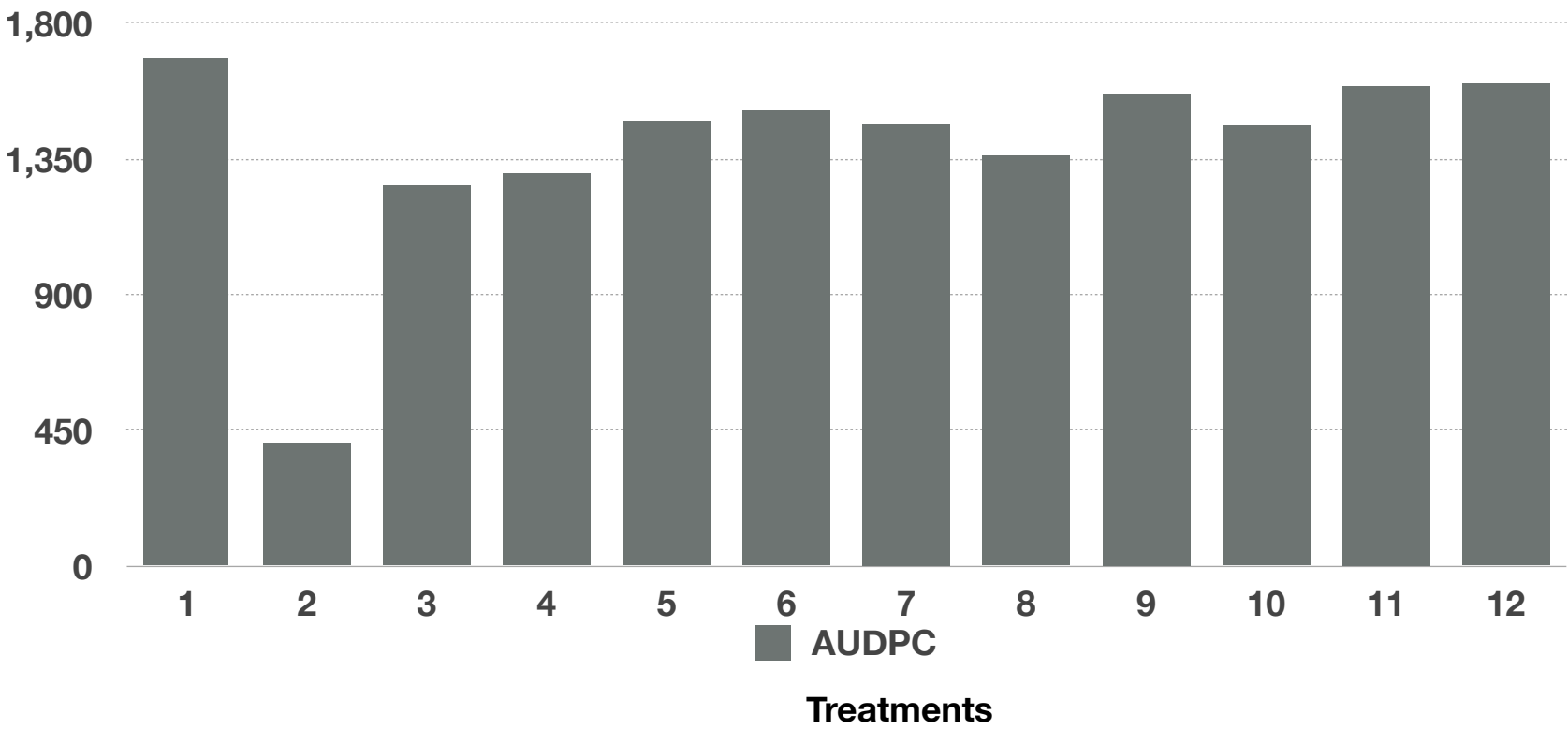
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Disease severity (AUDPC) - Spring 2013

TREATMENT (RATE/A)		AUDPC
1	Control (Untreated)	1,683 a
2	Quintec (6 oz) (1,3,5 w) alt Rally (5 oz) (2,4,6 w)	406 d
3	Experimental A Low rate (1-6 w)	1,262 c
4	Experimental A Medium rate (1-6 w)	1,304 bc
5	Experimental A High rate (1-6 w)	1,479 a-c
6	Experimental B Low rate (1-6 w)	1,507 a-c
7	Experimental B Medium rate (1-6 w)	1,469 a-c
8	Experimental B High rate (1-6 w)	1,357 a-c
9	Experimental C Low rate (1-6 w)	1,572 a-c
10	Experimental C Medium rate (1-6 w)	1,464 a-c
11	Experimental C Low rate (1-6 w)	1,590 a-c
12	Oxidate 2.0 (1.0% v/v) + Yucca Ag Aide (0.125% v/v) (1-6 w)	1,604 ab

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Variety: Classic

Plot length: 18 feet

Number of plants per plot: 10

Plant spacing: 18 inches

Number of reps: 6

Inoculation: Natural

Fungicide application dates: 4/10, 4/17, 4/24, 5/1, 5/8, 5/15

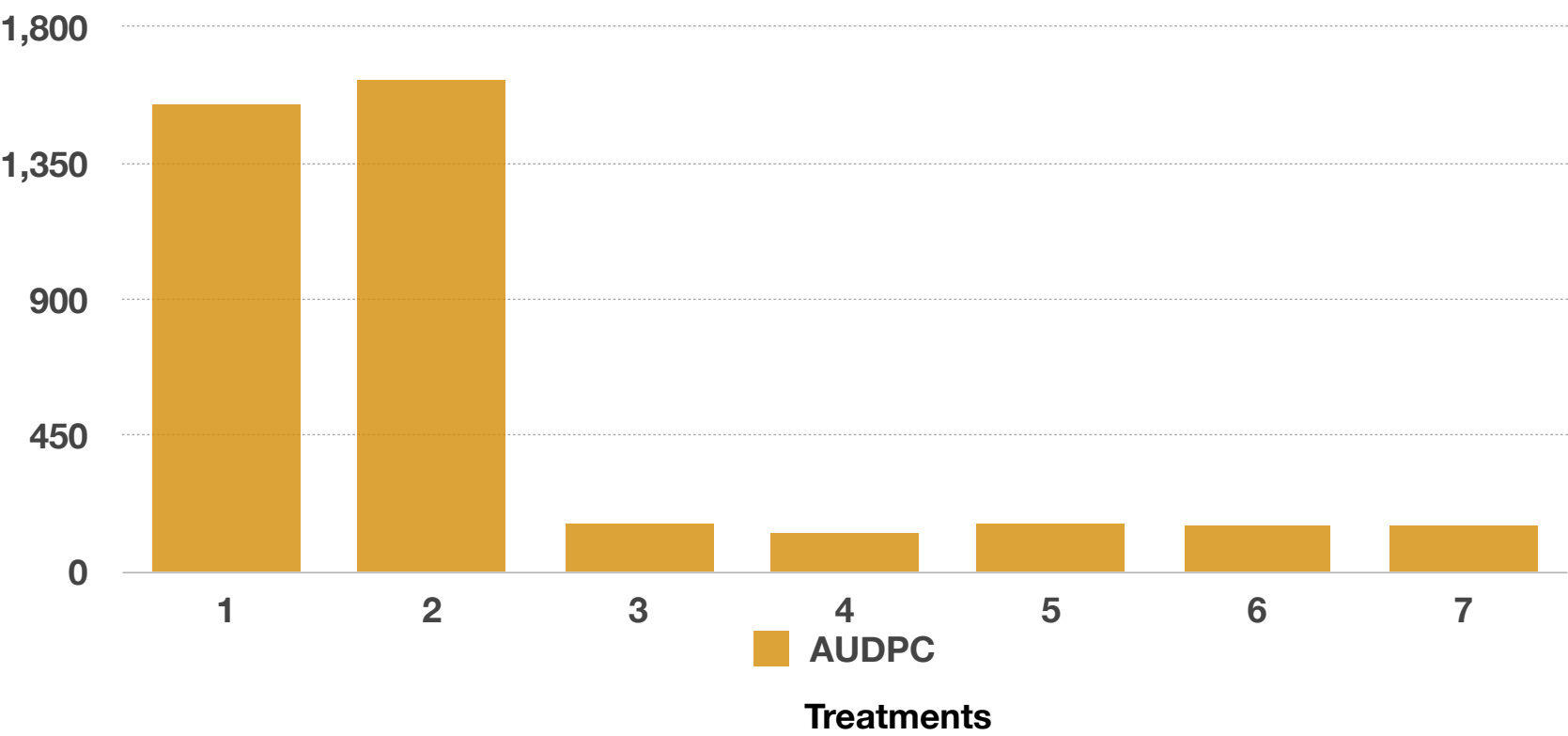
Diseases assessment dates: 4/9, 4/16, 4/23, 4/30, 5/7, 5/14, 5/21

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Disease severity (AUDPC) - Spring 2012

TREATMENT (RATE/A)		AUDPC	
1	Control (Untreated) - Water	1,545	a
2	Control (Untreated) - No Water	1,630	a
3	Rally 40 WSP (5 oz) (1,3,5 w) alternated with Topsin M 70WSP (8 oz) (2,4,6 w)	158	b
4	Torino (3.4 oz) (1,3 w), Quintec (6 oz) (2,4 w), Procure (8 oz) (5 w), Switch 62.5 WG (6 w)	128	b
5	Torino (3.4 oz) (1,3 w), Switch 62.5 WG (2,4 w), Procure (8 oz) (5 w), (2,4 w), Quintec (6 oz) (6 w)	160	b
6	Cabrio (14 oz) (1,6 w), Torino (3.4 oz) (2,4 w), Quintec (6 oz) ((3,5 w)	150	b
7	Quintec (6 oz) (1,3,5 w) alt Rally (5 oz) (2,4,6 w)	149	b

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Variety: Classic
Plot length: 18 feet
Number of plants per plot: 20
Plant spacing: 18 inches
Number of reps: 4
Inoculation: Natural

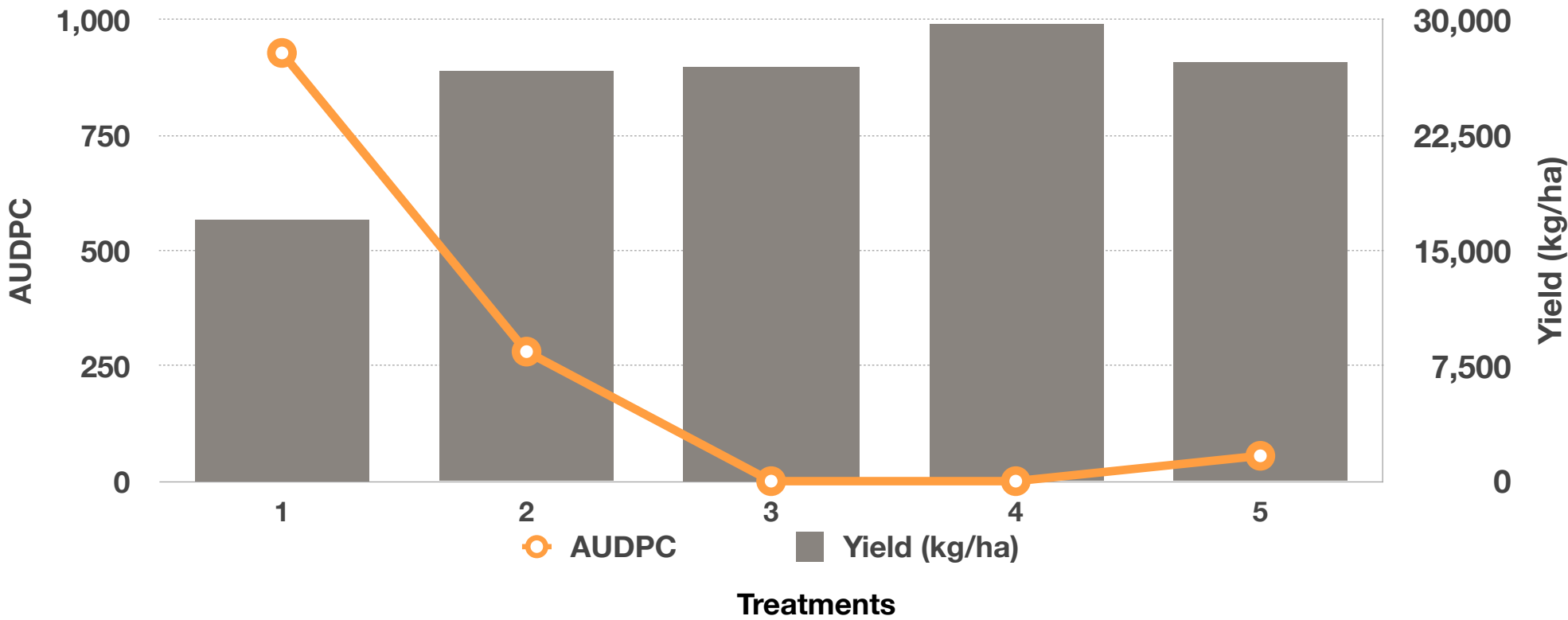
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Disease severity (AUDPC) and yield - Spring 2011

TREATMENT (RATE/A)		AUDPC		YIELD (KG/HA)	
1	Control (Untreated)	929	a	17,015	b
2	Rally 40 WSP (5 oz) (1,3,5 w) alternated with Topsin M 70WSP (8 oz) (2,4,6 w)	281	bc	26,658	a
3	Torino (3.4 oz) (1,3 w), Quintec (6 oz) (2,4 w), Procure (8 oz) (5 w), Switch 62.5 WG (6 w)	0	c	26,998	a
4	Torino (3.4 oz) (1,3 w), Switch 62.5 WG (2,4 w), Procure (8 oz) (5 w), (2,4 w), Quintec (6 oz) (6 w)	0	c	29,721	a
5	Cabrio (14 oz) (1,6 w), Torino (3.4 oz) (2,4 w), Quintec (6 oz) ((3,5 w)	55	c	27,225	a

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Variety: Starbrite
Date of planting: Mar 28, 2011
Plot length: 40 feet
Number of plants per plot: 20
Plant spacing: 18 inches
Number of reps: 4
Inoculation: Natural

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Representative pictures of field plot - Spring 2011

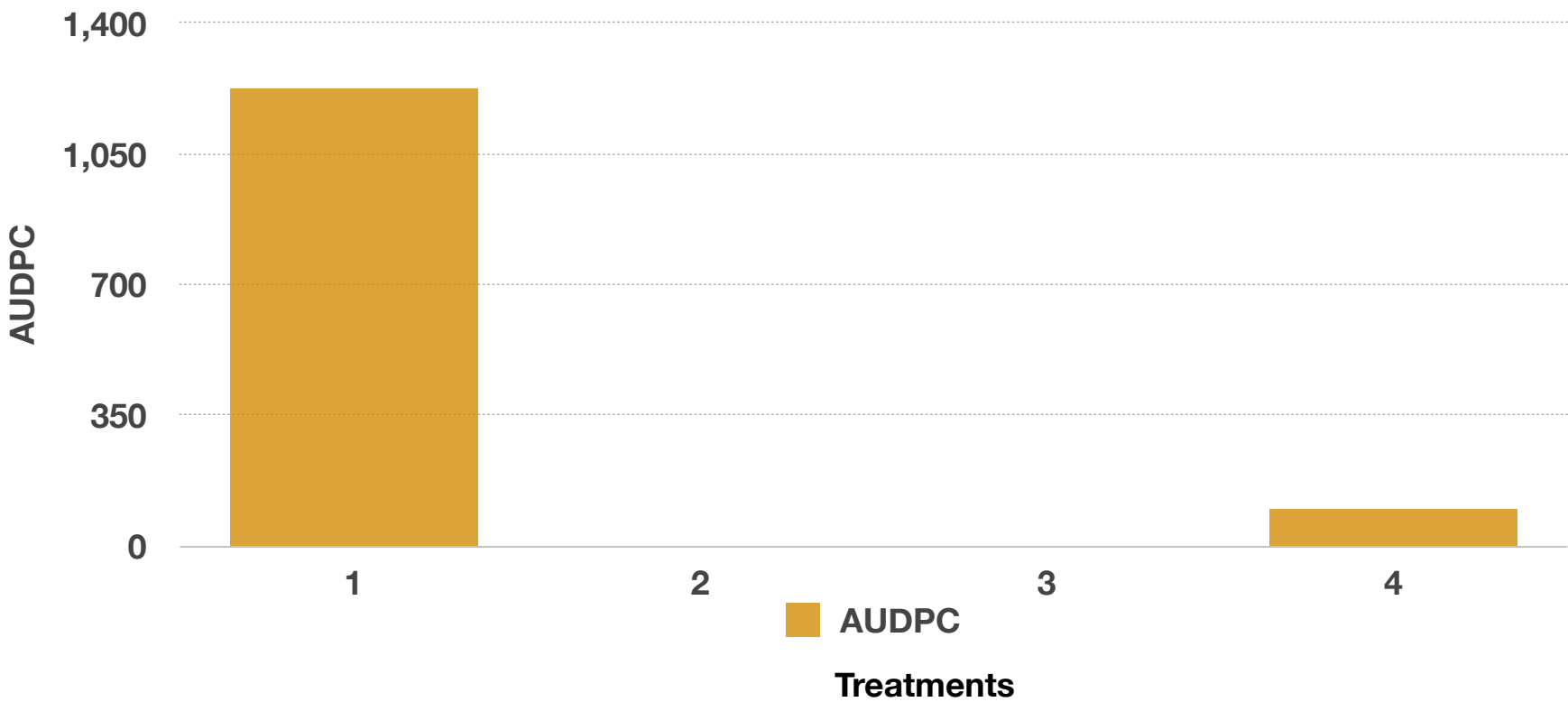


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Disease severity (AUDPC) - Spring 2010

TREATMENT (RATE/A)		AUDPC
1	Control (Untreated)	1,225 a
2	Torino (3.4 oz) + Procure (8 oz) (1-6 w)	0 b
3	Torino (3.4 oz) (1,3,5 w) alternated with Procure (8 oz) (2,4,6 w)	0 b
4	Quintec (6 oz) (1,3,5 w), alternated with Rally 40 WSP (5 oz) (2,4,6 w)	98 b

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Different letters next to the treatments means that they are statistically different ($Pr>F=0.05$; Duncan's multiple range test)



Variety: Classic
Plot length: 18 feet
Number of plants per plot: 20
Plant spacing: 18 inches
Number of reps: 4
Inoculation: Natural