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LOCKWOOD LECTURE

Nanotechnology and Bacterial Disease Suppression in Florida Tomatoes



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Quincy, FL

Friday, October 12, 2018

Tea: 10:30 a.m., Lecture: 11:00 a.m.

**Jones Auditorium, The Connecticut Agricultural Experiment Station
123 Huntington Street, New Haven, CT**

Copper is the most commonly used bactericide on tomatoes for decades in Florida, other states in the U.S. and globally. Bacterial spot disease of tomato caused by *Xanthomonas perforans* is the leading bacterial disease of tomato. Currently, all strains of this bacterium in Florida and other states in the U.S. are tolerant to copper making it ineffective. This presentation will cover the findings from some of the recent approaches utilizing nanotechnology for management of bacterial spot of tomato including lab, greenhouse, and field studies and studies focused on understanding the mechanism of action.

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