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EXTENSION

2023 TOMATO SPOTTED WILT VIRUS(TSWV) Update

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2023 Spring Tomato Variety Trial Data Cairo, GA

Variety	Source	TYLCV	TSWV
Grand Marshall	Sakata	x	
Camaro	Sakata	x	
Thunderbird	Sakata	x	
STM 2255	Sakata	x	x
Red Snapper	Sakata	x	x
Patsy	Bejo	x	x
SV 7631	Bayer/Seminis		x
Rambler	Sakata		x
Myrtle	Bayer/Seminis		x



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- TSWV rated at:
 - 30 days
 - 45 days
 - 60 days



Results – Virus & Culls

Variety	Virus	Culls
Red Snapper	0 b	14 bc
SV 7631	0 b	11.25 c
STM 2255	0.25 b	10.5 c
Rambler	0.25 b	6.25 c
Patsy	0.667 b	7.3 c
Myrtle	0.75 b	15 bc
Camaro	13.5 a	25.25 ab
Grand Marshall	15.5 a	34.75 a
Thunderbird	19 a	32.25 a

Results – Fruit Quality Data

Variety	BER	Splits	Catface	Red
Rambler	0.25 b	0.75 b	1.25 ab	10.5 b
STM 2255	0.5 ab	3.25 ab	2.5 a	12.25 ab
Red Snapper	0.67 ab	5.67 a	1.67 ab	10 b
SV 7631	1 ab	3.5 ab	0.5 b	17.25 a
Patsy	1.67 ab	2 ab	0 b	10.3 b
Myrtle	4.75 ab	2.75 ab	1.5 ab	9.75 b
Camaro	1.25 ab	6 a	2.5 a	2.75 c
Grand Marshall	5.75 ab	5 ab	2.5 a	1.75 c
Thunderbird	6.75 a	2.25 ab	3 a	3.25 c

Results – Yield Data

Variety	XL Wt	JWt	MktWt
Patsy	13.7 a	38.9 a	53.6 a
Rambler	11.1 ab	37.2 a	49.2 a
Red Snapper	8.5 bc	38.5 a	47.5 a
STM 2255	7.8 bcd	38.4 a	46.9 a
SV 7631	7.2 bcd	34.6 a	42.4 a
Myrtle	7.2 bcd	33.9 a	41.8 a
Thunderbird	3.28 d	8.2 b	11.8 b
Grand Marshall	3.26 d	7.6 b	11.4 b
Camaro	4.1 d	6.7 b	11.2 b

Conclusions

- All TSWV resistant varieties performed well
 - No statistical difference in marketable weight
- Patsy and Rambler were top in XL weight
 - Patsy less Catface
 - Rambler less BER/Splits
- SV 7631 & STM 2255 were the earliest maturing varieties
 - 7631 less catface
- Plant virus incidence for TSWV resistant varieties was zero
- Camaro, Grand Marshall & Thunderbird are excellent FALL varieties, not recommended for spring planting

- **Thank you!**

- Ty Torrance
- Cale Cloud
- Dr. Sudeep Bag
- L&M Farms
- Hopkins Farms
- Ricky Powe Farms
- Wilder Farms
- Seminis
- Sakata
- Bejo
- Enza Zaden
- Harris Moran
- Syngenta

