THRIPS AND TSWV UPDATE: RESISTANCE IN TOMATO AND PEPPERS

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Work continued on the thrips TSWV survey in 2006 in order to to predict the timing and relative intensity of TSWV spread from overwintering hosts into susceptible crops in the spring in south Georgia. Such a preventative system would allow growers to adjust their selection of TSWV management tactics, such as selection of TSWV-resitant cultivars (below), to the intensity of the TSWV problem and thereby avoid incurring unnecessary management expenses. Current information (through December 2006) will be presented. This information is posted monthly at http://www.tomatospottedwiltinfo.org in the form of a pest advisory. Also, results from a TSWV-resistant pepper and tomato cultivar test will be presented (05/25/06 percentage TSWV symptomatic plants used to rank cultivars below).

Pepper TSWV Host Plant Resistance Trial

Cultivar groups	Company	Res(R)/Sus(S)	% TSWV	
Stiletto	Syngenta	R	0%	c
Heritage	Harris Moran	R	0%	c
Magico	Harris Moran	R	0%	c
Plato	Seminis	R	0%	c
Aristotle	Seminis	S	23%	b
Excursion II	Abbott & Cobb	R	40%	b
Revolution	Harris Moran (Clifton)	S	63%	a

Tomato TSWV Host Plant Resistance Trial

Cultivar groups	Company	Res(R)/Sus(S)	% TSWV	
Amelia	Harris Moran (Clifton)	R	0%	d
Quincy	Seminis	R	0%	d
BHN 685	BHN (Siegers)	R	0%	d
Bella Rosa	Sakata (Siegers)	R	3%	d
Talladega	Syngenta	R	3%	d
HAZ 3074	Hazera (Siegers)	R	3%	d
BHN 444	BHN (Siegers)	R	7%	cd
BHN 640	BHN (Siegers)	R	7%	cd
Crista	Harris Moran (Clifton)	R	7%	cd

Muriel	Sakata (Siegers)	R	10%	cd
Cupid	Seminis	S	23%	cd
BHN 602	BHN (Siegers)	R	33%	bc
Caporal	Vilmorin (Clifton)	R	53%	ab
Mariana	Sakata (Rupp)	S	70%	ab
FL 47	Seminis (Siegers)	S	77%	a
Marglobe	USDA	S	80%	a