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2015 Update Mtg: Plant Pathology Update: New Diseases

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Plant Pathology Update: Viruses and 'footprint' disease



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Virus Update

- Two viruses new to MA
 - TSV (Tobacco Streak Virus)
 - BISHV (Blueberry Shock Virus)
- Relatively new to cranberry industry
- Howes and Stevens

Symptoms TSV and BISHV



Disease cycle

- Impact on cranberries unknown
- TSV= broad host range
- Transmission via seeds, insects, and pollen
 - Unknown in cranberry
- Plants 'recover'
- Scarring may be due to 'shock reaction'

Management

- Perennial crop
- Special test needed to confirm virus
- Limit traffic between beds
- Planting material

'Footprint' disease



'Footprint' disease

- No pathogen has been isolated
- Main suspect: *Pythium*
 - Close relative of *Phytophthora*
- Active early in the season (May)
- Expands every year
- Observed on Stevens
- Rampart application seems to help

If you have dead patches

- Check for scale insects
- Measure the patch
- Consider Rampart applications
- Contact me (the earlier the better)

