



UNIVERSITY OF GEORGIA  
EXTENSION

# 2022 Fall Tomato Variety Trial Data

Cale Cloud

UGA Extension Agent – Grady County, GA

# Locations

1. Tifton – UGA Hort Hill 1
2. Moultrie – Ty Torrance/L&M Farms
3. Tifton – UGA Hort Hill 2
4. Cairo – Cale Cloud/Hopkins Farms

# Methods & Materials

- 10 plants per treatment/variety
- 4 replications
- Harvested 5 center plants
- TYLCV data taken
  - 30 days
  - 45 days
  - 60 days

# Hort Hill 1 and Moultrie

Variety	Source	TYLCV	TSWV
Grand Marshall	Sakata	x	
Camaro	Sakata	x	
STM 2255	Sakata	x	x
Red Snapper	Sakata	x	x
Varsity	Syngenta	x	x
Jolene	Bejo	x	
Myrtle*	Bayer		x

# Tomato Yellow Leaf Curl Virus (TYLCV)



# Tomato Chlorosis Virus (ToCV)



# Hort Hill 1 – Yield Data

Trt	Split	L Wt	XL Wt	J Wt	Mkt Wt	Red %
Grand Marshall	5.3 b	2.6 c	18.4 a	17.4 a	38.4 a	24.3 a
Jolene	2.8 b	5.8 ab	19.5 a	12.9 abc	38.2 a	28.9 a
Camaro	3 b	4.1 bc	16.8 abc	14.7 ab	35.6 a	20 ab
STM 2255	11.0 a	4.1 bc	17.9 ab	10.1 bc	32 ab	27.5 a
Red Snapper	4.5 b	3.2 bc	11.1 c	8 cd	22.3 b	6.5 b
Varsity	6 b	7.5 a	11.7 bc	2.5 de	21.7 b	18.7 ab
Myrtle	12.5 a	3.1 bc	2.4 d	0.7 e	6.1 c	13.5 ab

# Moultrie – Yield Data

Variety	Catface	Split	L Wt	XL Wt	J Wt	Mkt Wt	Ave Wt
Varsity	1.5 bc	2.3 bc	1.5 a	13.0 ab	27.2 a	41.7 a	0.443 a
Grand Marshall	2 abc	7 ab	0.8 a	16.4 a	19.6 b	36.8 ab	0.4278 a
Camaro	3.3 ab	4 bc	1.4 a	14.6 a	19.3 b	35.3 ab	0.419 a
Jolene	0.5 c	5 abc	2.1 a	17.8 a	13.9 b	33.7 abc	0.428 a
Red Snapper	1.5 bc	1.5 c	0.9 a	13.5 ab	18.1 b	32.5 abc	0.428 a
STM 2255	1.8 abc	4 bc	2.1 a	14.2 a	15.3 b	31.6 bc	0.423 a
Myrtle	3.5 a	10.0 a	0.8 a	9.2 b	14.7 b	24.8 c	0.433 a





# Hort Hill 2 Entry List

Variety	Source	TYLCV	TSWV
Grand Marshall	Sakata	x	
Thunderbird	Sakata	x	
STM 2255	Sakata	x	x
Patsy	Bejo	x	x
Emmylou	Bejo	x	x
HM 8148	HM Clause	x	
Summerhaven	Enza	x	x
Winterhaven	Enza	x	x
Skyway 687	Enza	x	x

# Hort Hill 2 - Yield Data

Trt	LWt	XL Wt	JWt	MktWt	AveWt
Summer Haven	6.8 bc	23.3 ab	20.6 a	50.7 a	0.377 a
Grand Marshall	6.2 bcd	21.1 b	18.8 ab	46.1 ab	0.363 ab
Winter Haven	7 bc	29.3 a	8.4 cd	44.7 ab	0.329 bc
HM 8148	12.1 a	21.8 b	10.4 cd	44.3 ab	0.325 bc
Emmylou	6.8 bc	20.5 b	15.1 abc	42.4 ab	0.355 abc
STM 2255	7.9 b	17.2 bc	12.4 bcd	37.5 bc	0.348 abc
Patsy	7.8 bc	17.9 bc	7 d	32.7 c	0.321 c
Skyway 687	4.8 cd	13.4 c	14.2 abcd	32.4 c	0.364 ab
Thunderbird	3.3 d	13.8 c	12.8 bcd	29.9 c	0.373 a

# Hort Hill 2 - Fruit Quality Data

Trt	Split	BER	Red %	Mkt %
Winter Haven	4.8 c	2.5 c	35.2 abc	88 a
Summer Haven	5.5 c	3.8 bc	25.7 cd	87.2 a
Grand Marshall	7.3 c	2.3 c	36.3 abc	85.6 ab
Patsy	3.8 c	4 abc	44.5 a	83.1 ab
Emmylou	18.8 a	0 c	29.3 bcd	81.2 abc
HM 8148	16.5 ab	4.3 abc	22.6 cd	80.4 bc
Thunderbird	5 c	9.8 a	41.3 ab	79.1 bc
STM 2255	10.5 abc	3 c	42.5 ab	78.9 bc
Skyway 687	8.8 bc	9.3 ab	19.8 d	76.2 c

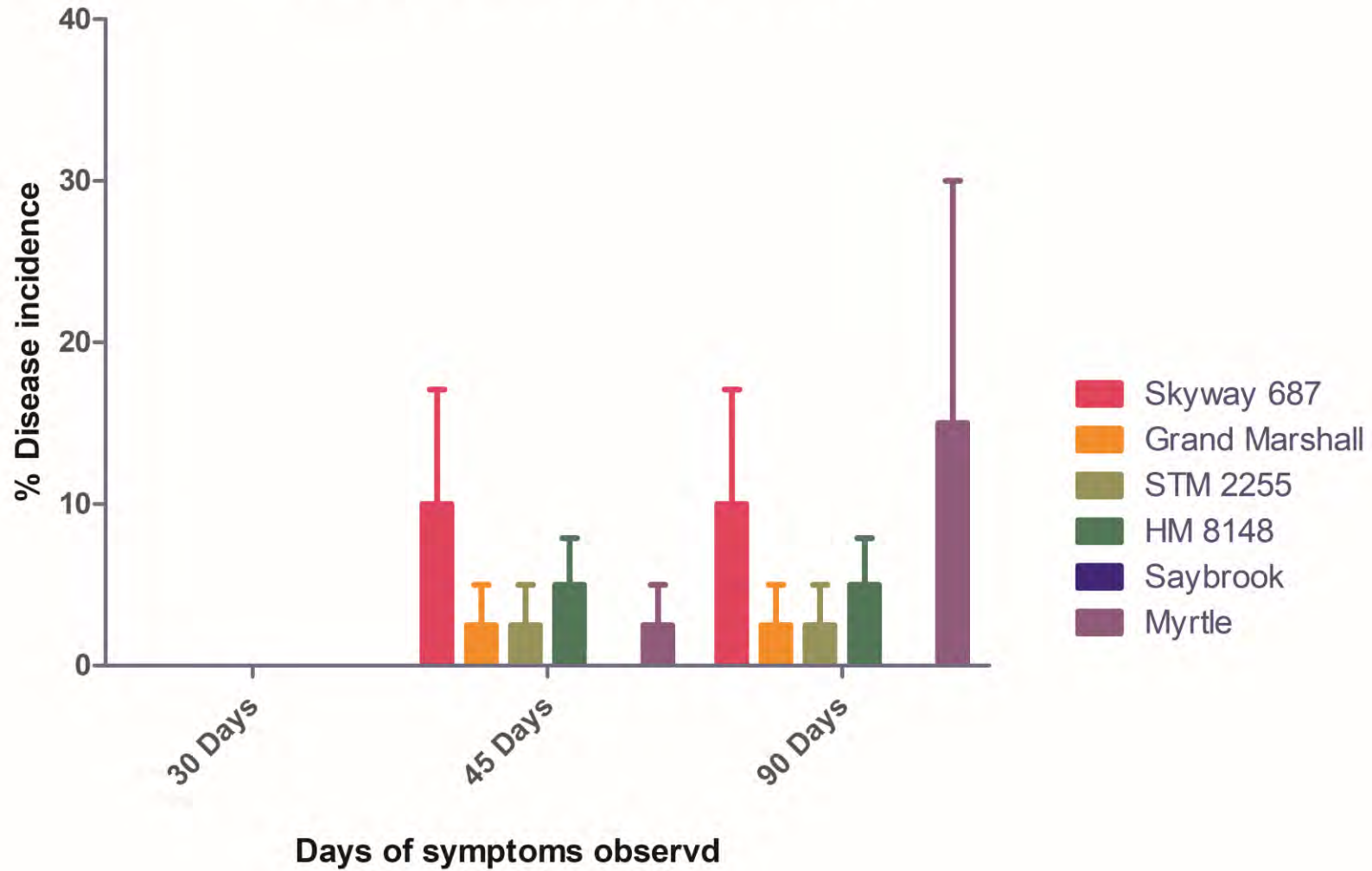


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# Cairo Entry List

Variety	Source	TYLCV	TSWV
Skyway 687	Enza	x	x
Grand Marshall	Sakata	x	
STM 2255	Sakata	x	x
HM 8148	HM Clause	x	
Saybrook*	Bayer		x
Myrtle*	Bayer		x

### Tomato: Grady county: TYLCV



# Cairo Results

Trt	Bacteria	L Wt	XL Wt	J Wt	Total Wt	Ave Wt
Grand Marshall	7.3 a	2.2 a	25.2 a	41.7 a	69.2 a	0.420 a
HM 8148	7.3 a	2.3 a	24.9 a	32.6 a	59.9 a	0.402 a
STM 2255	7.5 a	3.4 a	20.2 ab	35 a	58.8 a	0.452 a
Skyway 687	7 ab	1.8 a	21.5 ab	30.3 a	53.6 a	0.418 a
Myrtle	7.8 a	2.5 a	16.8 b	33.3 a	52.7 a	0.457 a
Saybrook	6.3 b	1.0 a	16.5 b	33.4 a	51 a	0.430 a



# Recommendations

- Yes

Grand Marshall

Jolene

Camaro

Summerhaven

Winterhaven

- Maybe

- Varsity (Moderate Virus)

- HM 8148 (Nematode)

# Questions?

- Thank you!
  - Dr. Ted McAvoy
  - Dr. Sudeep Bag
  - L&M Farms
  - Hopkins Farms
  - Ricky Powe Farms
  - Seminis
  - Sakata
  - Bejo
  - Enza Zaden
  - Harris Moran
  - Syngenta

