

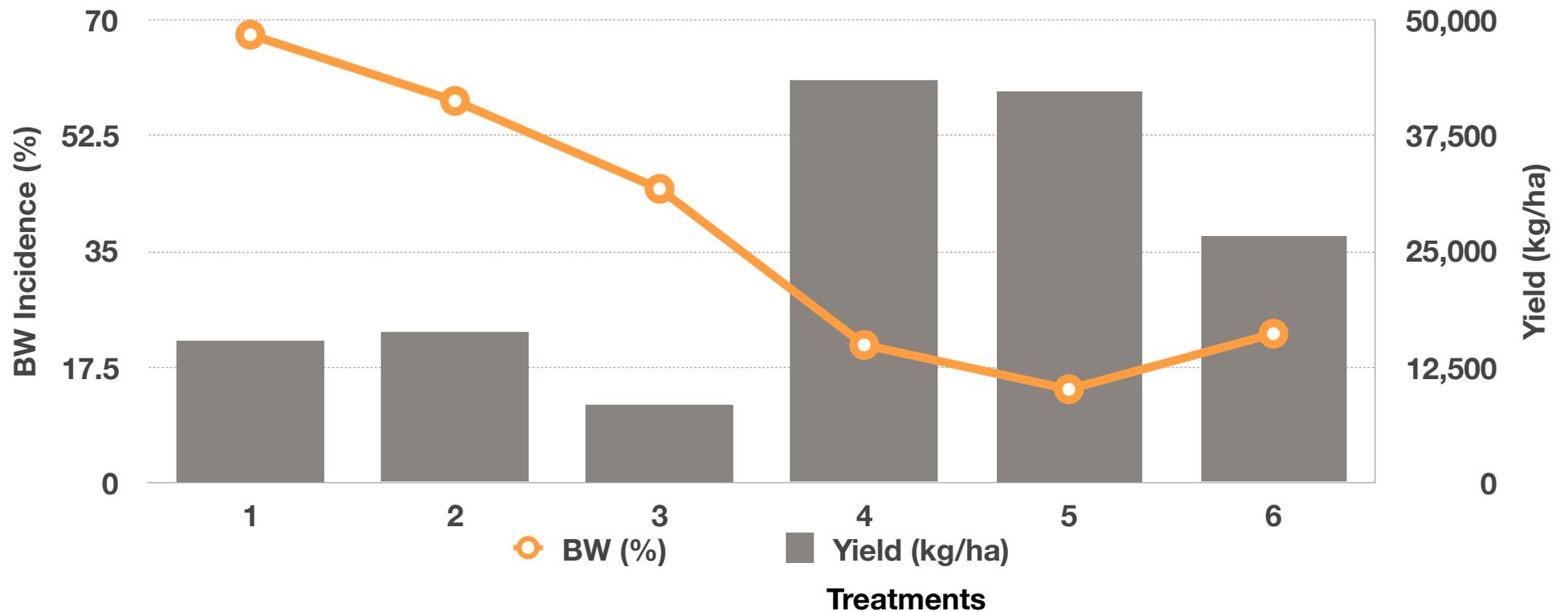
2009-2014 Tomato Bacterial wilt research trial data. University of Florida, NFREC, Quincy, FL
Research conducted by: Sanju Kunwar, Laura Ritchie, Jackie Snell, Steve Olson, Josh Freeman and Mathews Paret

BW incidence and marketable yield of tomato - Fall 2013-14 (combined)

TREATMENTS		BW (%)	YIELD (KG/HA)	
1	BHN 602 non-grafted (non-treated)	67.8	a	15,314 bc
2	BHN 602 non-grafted + ASM (Acibenzolar S-Methyl, Actigard) drip (0.5 oz./A)	57.8	ab	16,266 bc
3	BHN 602 non-grafted + ASM foliar (0.5 oz./A)	44.5	b	8,478 c
4	BHN 602 grafted to BHN 998 (non-treated)	20.9	c	43,408 a
5	BHN 602 grafted to BHN 998 + ASM drip (0.5 oz./A)	14.2	c	42,330 a
6	BHN 602 grafted to BHN 998 + ASM foliar (0.5 oz./A)	22.6	c	26,761 b

BW: Bacterial wilt. The % BW incidence indicated is at the end of the trial.

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



Number of plants per plot: 14-17
 Plant spacing: 20 inches
 Number of reps: 4
 Transplanted: 09/03/13 and 08/15/14

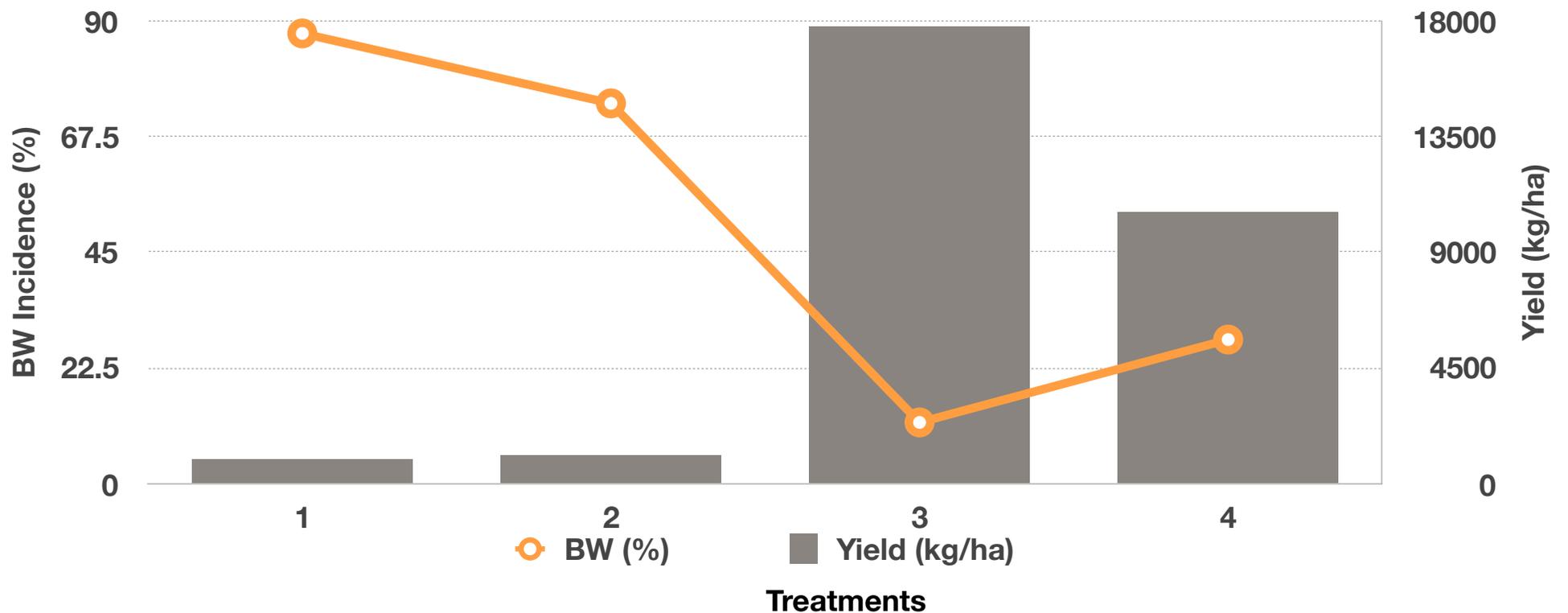
2009-2014 Tomato Bacterial wilt research trial data. University of Florida, NFREC, Quincy, FL
Research conducted by: Sanju Kunwar, Laura Ritchie, Jackie Snell, Steve Olson, Josh Freeman and Mathews Paret

BW incidence and marketable yield of tomato - Fall 2012

TREATMENTS		BW (%)	YIELD (KG/HA)	
1	BHN 602 non-grafted (non-treated)	87.5	a	966 c
2	BHN 602 non-grafted + ASM foliar (0.5 oz./A)	73.9	a	1,116 c
3	BHN 602 grafted to BHN 998 (non-treated)	11.9	b	17,784 a
4	BHN 602 grafted to BHN 998 + ASM foliar (0.5 oz./A)	28.0	b	10,535 b

BW: Bacterial wilt. The % BW incidence indicated is at the end of the trial.

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



Number of plants per plot: 14
 Plant spacing: 20 inches
 Number of reps: 4
 Transplanted: 08/09/12

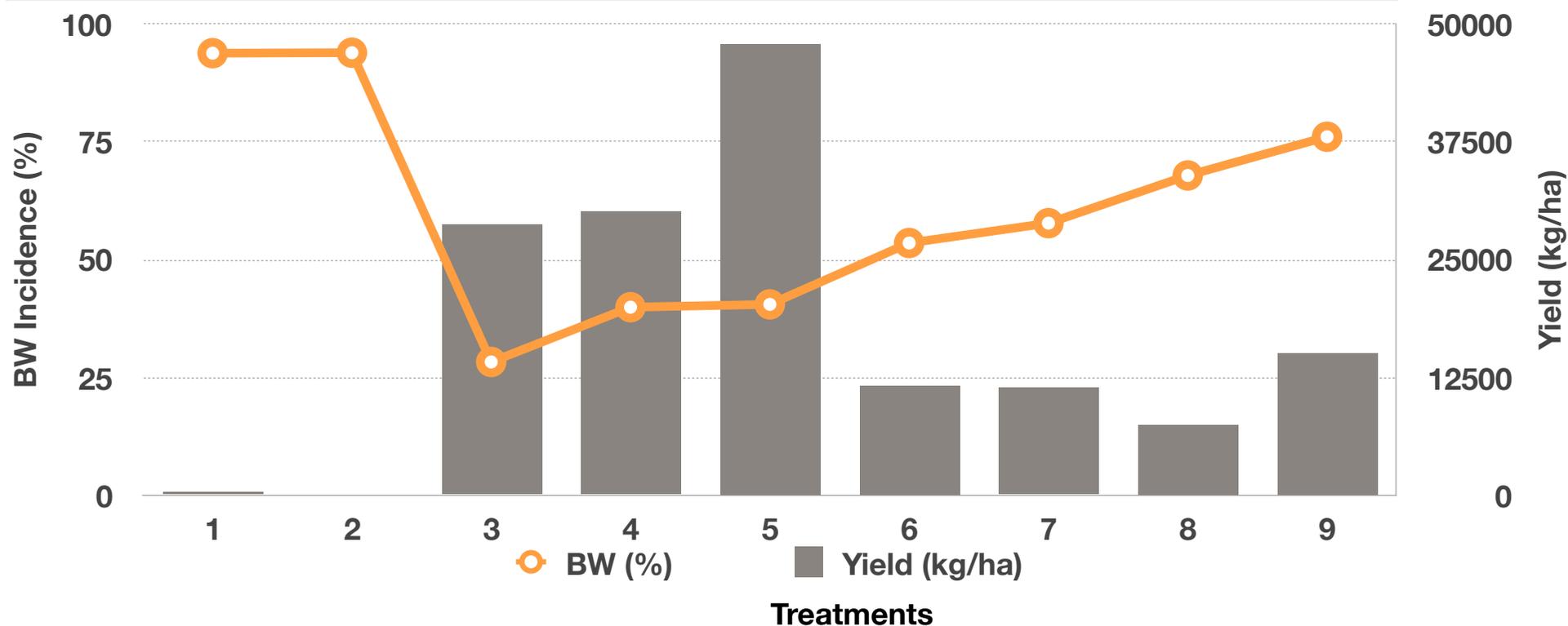
2009-2014 Tomato Bacterial wilt research trial data. University of Florida, NFREC, Quincy, FL
Research conducted by: Laura Ritchie, Jackie Snell, Steve Olson, Josh Freeman and Mathews Paret

BW incidence and marketable yield of tomato - Fall 2010

TREATMENTS		BW (%)		YIELD (KG/HA)	
1	BHN 602 non-grafted	93.8	a	376	c
2	BHN 602 self-grafted	93.9	a	232	c
3	BHN 602 grafted to Cheong Gang	28.4	d	28,733	ab
4	BHN 602 grafted to BHN 998	40.0	cd	30,194	ab
5	BHN 602 grafted to BHN 1054	40.6	cd	47,728	a
6	BHN 602 grafted to Hawaii 7998	53.6	bc	11,784	bc
7	BHN 602 grafted to RST-04-106-T	57.8	bc	11,395	bc
8	BHN 602 grafted to Jjak Kkung	67.9	b	7,434	bc
9	BHN 602 grafted to BHN 1053	76.1	ab	15,059	bc

BW: Bacterial wilt. The % BW incidence indicated is at the end of the trial.

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



Number of plants per plot: 18
 Plant spacing: 20 inches
 Number of reps: 4
 Transplanted: 08/11/10

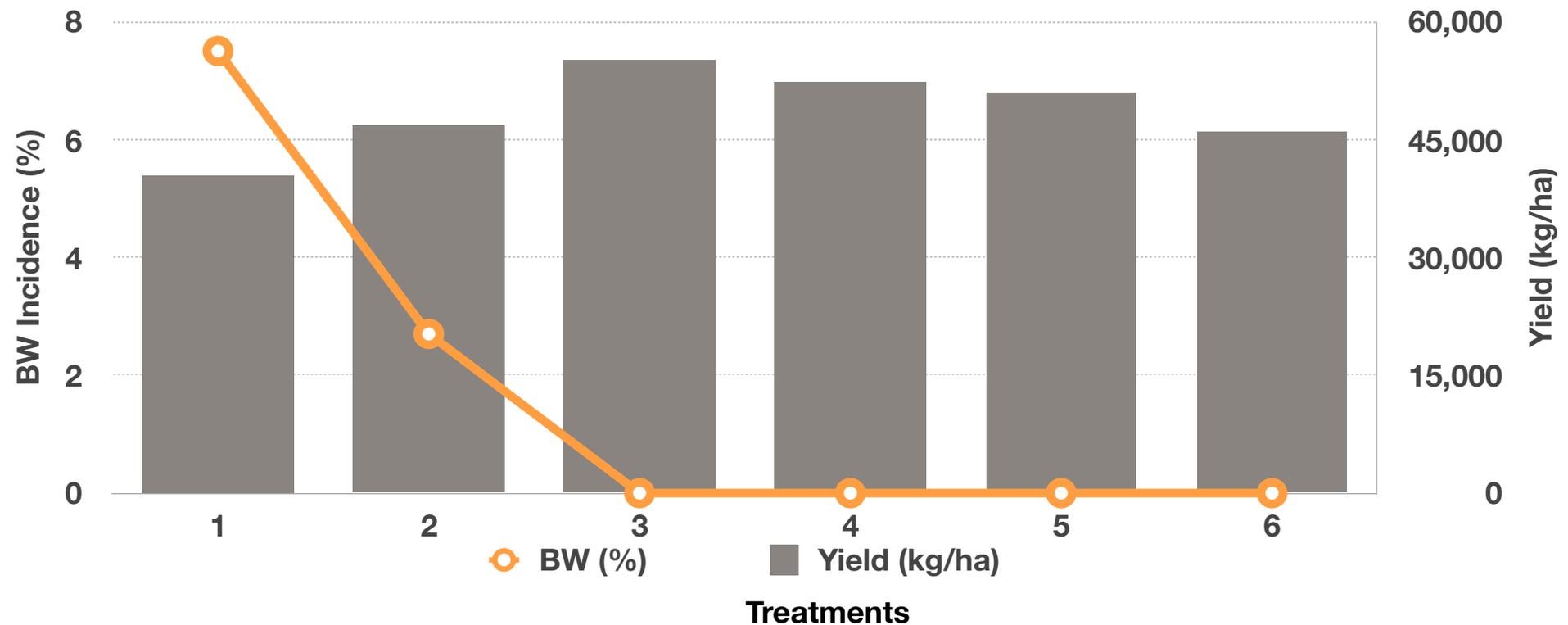
2009-2014 Tomato Bacterial wilt research trial data. University of Florida, NFREC, Quincy, FL
Research conducted by: Laura Ritchie, Jackie Snell, Steve Olson, Josh Freeman and Mathews Paret

BW incidence and marketable yield of tomato - Spring 2010

TREATMENTS		BW (%)		YIELD (KG/HA)	
1	BHN 602 non-grafted	7.5	a	40,419	b
2	BHN 602 self-grafted	2.7	b	46,874	ab
3	BHN 602 grafted to RST-04-106-T	0.0	c	54,927	a
4	BHN 602 grafted to Cheong Gang	0.0	c	52,195	a
5	BHN 602 grafted to Jjak Kkung	0.0	c	50,794	a
6	BHN 602 grafted to Hawaii 7998	0.0	c	45,865	ab

BW: Bacterial wilt. The % BW incidence indicated is at the end of the trial.

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



Number of plants per plot: 18
 Plant spacing: 20 inches
 Number of reps: 4
 Transplanted: 04/20/10

2009-2014 Tomato Bacterial wilt research trial data. ESAREC, Painter, VA

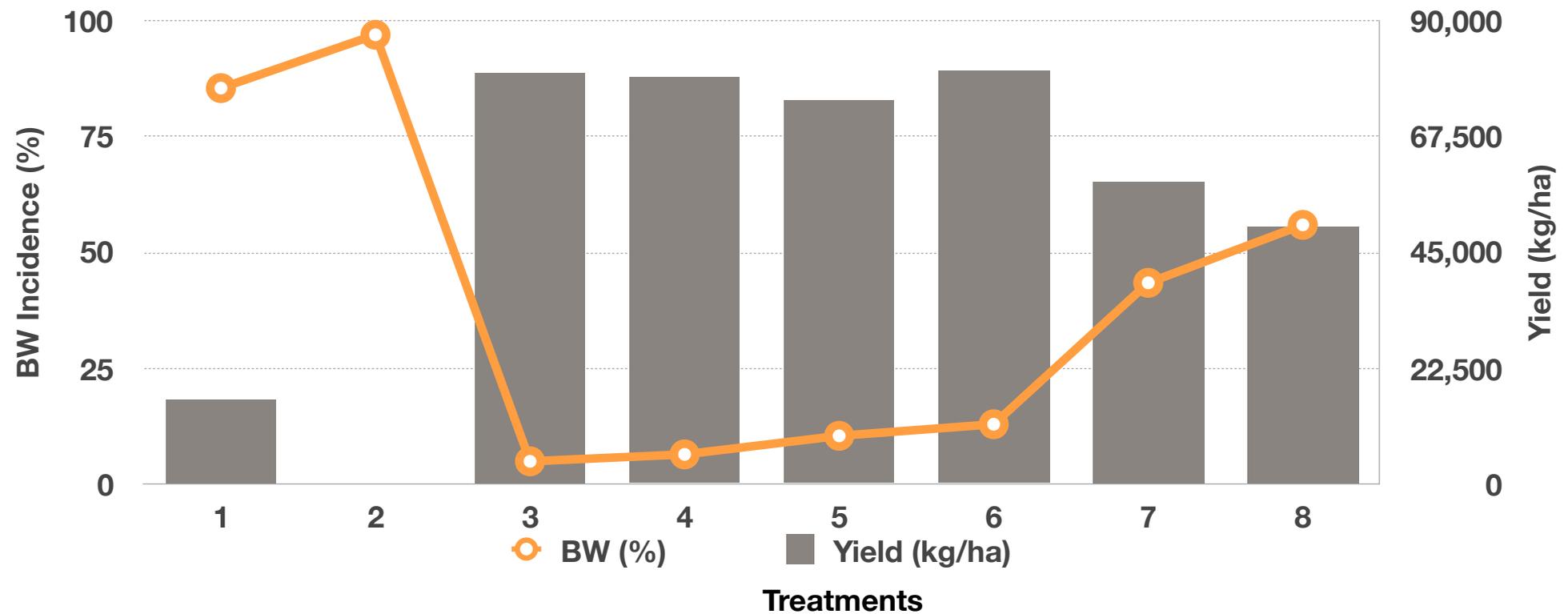
Research conducted by: Josh Freeman and Mathews Paret

BW incidence and marketable yield of tomato - Spring 2010

TREATMENTS		BW (%)		YIELD (KG/HA)	
1	BHN 602 non-grafted	85.5	ab	16,371	c
2	BHN 602 self-grafted	97.0	a	0	c
3	BHN 602 grafted to BHN 1054	5.0	c	79,950	a
4	BHN 602 grafted to Cheong Gang	6.5	c	78,928	a
5	BHN 602 grafted to BHN 998	10.5	c	74,306	a
6	BHN 602 grafted to RST-04-106-T	13.0	c	80,451	a
7	BHN 602 grafted to BHN 1053	43.5	b	58,863	ab
8	BHN 602 grafted to Jjak Kkung	56.0	ab	50,123	b

BW: Bacterial wilt. The % BW incidence indicated is at the end of the trial.

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



Number of plants per plot: 30

Plant spacing: 20 inches

Number of reps: 4

Transplanted: 04/30/10

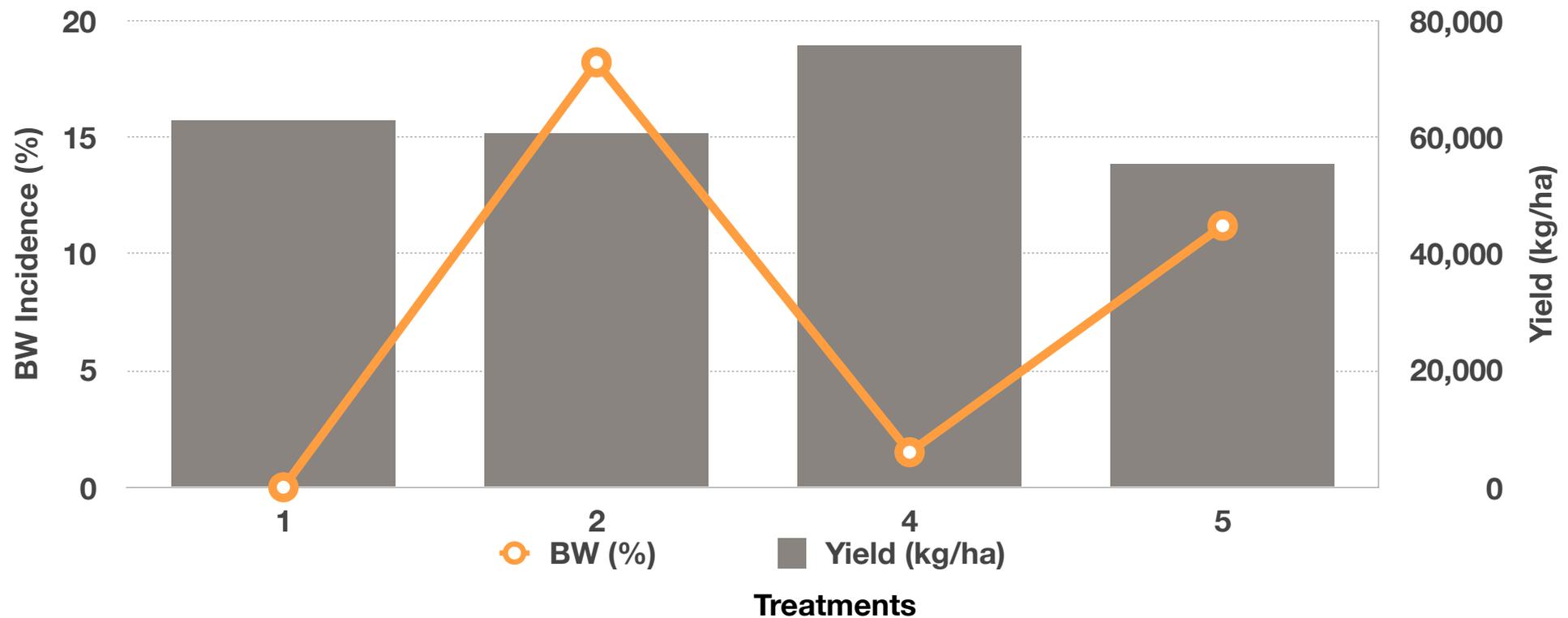
2009-2014 Tomato Bacterial wilt research trial data. ESAREC, Painter, VA
Research conducted by: Josh Freeman and Mathews Paret

BW incidence and marketable yield of tomato - Spring 2009

TREATMENTS		BW (%)		YIELD (KG/HA)	
1	BHN 602 non-grafted	0	ns	62,610	b
2	BHN 602 self-grafted	18.2		60,564	b
4	BHN 602 grafted to RST-04-106-T	1.5		75,619	a
5	BHN 602 grafted to RST-04-105-T	11.2		55,312	b

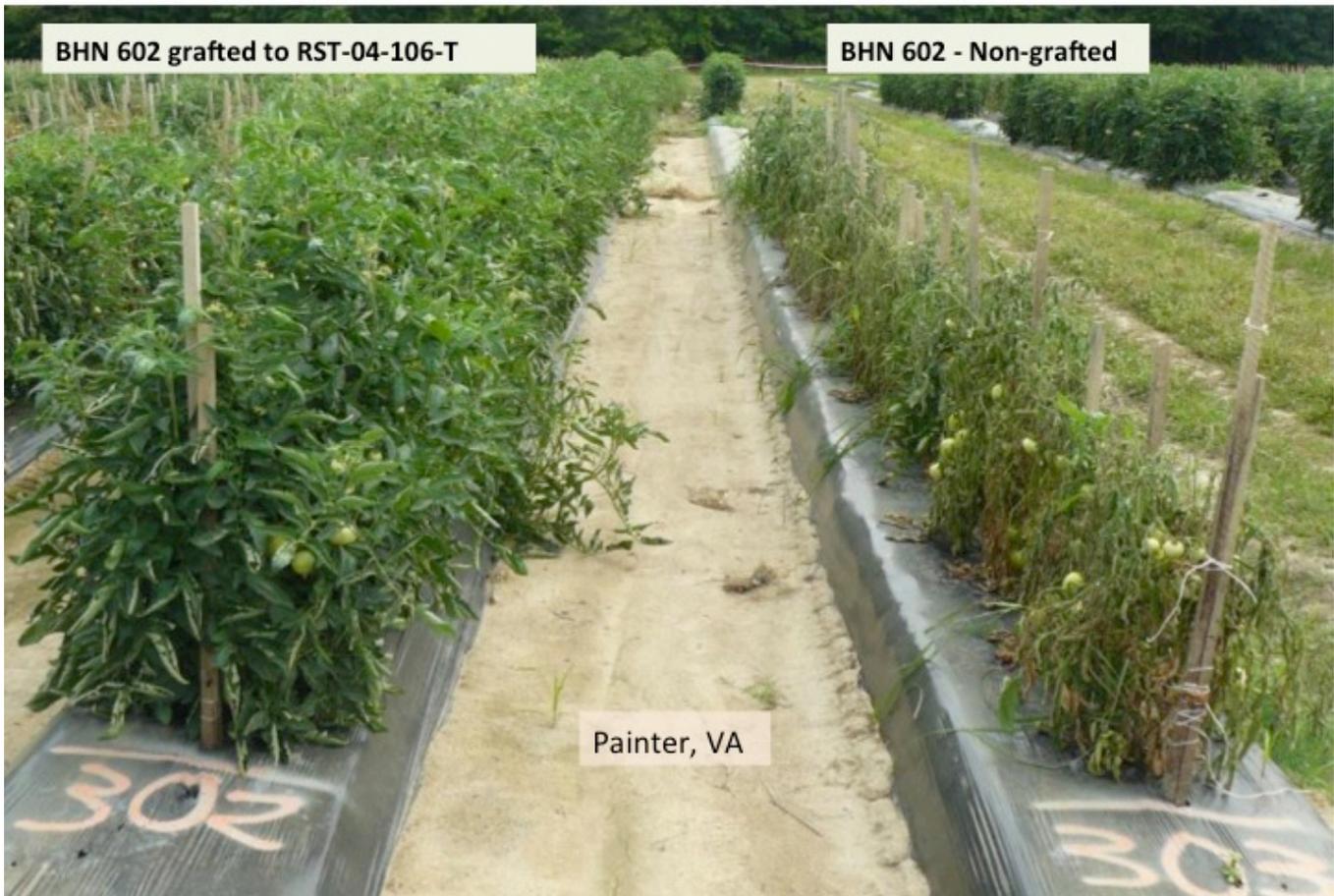
BW: Bacterial wilt. The % BW incidence indicated is at the end of the trial.

Different letters next to the treatment means that they are statistically different ($P > F = 0.05$; LSD) ns: not significant



Number of plants per plot: 30
 Plant spacing: 20 inches
 Number of reps: 4
 Transplanted: 05/29/09

Grafting of vegetables and use of Actigard through drip is effective in managing bacterial wilt caused by *Ralstonia solanacearum*



On an average 30-60% reduction in Bacterial wilt by grafting



Bacterial wilt Field trial: Quincy, FL, Fall 2013

