

2026 PDDC Plant Disease Talks

Fun and Games at the PDDC!

Brian D. Hudelson

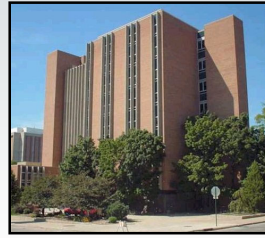
Department of Plant Pathology

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)



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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)



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Molecular Diagnostics

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



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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: 1174**
 - Trees and shrubs: 63%
 - Vegetable: 12%
 - Herbaceous ornamentals: 11%
 - 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
 - Ask Your Gardening Question: A Monthly Garden and Landscape Q & A Series

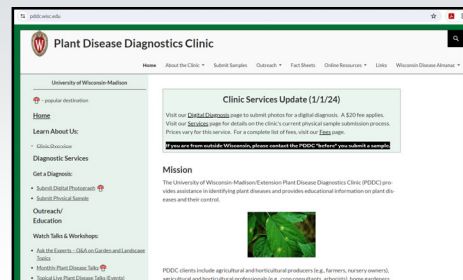


Fun and Games at the PDDC! Outreach Programs

- **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)

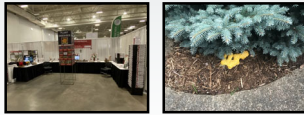


Fun and Games at the PDDC! PDDC Website



- <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

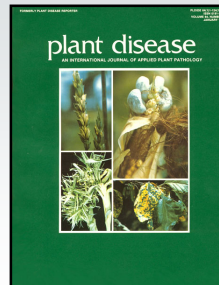


- Fact sheets (130+ titles)
 - Tree and shrub diseases
 - Herbaceous ornamental diseases
 - Fruit and vegetable diseases
 - Field and forage crop diseases

Fun and Games at the PDDC Publications: Fact Sheet Medallions

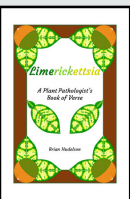


Fun and Games at the PDDC! Publications: Scientific Articles



- First reports

Fun and Games at the PDDC! Publications: Books



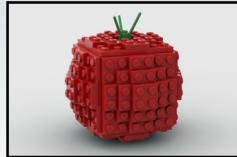
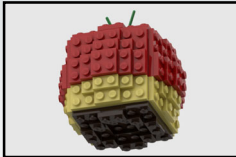
- Title: *Limerickettisia*

Fun and Games at the PDDC! Publications: Books

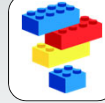


- Tentative Title: *Sublimerick*

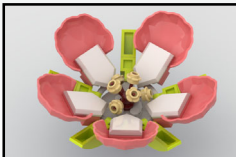
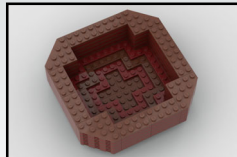
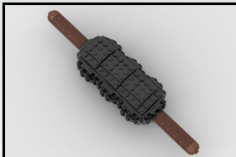
Fun and Games at the PDDC! Building Block Plant Diseases



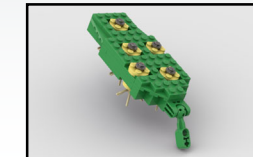
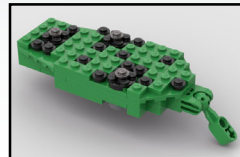
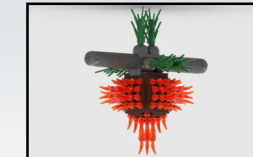
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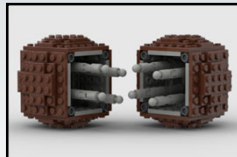
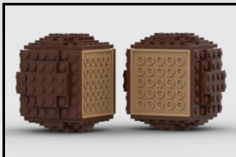
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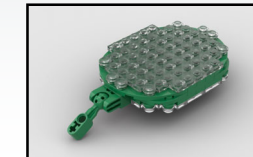
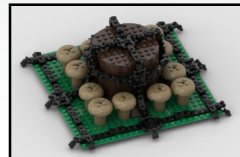
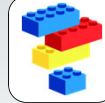
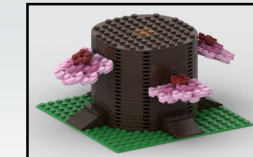
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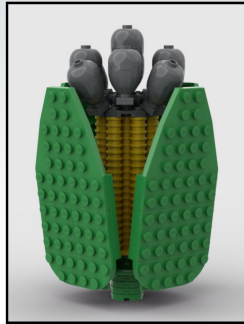
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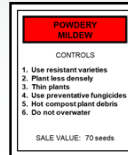
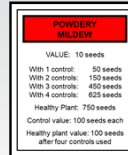
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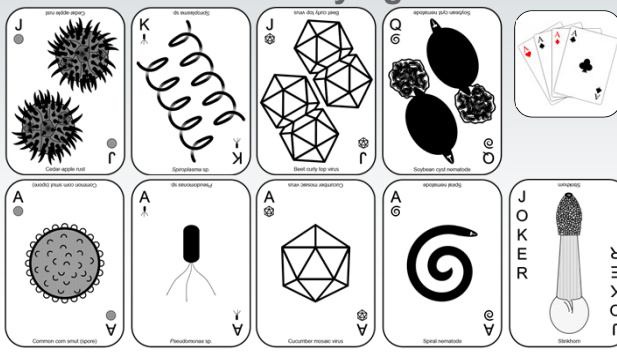
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Fun and Games at the PDDC! Games: Phytopath-opoly



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?

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