



2022 Montcalm Potato Field Day

Thursday, August 4, 2022 • 9:00 AM - 1:00 PM
MSU Montcalm Research Center • 4725 McBride Rd. NW Lakeview, MI 48850

Agenda

9:00 AM: Introductions - Chris Long and Dr. Kelly Turner

9:05 – 9:30 AM: Developing resilient potatoes in the age of Sustainable Potato Production & Regenerative Ag.

- What is next in variety development? Dr. Dave Douches
- Effects of water on crop development, and plant stress reduction: Dr. Yi Wang

Three Concurrent Sessions: 9:40 AM - 12:30 PM

1.) Measuring the impacts of irrigation water use on the potato production micro-climate and the economics of my operation.

- Simplifying technology and increasing access to in-field environmental data: Dr. Younsuk Dong
- Why upgrade irrigation systems?
 - Great Lakes Ag: Tools to improving water well production efficiency: Emily Main
 - Michigan Valley Irrigation: How does telemetry increase efficiency: John McGee
 - Farm Services: Nozzle calibration, system uniformity, nozzle upgrades: Jason Preston

2.) Irrigation management effects on potato production.

- Irrigation water and herbicide efficiency: Dr. Erin Burn
 - “See and Spray” technology: Mathew Klein
- Water and pathogen interaction: Dr. Jaime Willbur, Jill Check
- Water and soil fertility interactions w/ update on Potato Soil Health Project: Dr. Kurt Steinke, Madelyn Celovsky

3.) Storage management

- Importance of tuber periderm integrity: Celeste Dmytryszyn, Dr. Ray Hammerschmid
- Variety resistance to storage pathogens: Emma Schlachter
- Varietal black spot bruise sensitivity & importance of tuber condition into storage: Chris Long
- Dormancy enhancement, storage bin readiness, right products at the right time: Butch Riley

12:30 PM: Lunch

Tillage Demonstration: Mathew Klein

2:00 PM: MPIC Research Committee Meeting, Douglas Township Hall

Two (2) Restricted use pesticide credits are available for attendees. To register please visit:

mipotatoindustry.com/events/montcalm-field-day