

2026 PDDC Plant Disease Talks

Fun and Games at the PDDC!

Brian D. Hudelson

Department of Plant Pathology

University of Wisconsin-Madison/Extension



Fun and Games at the PDDC!

Location



- Russell Labs
- Labs: Rm. 183, Rm. B37
- Office: Rm. 290

Fun and Games at the PDDC! Staff

- Brian Hudelson (Director/Diagnostician)
- Dante Tauscheck (Assistant Diagnostician)
- Dixie Lang (IT/website/social media support)



Fun and Games at the PDDC! Diagnostic Services



- Sample types
 - Digital photos
 - Physical samples
- Diagnostic methods
 - Classical (culturing, moist chambers, microscopy, bioassays, etc.)
 - Serological (dip sticks, ELISA)
 - Molecular (PCR, DNA sequencing, cloning)
- Reporting methods
 - Email (digital photos)
 - Written letter (physical samples)
 - Phone (critical diagnoses)

Fun and Games at the PDDC! Molecular Diagnostics

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



Fun and Games at the PDDC! Diagnostic Fees



- Digital diagnosis fee: \$25
- Base fee: \$30
- Culturing fee: \$5 per medium per plant part
- Serological test fees
 - Dip stick: \$12
 - ELISA: \$40
- DNA/RNA test fees
 - \$40 for the first PCR reaction (includes extraction costs)
 - \$20 for each additional PCR reaction
 - \$40 for DNA sequencing

Fun and Games at the PDDC! Diagnostic Fees

- **Free diagnostics: \$0**
 - High economic impact disease samples: late blight
 - New/emerging/regulated disease samples
 - Boxwood blight
 - Red star rust (Japanese apple rust/lipstick rust)
 - Sudden oak death/Ramorum blight
 - Ralstonia wilt
- **Needs-based samples**
 - Individuals
 - Schools
 - Non-profits
- **Extension educational samples**
 - Digital (all)
 - Physical (limited numbers)



Fun and Games at the PDDC! Diagnostic Samples

- **Total samples 2025: 1192**
 - Trees and shrubs: 63%
 - Vegetable: 12%
 - Herbaceous ornamentals: 12%
 - Fruit: 9%
 - Field and forage: 4%
 - Miscellaneous: <1%
 - Specialty crops: 0%
 - Soil: 0%



Fun and Games at the PDDC! Instruction

- PP559: Diseases of Economic Plants (Ornamentals)
- PP699: Plant Disease Diagnostics Clinic Practicum
- PP300: Introduction to Plant Pathology (Diagnostics)
- PP590: Plant Pathology Capstone
- PP354: Diagnosing and Monitoring Pest and Nutrient Status of Field Crops
- PP558: Biology of Plant Pathogens
- PP875: Special Topics (Agricultural Oomycetes)
- PP990: Research
- Hort334: Greenhouse Production of Ornamental Plants
- Hort375: Special Topics
 - Planting for a Greener World
 - Arboriculture and Landscape Maintenance
- Farm and Industry Short Course: Plant Diseases



Fun and Games at the PDDC! Outreach Programs

- **Oral presentations**
 - On request programming
 - Master Gardener
 - Ornamental horticulture (consumer and commercial)
 - Fruit and vegetable (consumer)
 - Field and forage crops
- **Clinic-sponsored programming**
 - 2026 PDDC Plant Disease Talks
 - 2026 PDDC Ask the Experts Q&A Sessions
 - Clinic Tours

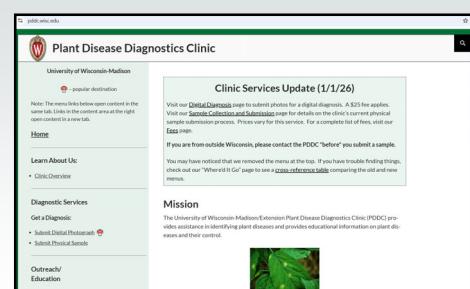


Fun and Games at the PDDC! Outreach Programs

- **Trade shows/Booths**
 - Garden & Green Living Expo
 - Ag Research Station Horticulture Field Days
 - Professional meetings
- **Mass media**
 - Wisconsin Public Radio (Garden Talk with Larry Meiller)
 - Wisconsin Public Television (The Wisconsin Gardener with Shelley Ryan)



Fun and Games at the PDDC! PDDC Website



• <https://pddc.wisc.edu>

Fun and Games at the PDDC! Social Media



- Facebook, Twitter (X), Bluesky (@UWPDDC)
- UWPDDCLearn



Fun and Games at the PDDC Publications: Fact Sheets



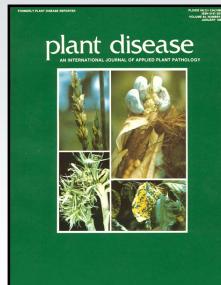
- Fact sheets (130+ titles)
 - Tree and shrub diseases
 - Herbaceous ornamental diseases
 - Fruit and vegetable diseases
 - Field and forage crop diseases



Fun and Games at the PDDC Publications: Fact Sheet Medallions



Fun and Games at the PDDC! Publications: Scientific Articles



- First reports

Fun and Games at the PDDC! Publications: Books



- Title: *Limerickettsia*



Fun and Games at the PDDC! Publications: Books



- Tentative Title: *Sublimerick*



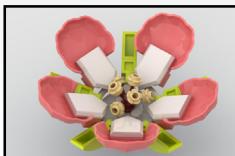
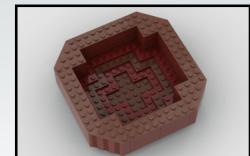
Fun and Games at the PDDC! Building Block Plant Diseases



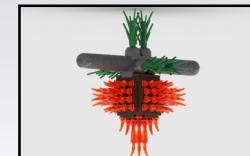
Fun and Games at the PDDC! Building Block Plant Diseases



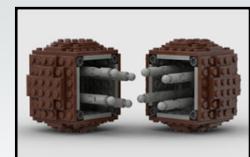
Fun and Games at the PDDC! Building Block Plant Diseases



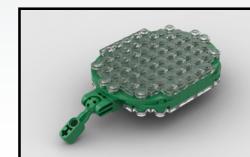
Fun and Games at the PDDC! Building Block Plant Diseases



Fun and Games at the PDDC! Building Block Plant Diseases

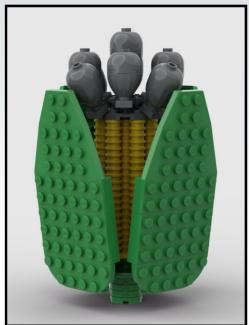


Fun and Games at the PDDC! Building Block Plant Diseases



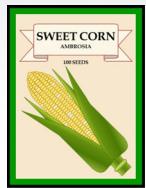
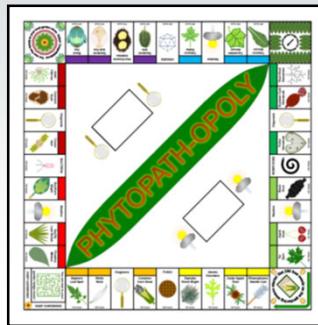
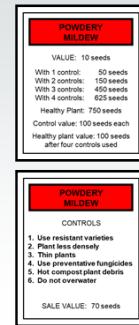
Fun and Games at the PDDC!

Building Block Plant Diseases



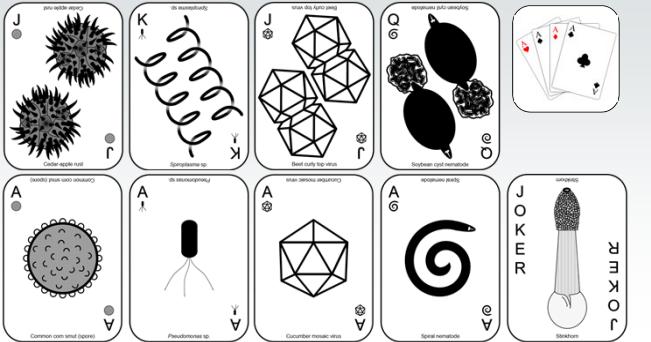
Fun and Games at the PDDC!

Games: Phytopath-opoly



Fun and Games at the PDDC!

Games: Playing Cards



Fun and Games at the PDDC!

Basse Couture



Fun and Games at the PDDC!

Plant Pathology Outdoor Laboratory



Fun and Games at the PDDC!

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
<https://pddc.wisc.edu>

Follow on Facebook, Twitter, Bluesky: @UWPDDC
 Subscribe to the PDDC Listserv: UWPDDCListserv