

## 2020 NCPDN Annual Meeting

### UW Plant Disease Diagnostics Clinic Highlights for 2019

Brian D. Hudelson

Department of Plant Pathology

University of Wisconsin-Madison/Extension



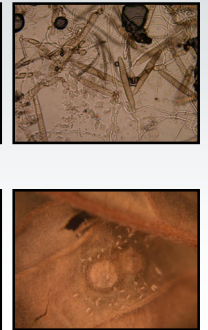
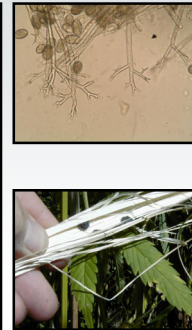
## UW PDDC Highlights for 2019 Boxwood Blight



## UW PDDC Highlights for 2019 Sudden Oak Death (Ramorum Blight)



## UW PDDC Highlights for 2019 Industrial Hemp



## UW PDDC Highlights for 2019 Phytoplasma Diseases



Green Ash  
(16SrVII-A)



Black Walnut  
(16SrIII/III-A/VII-A)



Chokecherry  
(16SrIII-A)



White Ash  
(16SrVII-A)

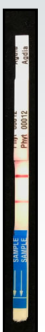
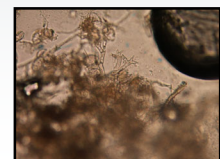
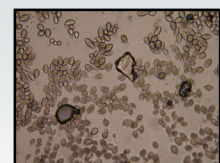


Shagbark Hickory  
(16SrVII-A)



Cornus sp.  
(16Sr?)

## UW PDDC Highlights for 2019 Grape Downy Mildew



## UW PDDC Highlights for 2019 Staffing

- Brian Hudelson (Director/Diagnostician)
- Sue Lueloff (Assistant Diagnostician)
- Ann Joy (Data entry)
- Dixie Lang (IT/website/social media support)
- Alex Mikus (Student hourly)
- Gisele Guzman (High school intern)
- Honorary PDDC staff
  - Laurie Ballentine (Clerical support)
  - Andy Witherell (Molecular expertise)



## UW PDDC Highlights for 2019 Diagnostics Statistics

- PDDC samples: 1506
  - Trees and shrubs: 47%
  - Vegetable: 22%
  - Field and forage: 8%
  - Herbaceous ornamentals: 7%
  - Fruit: 7%
  - Soil: 4%
  - Specialty crops: 4%
  - Miscellaneous: 1%
- IDL samples: 2542 (PJ Liesch)



## UW PDDC Highlights for 2019 Molecular Diagnostics

- *Agrobacterium tumefaciens*
- *Bretziella fagacearum*
- Carlaviruses (genus and hops species)
- *Dickeya dianthicola*/*D. didantii*/*D. solani*
- *Pectobacterium carotovora*/*P. atrosepticum*/*P. wasabiae*
- Phytoplasmas (including cloning)
- *Pseudoperonospora humuli*
- Tobacco rattle virus
- *Verticillium* spp.
- *Xanthomonas* spp.



## UW PDDC Highlights for 2019 Outreach Programs

- Total: 111 (22 counties)
- Oral Presentations
  - Master Gardener
  - Ornamental horticulture (consumer and commercial)
  - Fruit and vegetable (consumer)
  - Field and forage crop
- Booths
  - Garden Expo (wigardenexpo.com)
  - WMARS Hort Field Day (westmadison.ars.wisc.edu)
- Radio (wpr.org)



## UW PDDC Highlights for 2019 Web and Social Media

- PDDC Website (pddc.wisc.edu)
  - Sample submission information and form
    - Physical
    - Digital
  - Fact sheet repository
  - Wisconsin Disease Almanac
  - Periodic web articles
  - Master Gardener resource page
  - Talks for the general public
- Twitter (@UWPDDC)
- Facebook (@UWPDDC)



## UW PDDC Highlights for 2019 Publications

- Garden Facts/Farm Facts/Pest Alerts (260+)
  - New\*/Revised titles
    - American Fig Fly\*
    - Asparagus Beetles
    - Bagging Apples for Insect and Disease Control\*
    - Cabbage Maggot
    - Cucumber Beetles
    - Flea Beetles
    - Home Fruit Insecticides
    - Lily Leaf Beetle\*
    - Poison Ivy\*
    - Professional Guide to Emerald Ash Borer Insecticide Treatments
    - Squash Bug
    - Sudden Oak Death
    - Typhula Blight\*
    - Using Wood Ash in the Home Garden\*
    - Vegetable Varieties for Containers\*
    - Viburnum Leaf Beetle

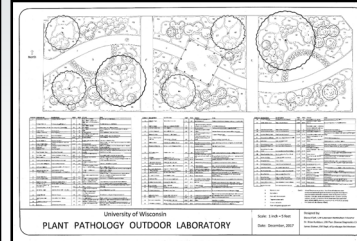


## UW PDDC Highlights for 2019 Instruction

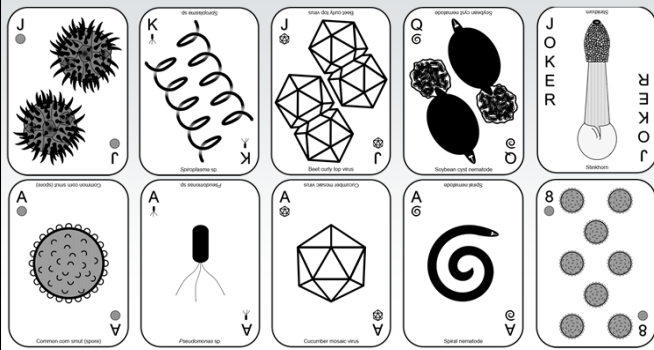
- PP699: Plant Disease Diagnostics Clinic Practicum
- PP354: Diagnosing and Monitoring Pest and Nutrient Status of Field Crops
- PP559: Diseases of Economic Plants
- Hort334: Greenhouse Production of Ornamental Plants
- Hort375: Planting for a Greener World



## UW PDDC Highlights for 2019 Plant Pathology Outdoor Laboratory



## UW PDDC Highlights for 2019 Fun and Games



## UW PDDC Highlights for 2019 Questions?

Plant Disease Diagnostics Clinic  
Department of Plant Pathology  
University of Wisconsin-Madison  
1630 Linden Drive  
Madison, WI 53706-1598  
(608) 262-2863  
[pddc@wisc.edu](mailto:pddc@wisc.edu)  
<https://pddc.wisc.edu>  
Follow on Facebook and Twitter @UWPDDC