



TEXAS A&M AGRILIFE EXTENSION

The BEAUTY of
DISEASED TOMATOES
“pretty” plant health observations



Dr. Kevin Ong
Professor & Assoc. Dept Head
Plant Pathology & Microbiology
Director - TX Plant Disease Diagnostic Lab

Interesting phenomenon...



Not disease



Adventitious roots



J-root



Oedema





Unknown



Nutritional? Environmental?



Cold damage



Chemical damage



More chemical injury



Plant Pathology & Microbiology



Damping off



More damping off



Early blight (Alternaria)



Early Blight (Alternaria)



Powdery Mildew on tomato



Powdery Mildew on tomato

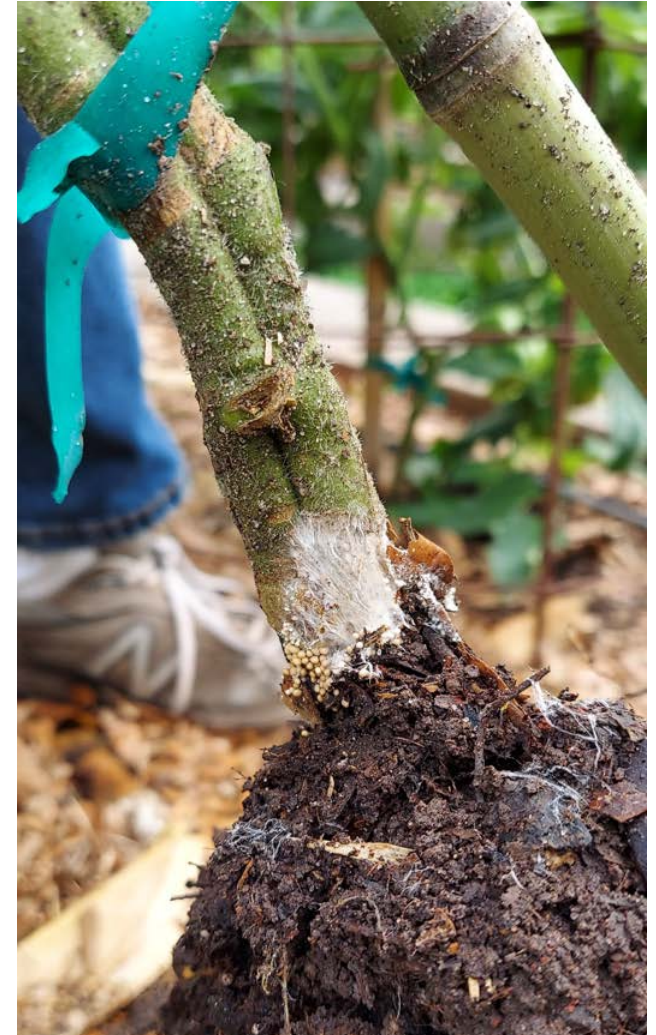


Leaf mold (*Passalora fulva*)



Southern blight (*Athelia rolfsii*)

TEXAS A&M
AGRILIFE
EXTENSION



Tomato Spotted Wilt Virus

TEXAS A&M
AGRILIFE
EXTENSION



Plant Pathology & Microbiology

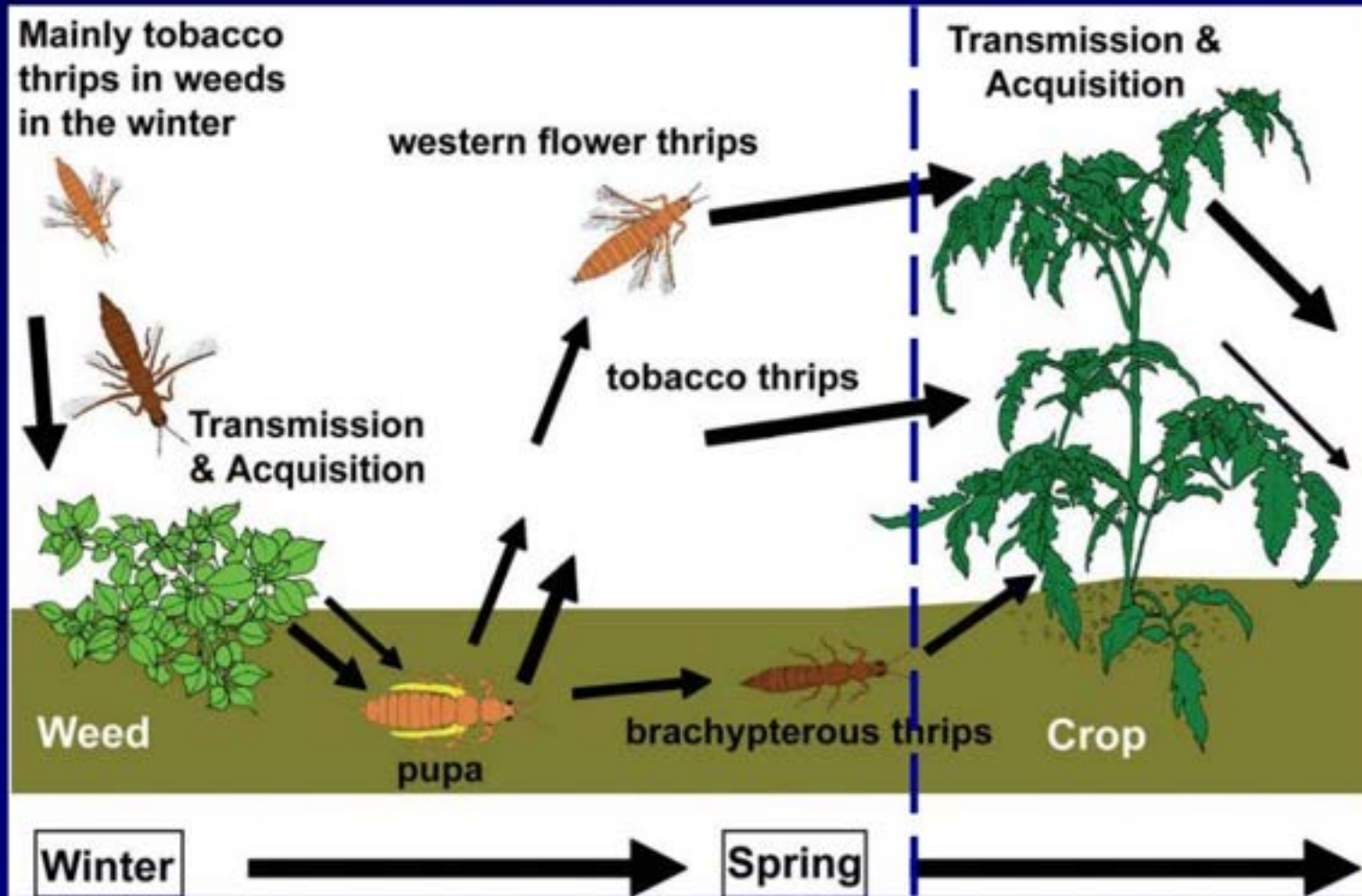
PEPM
TEXAS A&M UNIVERSITY



Tomato Spotted Wilt Virus (tospovirus)



Photos: William M. Brown Jr., Bugwood.org



David Riley, Robert McPherson, Lenny Wells. 2005. Thrips Vectors of TSWV. The Coastal Plain of Georgia Research Report, University of Georgia - College of Agriculture and Environmental Sciences, # 704, p14

Tomato Yellow Leaf Curl Virus



Begomovirus



Photos: Don Ferrin, Louisiana State University Agricultural Center,
Bugwood.org

TOMATO YELLOW LEAF CURL VIRUS



Stem pithing (bacteria?)



TEXAS A&M
AGRILIFE
EXTENSION

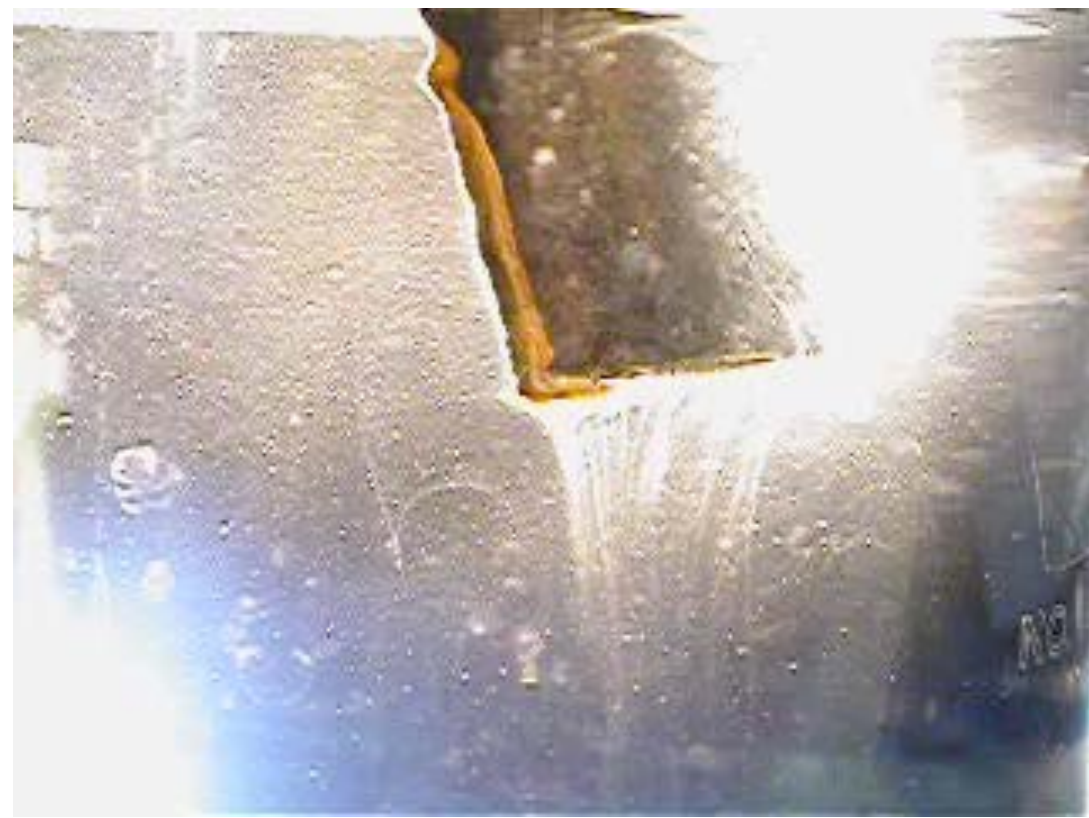
Bacterial wilt



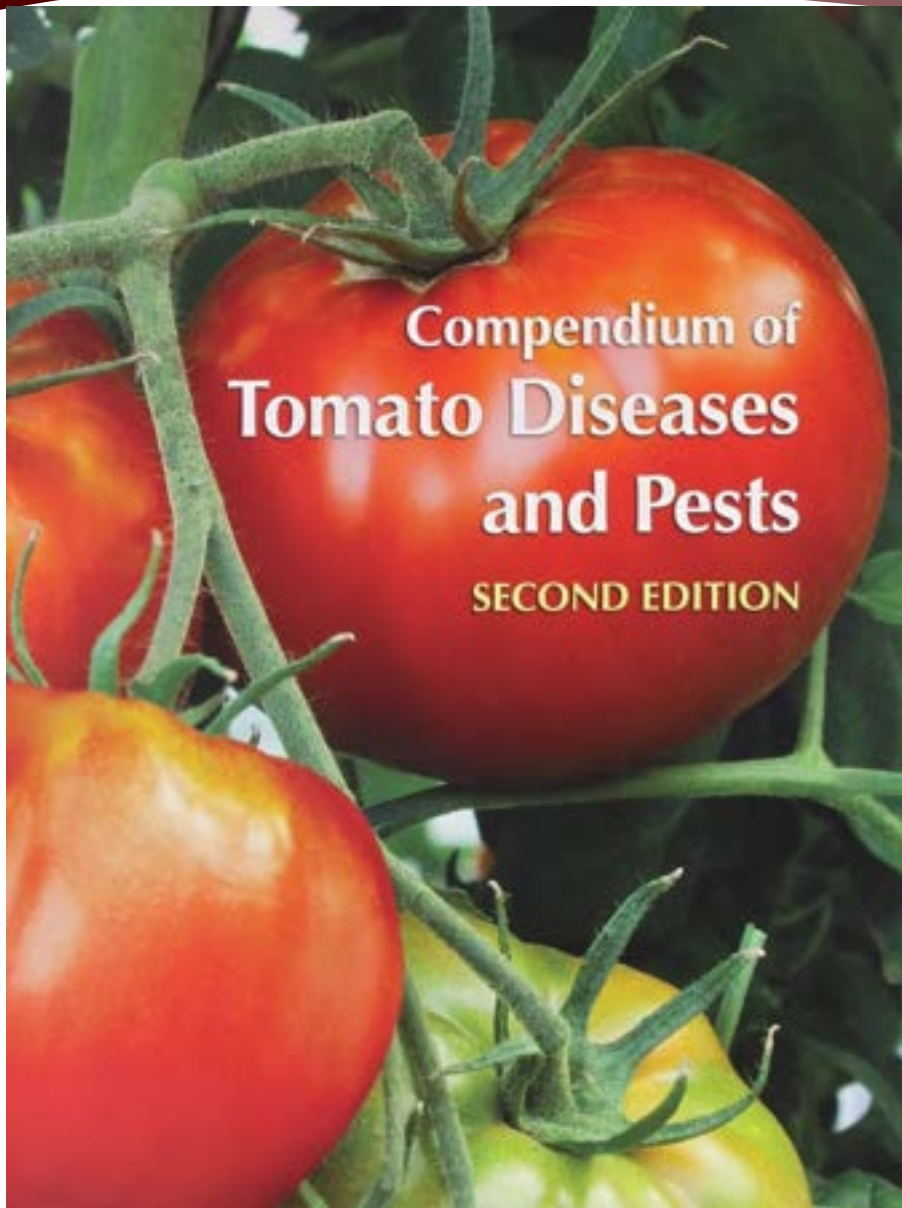
Bacterial wilt



Bacterial streaming







TEXAS A&M
AGRILIFE
EXTENSION



Published by APS (The American
Phytopathological Society) Press

Available online

<https://my.apsnet.org/APSStore/>



TEXAS PLANT DISEASE DIAGNOSTIC LABORATORY

Department of Plant Pathology and Microbiology
Texas A&M University
plantpathology.tamu.edu



plantclinic.tamu.edu



TEXAS A&M UNIVERSITY



TEXAS A&M AGRI LIFE EXTENSION

Plant Pathology & Microbiology

PLPM
TEXAS A&M UNIVERSITY



TXPlantClinic

