

**Evaluation of TYLCV-resistant Tomato Varieties under  
Commercial Conditions in Estero, FL.  
Spring 2011**



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**Table 1. Seed sources and pruning of Tomato yellow leaf curl virus (TYLCV) resistant tomato varieties grown with seepage irrigation during spring 2011, Estero, FL.**

Varieties	Company	Number of suckers pruned
<b>Round tomato</b>		
Charger	Sakata	No
RFT 80773	Syngenta	3
SVR 200	Seminis	3
Tycoon	Hazera	3
Tygress	Seminis	3
BHN 833/Tygress <sup>y</sup>	BHN/Seminis	3
Sebring	Syngenta.	3
FL 47	Seminis	3
<b>Roma Tomato</b>		
HA 3365	Hazera	2

<sup>y</sup>BHN 833/Tygress Low = 1,984 plants/acre.

**Table 2. Summary of cultural practices used in TYLCV resistant tomato varieties grown with seepage irrigation during spring 2011, Estero, FL.**

	Crop History
Location	Estero, FL.
Experimental Design	CRBD (4 reps)
Irrigation	Seepage
Plot size	37 ft
Harvest Unit	18.3 ft
Planting Date	7-Jan-11
Fumigation	MeBr/Chloropicrin (100 lb/acre 50:50)
Mulch	Black
Linear ft per acre	7,260
Bed Height	8 in
Bed Width	32 in
Bed Spacing	6 ft
Plant Spacing	22 in
Row run	North – South
Plant population	3,967
Harvest Date	
1st	13-Apr-11
2 <sup>nd</sup>	26-Apr-11
3 <sup>rd</sup>	4-May-11
Planting to 3 <sup>rd</sup> pick	17 weeks

**Table 3. Summary of temperature and total rainfall during the spring 2011, Estero, FL.**

Period	Temperature (°F)			Total rainfall (inch)
	Average	Min	Max	
Jan 2011	62.0	50.0	74.5	4.0
Feb 2011	66.7	54.8	79.3	0.0
Mar 2011	69.2	57.1	81.8	1.4
Apr 2011	75.7	64.0	87.1	1.3
<b>Average/Total</b>	68.4	56.5	80.7	6.7

\*There was freeze stress on 13 and 23 January, 2011.

**Table 4. Bacterial spot (BS), Tomato Yellow Leaf Curl Virus (TYLCV) incidence, and Fusarium Crown Rot (FCR) evaluation at third harvest (April 29, 2011) of TYLCV resistant tomato varieties grown during spring 2011, Estero, FL.**

Treatment	Disease Severity Rating (%)		
	BS <sup>z</sup>	TYLCV	FCR <sup>y</sup>
<b>Round Tomato</b>			
Charger	65.0b <sup>x</sup>	0.0	0.0
RFT80773	45.0d	0.0	0.0
SVR200	55.0bcd	0.0	0.0
Tycoon	77.5a	0.0	0.0
Tygress	55.0bcd	0.0	0.0
BHN 833/Tygress	52.5cd	0.0	0.0
BHN 833/Tygress Low <sup>v</sup>	55.0bcd	0.0	0.0
FL 47	57.5bc	0.0	0.0
Sebring	62.5bc	0.0	0.0
P value	0.0001	-	-
Sig.	**	-	-
<b>Roma Tomato</b>			
HA 3365	80.5	0.0	0.8

<sup>z</sup> Bacterial spot assessment as disease severity (percentage symptomatic tissue) for BS. The rating did not distinguish between the bacterial spot caused by *Xanthomonas perforans* and bacterial speck caused by *Pseudomonas syringae* pv. *tomato*.

<sup>y</sup> Fusarium crown rot (*Fusarium oxysporum* f.sp.*radicis-lycopersici*).

<sup>x</sup> Within columns, means followed by different letters are significantly different according to Duncan's Multiple Range Test at 5%.

\*\*Significance at  $P \leq 0.01$ . \*Significance at  $P \leq 0.05$ . ns = Non-significance.

<sup>v</sup>BHN 833/Tygress Low = 1,984 plants/acre.

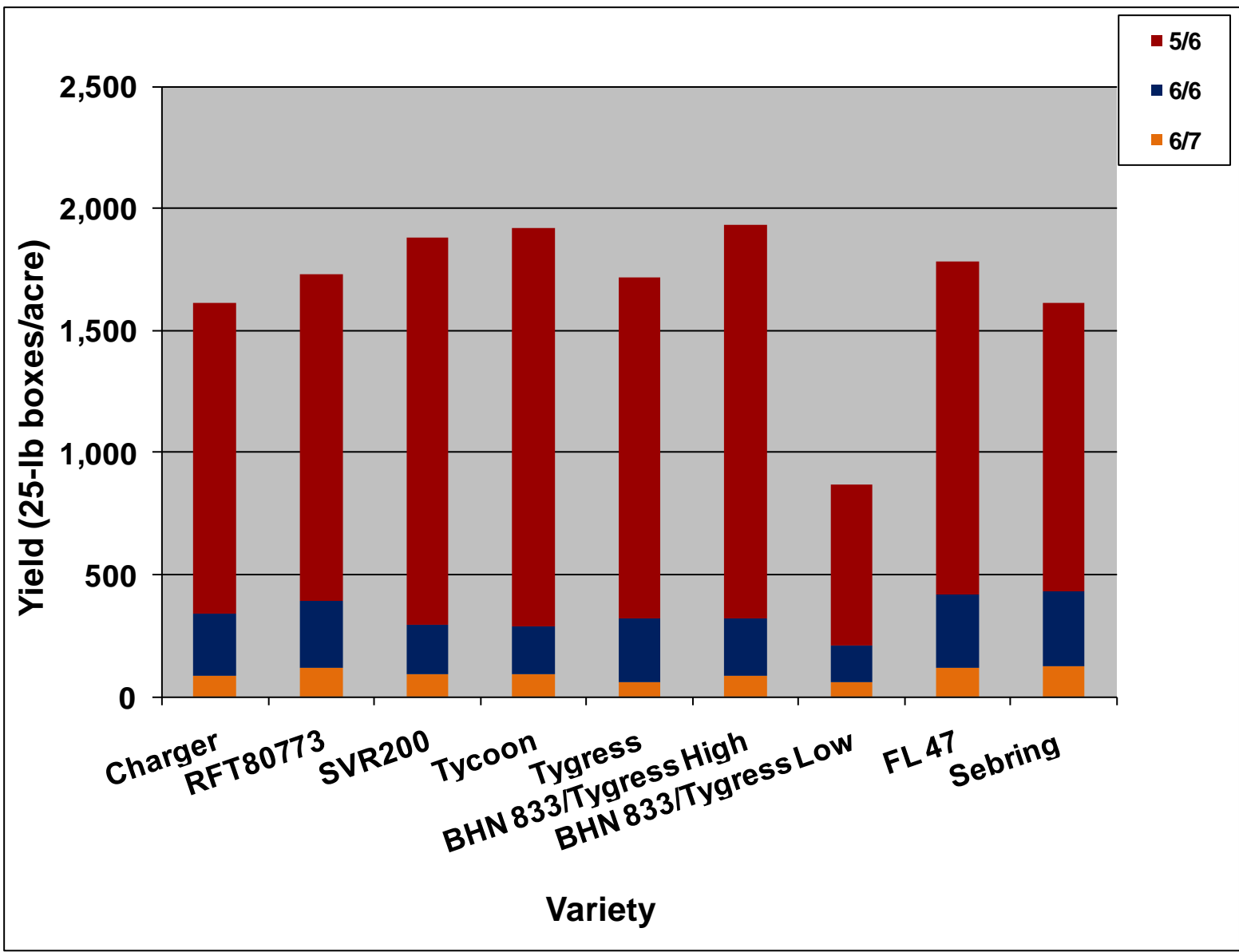
**Table 5. First harvest marketable fruit yield by size categories for selected tomato varieties grown in spring 2011, Estero, FL.**

Variety	Marketable Yield				Unmarketable
	5/6	6/6	6/7	Total	
----- (25-lb boxes/acre) -----					
<b>Round tomato</b>					
<b>Charger</b>	1,274b <sup>z</sup>	257ab	85	1,617a	684ab
<b>RFT80773</b>	1,343ab	272ab	118	1,733a	593b
<b>SVR200</b>	1,587a	200bc	91	1,878a	305c
<b>Tycoon</b>	1,632a	201bc	89	1,921a	847a
<b>Tygress</b>	1,395ab	263ab	61	1,719a	329c
<b>BHN 833/Tygress</b>	1,616a	235abc	83	1,934a	287c
<b>BHN 833/Tygress Low<sup>y</sup></b>	665c	147c	61	872b	117c
<b>FL 47</b>	1,364ab	302a	115	1,780a	244c
<b>Sebring</b>	1,185b	306a	125	1,617a	295c
<b>P value</b>	0.0001	0.01	0.24	0.0001	0.0001
<b>Sign.</b>	**	**	ns	**	**
<b>Roma Tomato</b>					
	<b>Large</b>	<b>Medium</b>	<b>Small</b>	<b>Total</b>	<b>Unmarketable</b>
<b>HA 3365</b>	462	565	410	1,437	63

<sup>z</sup> Within columns, means followed by different letters are significantly different according to Duncan's Multiple Range Test at 5%.

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<sup>y</sup>BHN 833/Tygress Low = 1,984 plants/acre.



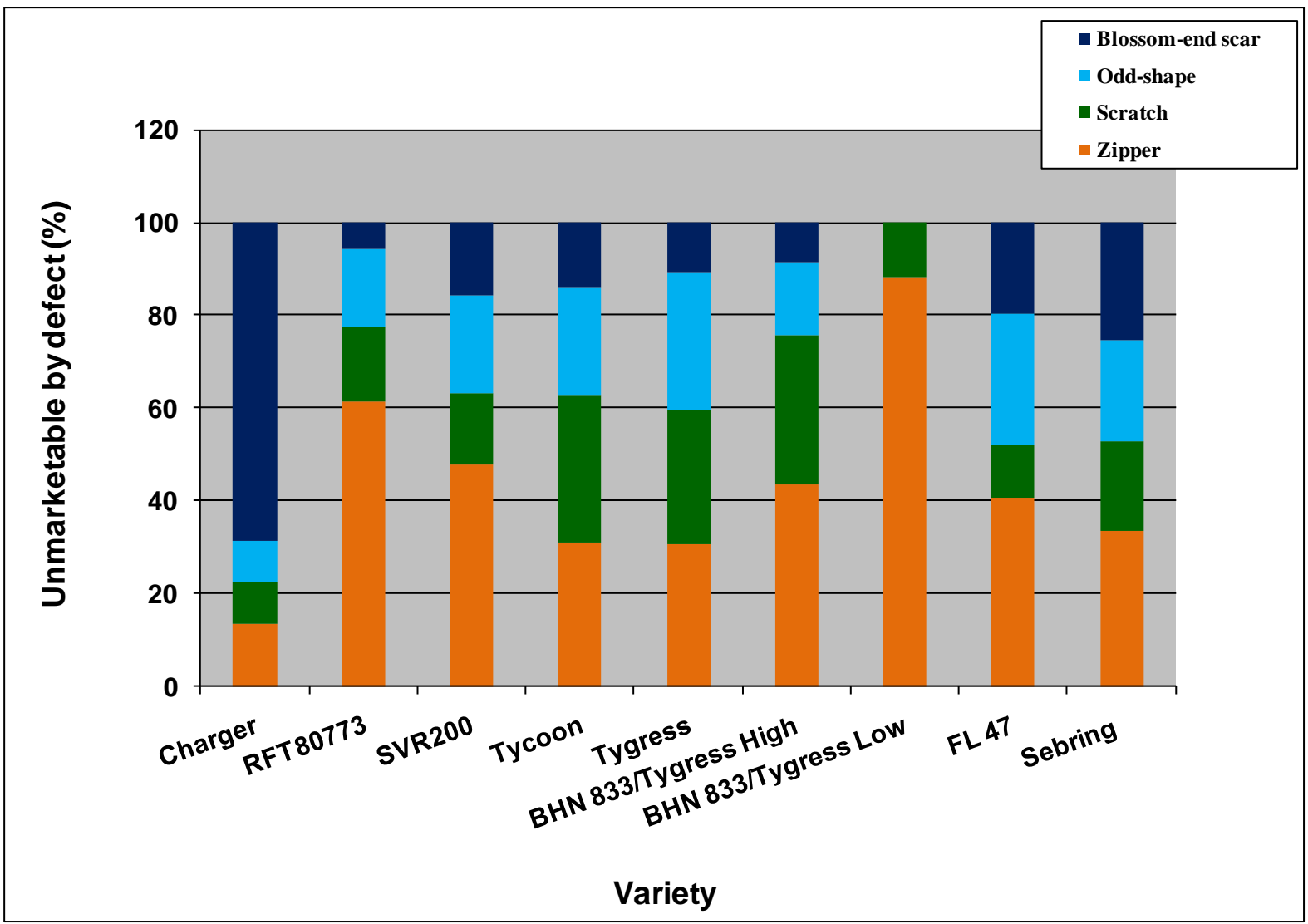
**Table 6. First harvest unmarketable fruit by category with: blossom-end scar, zipper, odd-shape and scratch for selected tomato varieties grown during spring 2011, Estero, FL.**

Variety	Unmarketable by defect					Unmarketable (25-lb boxes/acre)
	Blossom-end scar	Zipper	Odd-shape	Scratch	Cracking	
----- (%) -----						
<b>Round Tomato</b>						
<b>Charger</b>	68.6a	13.6d	9.1bc	8.7	0	684ab
<b>RFT80773</b>	5.7cd	61.4b	16.7ab	16.2	0	593b
<b>SVR200</b>	15.6bc	47.7bc	21.1ab	15.6	0	305c
<b>Tycoon</b>	13.9bcd	30.8cd	23.4ab	31.9	0	847a
<b>Tygress</b>	10.8cd	30.7cd	29.5a	28.9	0	329c
<b>BHN 833/Tygress</b>	8.7cd	43.6bcd	15.6ab	32.2	0	287c
<b>BHN 833/Tygress Low<sup>y</sup></b>	0d	88.1a	0c	11.9	0	117c
<b>FL 47</b>	19.5bc	40.7bcd	28.5a	11.4	0	244c
<b>Sebring</b>	25.3b	33.3cd	21.9ab	19.5	0	295c
<b>P value</b>	0.0001	0.0001	0.0078	0.0517	-	0.0001
<b>Sign.</b>	**	**	**	ns	-	**
<b>Roma Tomato</b>						
<b>HA 3365</b>	-	-	-	-	-	63

<sup>z</sup> Within columns, means followed by different letters are significantly different according to Duncan's Multiple Range Test at 5%.

\*\* Significance at  $P \leq 0.01$ . \*Significance at  $P \leq 0.05$ . ns Non-significance

<sup>y</sup>BHN 833/Tygress Low = 1,984 plants/acre.



**Table 7. Second marketable harvest fruit yield by size categories for selected tomato varieties grown in spring 2011, Estero, FL.**

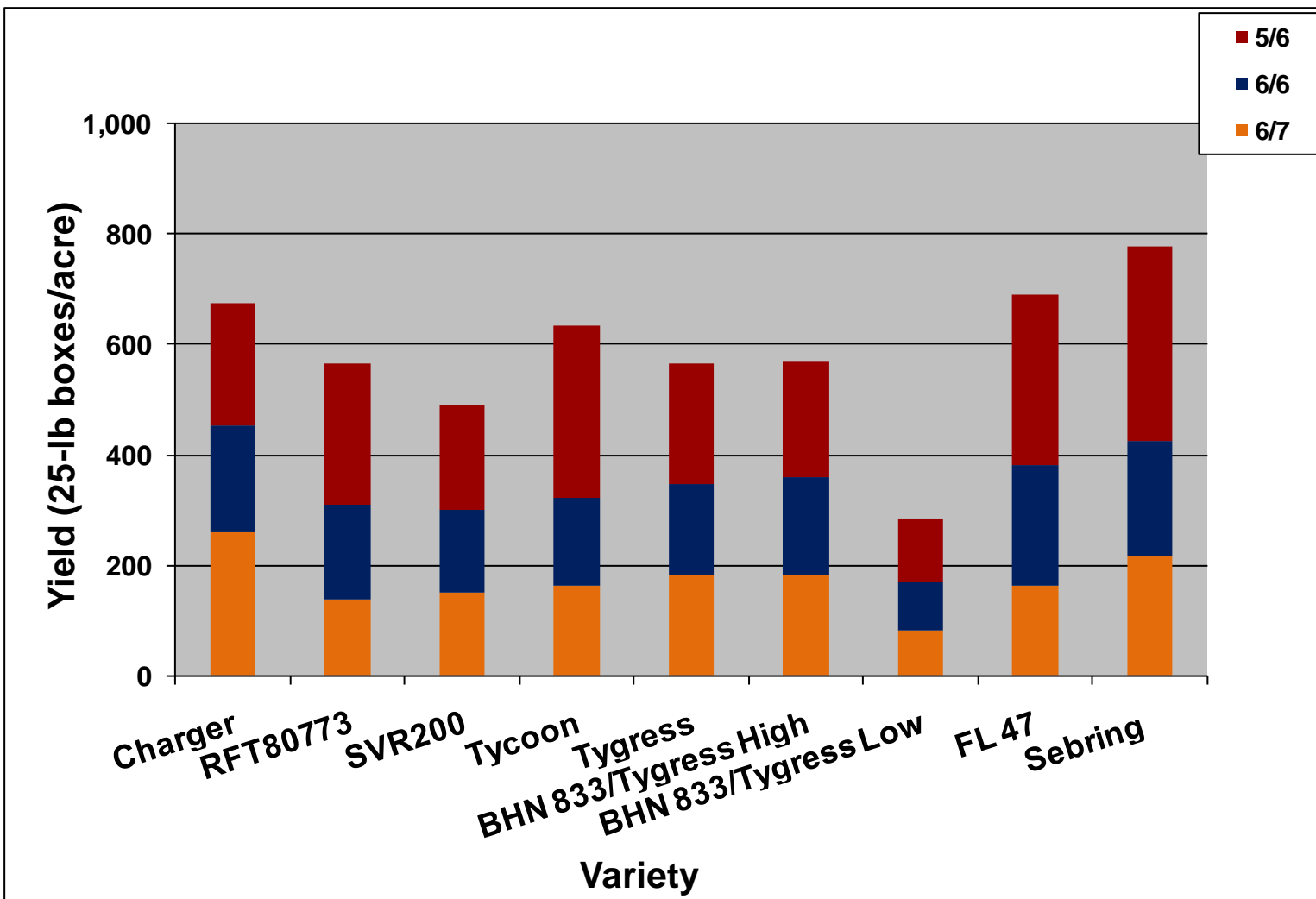
Variety	Marketable Yield				Unmarketable
	5/6	6/6	6/7	Total	
----- (25-lb boxes/acre) -----					
<b>Round tomato</b>					
<b>Charger</b>	221	193	259	673a <sup>z</sup>	243
<b>RFT80773</b>	256	172	137	564ab	135
<b>SVR200</b>	190	152	150	492ab	278
<b>Tycoon</b>	312	161	162	635a	235
<b>Tygress</b>	217	165	182	564ab	148
<b>BHN 833/Tygress</b>	212	177	182	570ab	171
<b>BHN 833/Tygress Low<sup>y</sup></b>	116	86	82	285b	156
<b>FL 47</b>	309	216	164	689a	197
<b>Sebring</b>	356	207	216	780a	157
<b>P value</b>	0.08	0.11	0.07	0.03	0.17
<b>Sign.</b>	ns	Ns	ns	*	ns
<b>Roma Tomato</b>					
	<b>Large</b>	<b>Medium</b>	<b>Small</b>	<b>Total</b>	<b>Unmarketable</b>
<b>HA 3365</b>	22	127	255	403	426

<sup>z</sup> Within columns, means followed by different letters are significantly different according to Duncan's Multiple Range Test at 5%.

\*\*Significance at  $P \leq 0.01$ . \*Significance at  $P \leq 0.05$ . ns Non-significance.

<sup>y</sup>BHN 833/Tygress Low = 1,984 plants/acre.





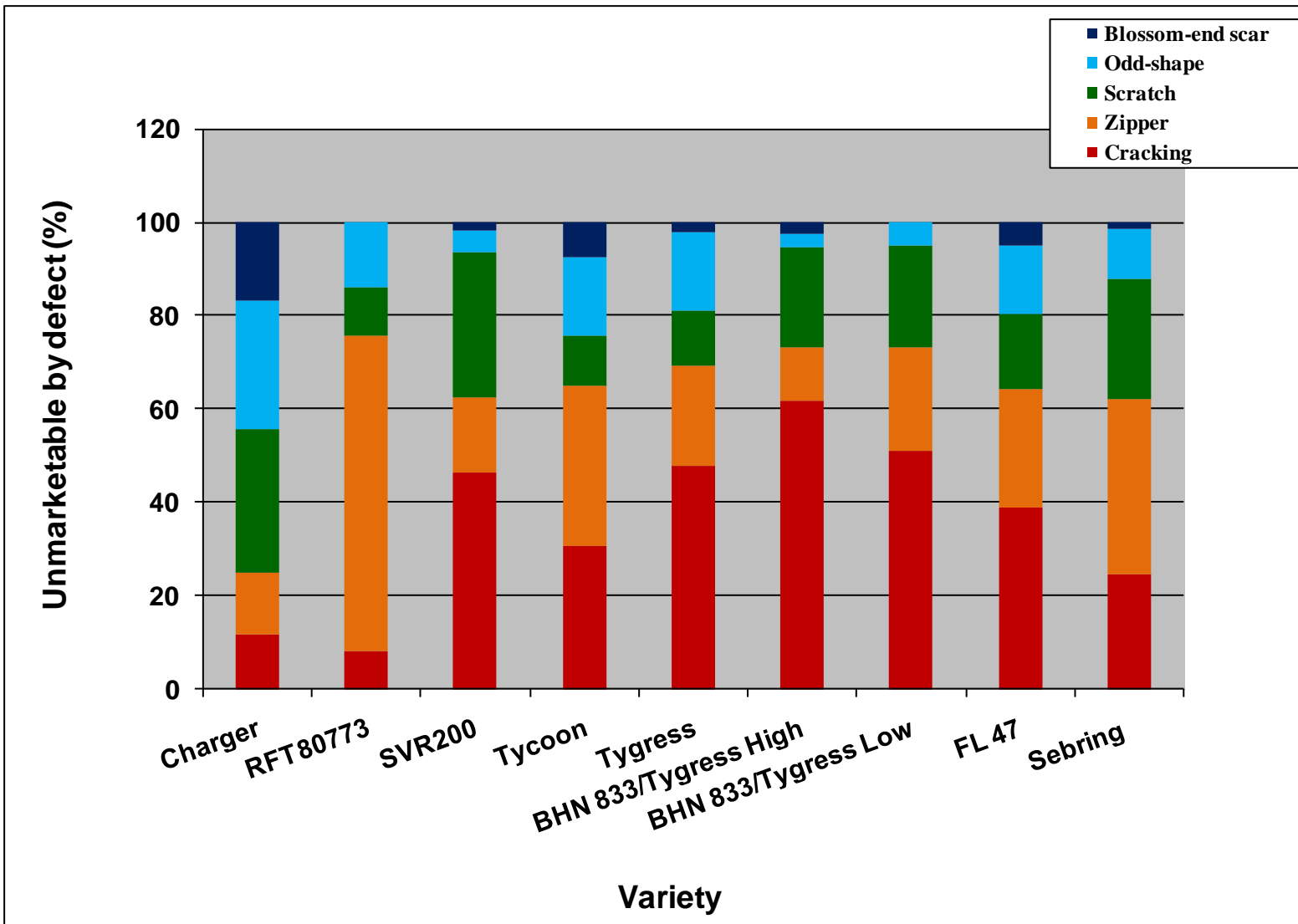
**Table 8. Second harvest unmarketable fruit by category with: blossom-end scar, zipper, odd-shape, scratch and cracking for selected tomato varieties grown during spring 2011, Estero, FL.**

Variety	Unmarketable by defect					Unmarketable (25-lb boxes/acre)
	Blossom-end Scar	Zipper	Odd-shape	Scratch	Cracking	
	----- (%) -----					
	<b>Round Tomato</b>					
<b>Charger</b>	16.7a	13.1b	27.8	30.6	11.8cd	243
<b>RFT80773</b>	0b	67.6a	14.0	10.3	8.1d	135
<b>SVR200</b>	1.8b	16.1b	4.6	31.1	46.4ab	278
<b>Tycoon</b>	7.6b	34.2b	16.9	10.5	30.8bcd	235
<b>Tygress</b>	2.0b	21.5b	16.8	12.1	47.7abc	148
<b>BHN 833/Tygress</b>	2.3b	11.6b	2.9	21.5	61.6a	171
<b>BHN 833/Tygress Low</b>	0b	22.3b	5.1	21.7	51.0ab	156
<b>FL 47</b>	5.0b	25.6b	14.6	16.1	38.7bcd	197
<b>Sebring</b>	1.3b	37.3b	10.8	25.9	24.7bcd	157
<b>P value</b>	0.0023	0.0011	0.1399	0.7372	0.0046	0.17
<b>Sign.</b>	**	**	ns	ns	**	ns
	<b>Roma Tomato</b>					
<b>HA 3365</b>	-	-	-	-	-	426

<sup>Z</sup> Within columns, means followed by different letters are significantly different according to Duncan's Multiple Range Test at 5%.

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<sup>y</sup>BHN 833/Tygress Low = 1,984 plants/acre.



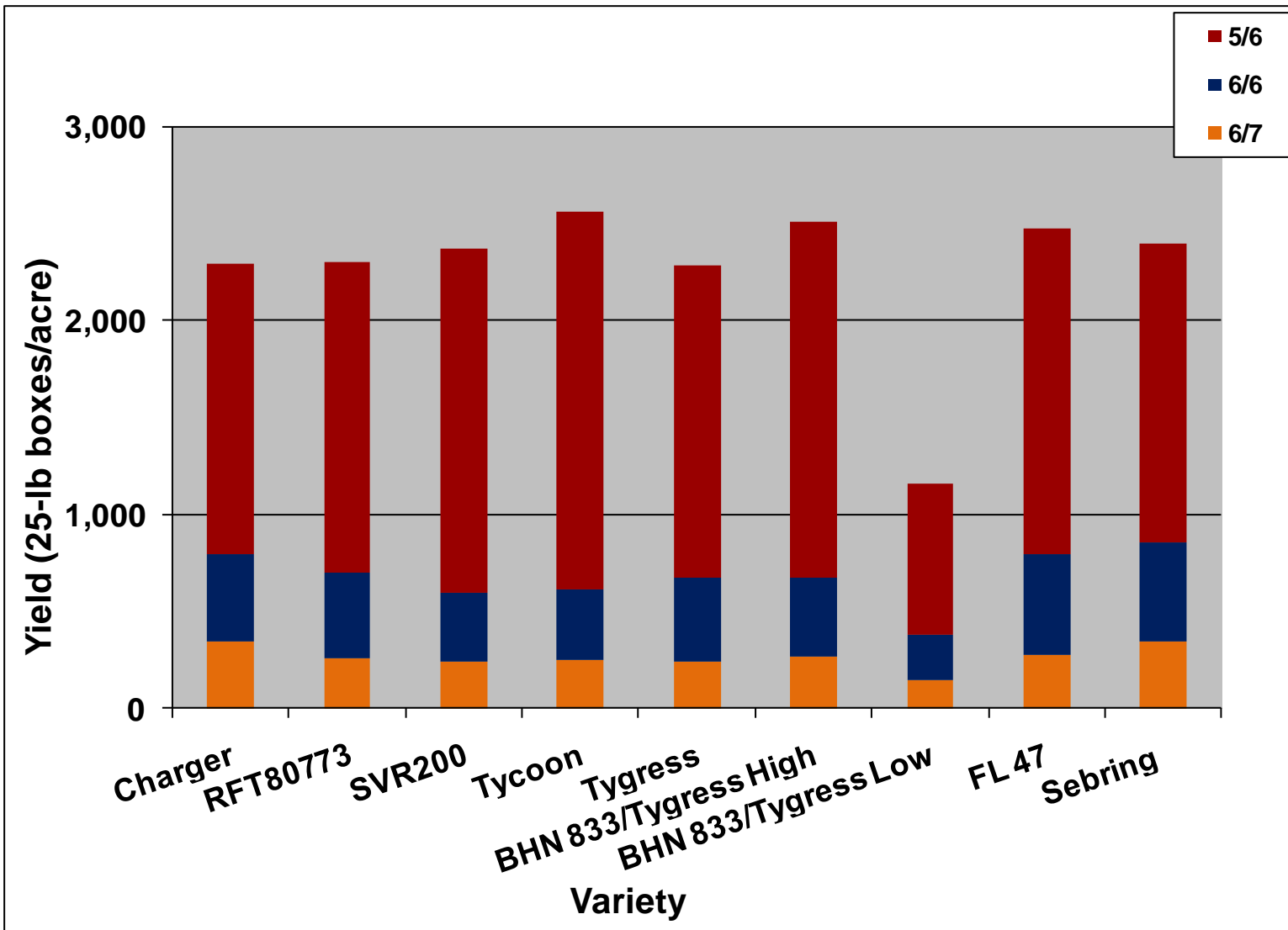
**Table 9. First and second harvest marketable fruit yield by size categories for selected tomato varieties grown in spring 2011, Estero, FL.**

Variety	Marketable Yield			Total	Unmarketable
	5/6	6/6	6/7		
----- (25-lb boxes/acre) -----					
<b>Round tomato</b>					
<b>Charger</b>	1,496c <sup>z</sup>	450ab	344a	2,290a	927ab
<b>RFT80773</b>	1,599bc	443ab	255ab	2,297a	728bc
<b>SVR200</b>	1,777abc	352b	241ab	2,370a	583c
<b>Tycoon</b>	1,944a	361b	251ab	2,556a	1,082a
<b>Tygress</b>	1,613bc	427ab	243ab	2,283a	477cd
<b>BHN 833/Tygress</b>	1,828ab	412ab	265a	2,504a	457cd
<b>BHN 833/Tygress Low<sup>y</sup></b>	781d	233c	143b	1,156b	273d
<b>FL 47</b>	1,673abc	518a	279a	2,470a	441cd
<b>Sebring</b>	1,541bc	514a	341a	2,396a	451cd
<b>P value</b>	0.0001	0.0001	0.03	0.0001	0.0001
<b>Sign.</b>	**	**	*	**	**
<b>Roma Tomato</b>					
	<b>Large</b>	<b>Medium</b>	<b>Small</b>	<b>Total</b>	<b>Unmarketable</b>
<b>HA 3365</b>	484	692	664	1,840	490

<sup>z</sup> Within columns, means followed by different letters are significantly different according to Duncan's Multiple Range Test at 5%.

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<sup>y</sup>BHN 833/Tygress Low = 1,984 plants/acre.



**Table 10. First and second harvest unmarketable fruit by category with: blossom-end scar, zipper, odd-shape and scratch for selected tomato varieties grown during spring 2011, Estero, FL.**

Variety	Unmarketable by defect					Unmarketable (25-lb boxes/acre)
	Blossom-end scar	Zipper	Odd-shape	Scratch	Cracking	
	----- (%) -----					
	<b>Round Tomato</b>					
<b>Charger</b>	55.0a	13.5d	14.0abc	14.4	3.1d	927ab
<b>RFT80773</b>	4.6de	62.5a	16.2ab	15.1	1.5d	728bc
<b>SVR200</b>	9.0cd	32.7c	13.3abc	23.0	22.1ab	583c
<b>Tycoon</b>	12.5bcd	31.6c	22.0a	27.2	6.7cd	1,082a
<b>Tygress</b>	8.1cde	27.9c	25.6a	23.7	14.8bc	477cd
<b>BHN 833/Tygress</b>	6.3cde	31.7c	10.8bc	28.2	23.0ab	457cd
<b>BHN 833/Tygress Low<sup>y</sup></b>	0e	50.5b	2.9c	17.5	29.1a	273d
<b>FL 47</b>	13.0bc	33.9c	22.2ab	13.5	17.3bc	441cd
<b>Sebring</b>	16.9b	34.7c	18.0ab	21.8	8.6cd	451cd
<b>P value</b>	0.0001	0.0001	0.0235	0.6103	0.0001	0.0001
<b>Sign.</b>	**	**	*	ns	**	**
	<b>Roma Tomato</b>					
<b>HA 3365</b>	-	-	-	-	-	490

<sup>z</sup> Within columns, means followed by different letters are significantly different according to Duncan's Multiple Range Test at 5%.

\*\*Significance at  $P \leq 0.01$ . \*Significance at  $P \leq 0.05$ . ns Non-significance

<sup>y</sup>BHN 833/Tygress Low = 1,984 plants/acre.

**Table 11. Third harvest marketable fruit yield by size categories for selected tomato varieties grown in spring 2011, Estero, FL.**

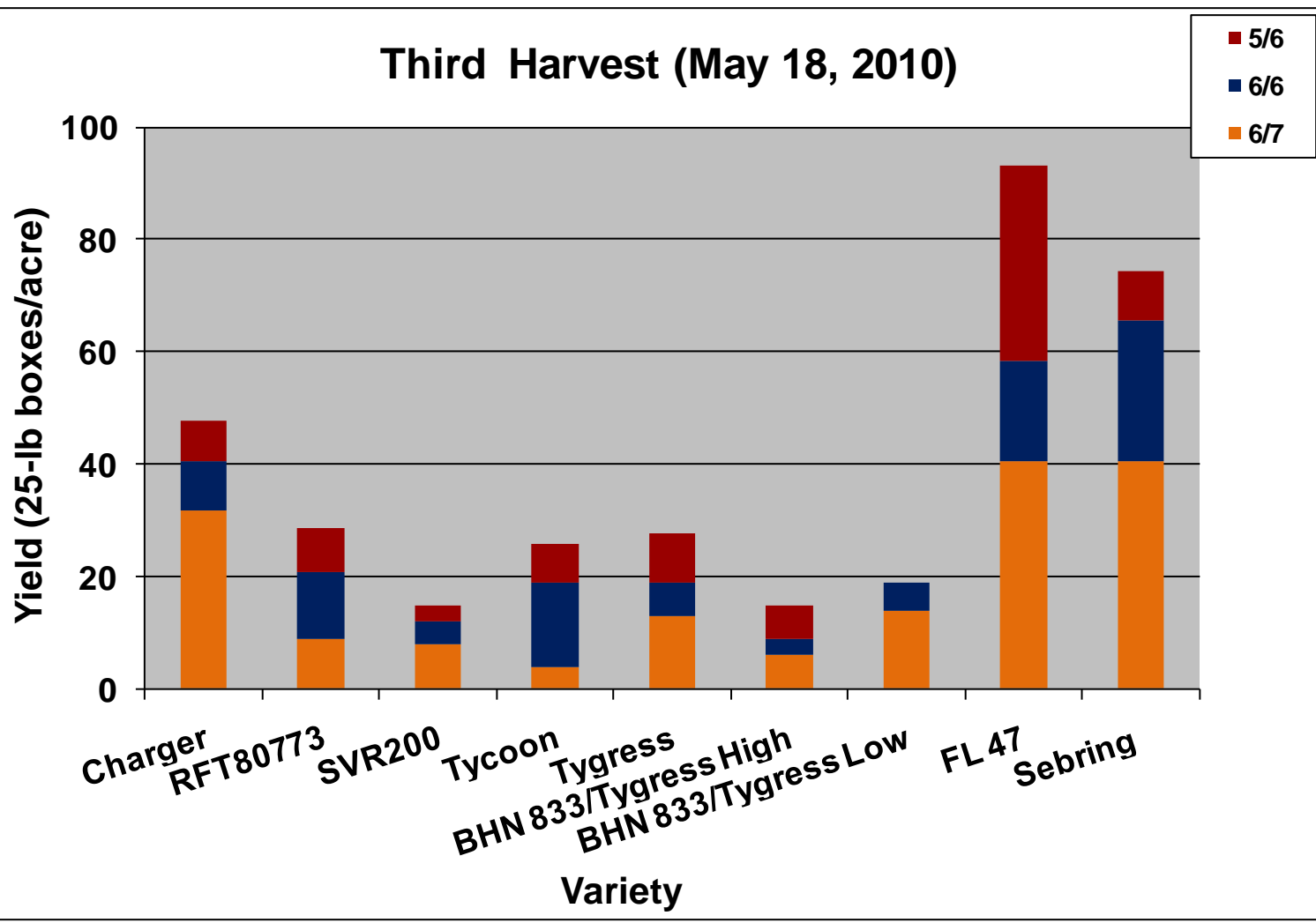
Variety	Marketable Yield			Total	Unmarketable
	5/6	6/6	6/7		
----- (25-lb boxes/acre) -----					
<b>Round tomato</b>					
<b>Charger</b>	7	9bc <sup>z</sup>	32a	48bc	70ab
<b>RFT80773</b>	8	12abc	9b	29c	50b
<b>SVR200</b>	3	4c	8b	15c	41b
<b>Tycoon</b>	7	15abc	4b	26c	98a
<b>Tygress</b>	9	6bc	13b	28c	50b
<b>BHN 833/Tygress</b>	6	3c	6b	15c	40b
<b>BHN 833/Tygress Low<sup>y</sup></b>	0	5bc	14b	19c	33b
<b>FL 47</b>	35	18ab	41a	93a	103a
<b>Sebring</b>	9	25a	41a	74ab	70ab
<b>P value</b>	0.10	0.02	0.0002	0.001	0.008
<b>Sign.</b>	ns	*	**	**	**
<b>Roma Tomato</b>					
	<b>Large</b>	<b>Medium</b>	<b>Small</b>	<b>Total</b>	<b>Unmarketable</b>
<b>HA 3365</b>	0	9	23	32	22

<sup>z</sup> Within columns, means followed by different letters are significantly different according to Duncan's Multiple Range Test at 5%.

\*\*Significance at  $P \leq 0.01$ . \*Significance at  $P \leq 0.05$ . ns Non-significance.

<sup>y</sup>BHN 833/Tygress Low = 1,984 plants/acre.

### Third Harvest (May 18, 2010)





**Table 12. Third harvest unmarketable fruit by category with: blossom-end scar, zipper, odd-shape and scratch for selected tomato varieties grown during spring 2011, Estero, FL.**

Variety	Unmarketable by defect					Unmarketable (25-lb boxes/acre)
	Blossom-end scar	Zipper	Odd- shape	Scratch	Cracking	
	----- (%) -----					
	<b>Round Tomato</b>					
<b>Charger</b>	14.1	5.6	22.5	36.6	21.1	70ab
<b>RFT80773</b>	5.3	48.0	14.0	30.0	4.0	50b
<b>SVR200</b>	2.4	12.2	24.4	14.6	46.3	41b
<b>Tycoon</b>	0	15.2	26.3	27.3	31.3	98a
<b>Tygress</b>	2.0	28.0	22.0	24.0	24.0	50b
<b>BHN 833/Tygress</b>	0	10.0	15.0	20.0	55.0	40b
<b>BHN 833/Tygress Low<sup>y</sup></b>	0	21.2	27.3	30.3	21.2	33b
<b>FL 47</b>	5.8	15.4	20.2	22.1	36.5	103a
<b>Sebring</b>	5.6	15.5	11.3	46.5	21.1	70ab
<b>P value</b>	0.0643	0.0882	0.8771	0.5365	0.0821	0.008
<b>Sign.</b>	Ns	ns	ns	ns	ns	**
	<b>Roma Tomato</b>					
<b>HA 3365</b>	0	0	0	90.9	9.1	22

<sup>z</sup> Within columns, means followed by different letters are significantly different according to Duncan's Multiple Range Test at 5%.

\*\* Significance at  $P \leq 0.01$ . \*Significance at  $P \leq 0.05$ . ns Non-significance

<sup>y</sup>BHN 833/Tygress Low = 1,984 plants/acre.

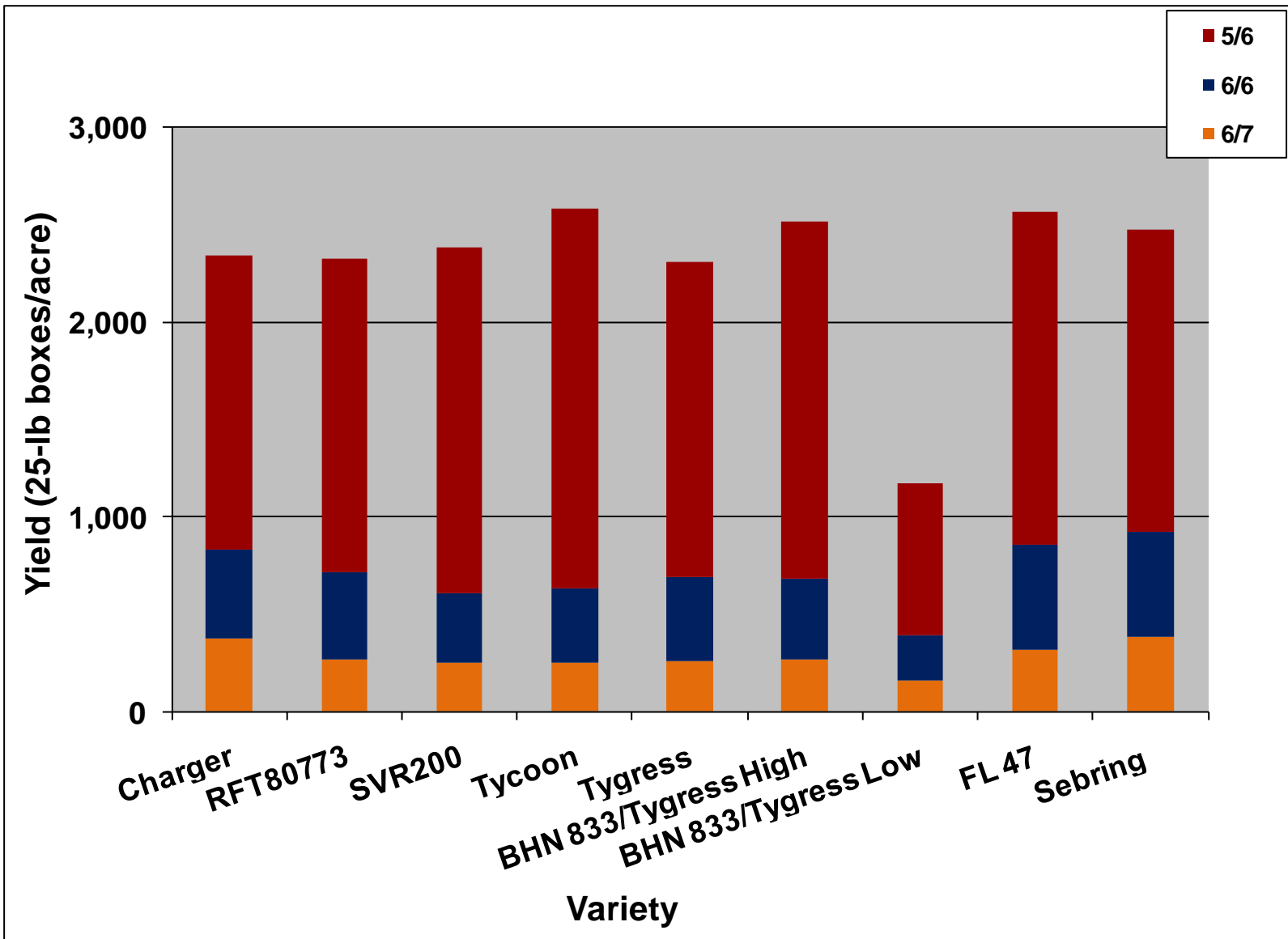
**Table 13. Total harvest marketable fruit yield by size categories for selected tomato varieties grown in spring 2011, Estero, FL.**

Variety	Marketable Yield				Unmarketable
	5/6	6/6	6/7	Total	
----- (25-lb boxes/acre) -----					
<b>Round tomato</b>					
<b>Charger</b>	1,503c <sup>z</sup>	459abc	376ab	2,338a	998ab
<b>RFT80773</b>	1,607bc	455abc	264abcd	2,326a	778bc
<b>SVR200</b>	1,780abc	356c	249cd	2,385a	624c
<b>Tycoon</b>	1,951a	376c	255bcd	2,582a	1,181a
<b>Tygress</b>	1,622bc	433bc	256bcd	2,311a	527cd
<b>BHN 833/Tygress</b>	1,834ab	415c	271abcd	2,519a	497cd
<b>BHN 833/Tygress Low<sup>y</sup></b>	781d	238d	157d	1,175b	305d
<b>FL 47</b>	1,708abc	536ab	319abc	2,563a	545cd
<b>Sebring</b>	1,550bc	539a	382a	2,471a	522cd
<b>P value</b>	0.0001	0.0001	0.007	0.0001	0.0001
<b>Sign.</b>	**	**	**	**	**
<b>Roma Tomato</b>					
	<b>Large</b>	<b>Medium</b>	<b>Small</b>	<b>Total</b>	<b>Unmarketable</b>
<b>HA 3365</b>	484	701	687	1,872	511

<sup>z</sup>Within columns, means followed by different letters are significantly different according to Duncan's Multiple Range Test at 5%.

\*\*Significance at  $P \leq 0.01$ . \*Significance at  $P \leq 0.05$ . ns Non-significant.

<sup>y</sup>BHN 833/Tygress Low = 1,984 plants/acre.



**Table 14. Total marketable harvest unmarketable fruit by category with: blossom-end scar, zipper, odd-shape and scratch for selected tomato varieties grown during spring 2011, Estero, FL.**

Variety	Unmarketable by defect					Unmarketable (25-lb boxes/acre)
	Blossom-end scar	Zipper	Odd-shape	Scratch	Cracking	
----- (%) -----						
<b>Round Tomato</b>						
<b>Charger</b>	52.1a	12.9d	14.6	16.0	4.4cd	998ab
<b>RFT80773</b>	4.6cd	61.6a	16.1	16.1	1.7d	778bc
<b>SVR200</b>	8.6bc	31.3c	14.0	22.4	23.7ab	624c
<b>Tycoon</b>	11.5bc	30.2c	22.4	27.2	8.7cd	1,181a
<b>Tygress</b>	7.5cd	27.9c	25.2	23.7	15.6bc	527cd
<b>BHN 833/Tygress</b>	5.8cd	29.9c	11.2	27.5	26.5ab	497cd
<b>BHN 833/Tygress Low<sup>y</sup></b>	0d	47.4b	5.5	18.8	28.2a	305d
<b>FL 47</b>	11.7bc	30.4c	21.9	15.1	20.9ab	545cd
<b>Sebring</b>	15.4b	32.1c	17.1	25.1	10.3cd	522cd
<b>P value</b>	0.0001	0.0001	0.0517	0.6571	0.0001	0.0001
<b>Sign.</b>	**	**	ns	ns	**	**
<b>Roma Tomato</b>						
<b>HA 3365</b>	-	-	-	-	-	511

<sup>z</sup> Within columns, means followed by different letters are significantly different according to Duncan's Multiple Range Test at 5%.

\*\*Significance at  $P \leq 0.01$ . \*Significance at  $P \leq 0.05$ . ns Non-significance

<sup>y</sup>BHN 833/Tygress Low = 1,984 plants/acre.

**Table 15. Post-harvest evaluation of tomato fruit firmness (as fruit deformation) and color at table ripe stage at first harvest for TYLCV resistance tomato varieties grown during spring 2011, Estero, FL.**

Variety	Post-harvest Evaluation			
	First Test (9 DAFH)		Second test (14 DAFH)	
	Firmness Deformation <sup>z</sup> (mm)	Color (Rating 1-10) <sup>y</sup>	Firmness Deformation (mm)	Color (Rating 1-10)
<b>Round Tomato</b>				
<b>Charger</b>	2.98	7.0a	3.45a	7.0a
<b>RFT80773</b>	3.03	6.0b	3.83a	6.0b
<b>SVR200</b>	2.97	6.0b	3.51a	6.0b
<b>Tycoon</b>	3.40	5.0c	4.17a	5.0c
<b>Tygress</b>	3.10	5.0c	3.67a	6.0b
<b>BHN 833/Tygress</b>	3.21	5.0c	3.35a	6.0b
<b>BHN 833/Tygress Low<sup>y</sup></b>	2.98	6.0b	3.82a	7.0a
<b>FL 47</b>	2.62	6.0b	3.39a	7.0a
<b>Sebring</b>	2.01	5.0c	2.59b	5.0c
<b>P value</b>	0.08	0.0001	0.009	0.0001
<b>Sign.</b>	ns	**	**	**
<b>Roma Tomato</b>				
<b>HA 3365</b>	2.59	7. a	3.05	7.0

DAH = Days after first harvest

<sup>z</sup>Very firm ≤ 0.7 mm; firm ≤ 1.4mm; medium ≤ 2.1 mm; Soft ≤ 2.8 mm; very soft ≥ 3.9 mm.

<sup>y</sup> 1= green and 10 = purple.

<sup>x</sup> Within columns, means followed by different letters are significantly different according to Duncan's Multiple Range Test at 5%.

\*\*Significance at  $P \leq 0.01$  \*Significance at  $P \leq 0.05$  ns Non-significance.

<sup>y</sup>BHN 833/Tygress Low = 1,984 plants/acre.

**Table 16. Blind evaluation of plants and fruits at first harvest for TYLCV resistance tomato varieties grown in spring 2011, Estero, FL. (Blind evaluation was calculated from the contribution of 21 participants based in rating scale 1-5; 1= very poor and 5 = very good).**

Variety	Tomato Plants and Fruit Evaluation						Overall rate
	Earliness type	Plant Vigor	Fruit size	Firmness	Fruit quality	Yield potential	
<b>Round Tomato</b>							
<b>Charger</b>	2.8	3.3bcd	3.0cd	3.4	3.3a	3.4a	3.3ab
<b>RFT80773</b>	2.8	3.4abc	2.9d	3.6	3.1ab	3.5a	3.1abc
<b>SVR200</b>	2.8	3.1cd	2.8d	3.4	2.7bc	3.2a	2.8bcd
<b>Tycoon</b>	2.8	3.0d	2.9d	3.7	2.3c	2.6b	2.4d
<b>Tygress</b>	3.0	3.0d	3.5ab	3.3	3.1ab	3.2a	2.7cd
<b>BHN 833/Tygress</b>	3.0	3.0d	3.4abc	3.8	3.5a	3.5a	3.4a
<b>BHN 833/Tygress Low<sup>y</sup></b>	2.4	3.1cd	3.1bcd	3.3	2.8b	3.3a	2.9abc
<b>FL 47</b>	2.6	3.8a	3.5ab	3.4	3.4a	3.6a	3.4a
<b>Sebring</b>	2.4	3.5ab	3.7a	3.5	3.4a	3.3a	3.2abc
<b>P value</b>	0.08	0.0001	0.0002	0.06	0.0001	0.0002	0.0001
<b>Sign.</b>	ns	**	**	ns	**	**	**
<b>Roma tomato</b>							
<b>HA 3365</b>	3.29	1.86	1.67	2.83	2.33	2.50	2.00

<sup>z</sup> Within columns, means followed by different letters are significantly different according to Duncan's Multiple Range Test at 5%.

\*\*Significance at  $P \leq 0.01$  \*Significance at  $P \leq 0.05$  ns Non-significance.

<sup>y</sup>BHN 833/Tygress Low = 1,984 plants/acre.