In-Season Manure Application with Irrigation Field Day to be held in Klemme, Iowa

Iowa State University Extension and Outreach will host the in-season manure application with irrigation field day on August 2. Manure application past the V4 vegetative growth stage of corn has not been done mainly due to wet weather concerns and compaction issues. As corn grows taller, higher clearance machines are required to apply manure past V4 corn growth stage.

The field day will demonstrate 360 RAIN from the 360 Yield Center which enables manure application with irrigation beyond the V4 corn growth stage. The program will begin at 11:30 a.m. with a free lunch for registered participants; followed by presentations and demonstration of 360 RAIN. Field day will conclude by 3 p.m.

Registration is required for the field day. Please register by July 28 to ensure a free meal. Interested participants can register online by visiting https://go.iastate.edu/U1K57U or can also call the ISU Extension and Outreach Hancock County office at 641-923-2856 or email kristyb@iastate.edu. For more information about the field day, please contact Kapil Arora, field agricultural engineer at 515-291-0174 or Dr. Daniel Andersen, Associate Professor and Extension Engineer at 515-294-4210. The field day is a collaborative effort between the Iowa Pork Producers Association, 360 RAIN, United States Department of Agriculture, Ohio State University, and Iowa State University Extension and Outreach.

Nitrogen Circularity in Swine Finishing

The term circularity has become a buzzword in the sustainability discussion. Understanding a system’s circularity and how nitrogen flows through it is essential for ensuring we do our best to produce feed, fuel, and fiber while preserving our environment. Look at this month’s Manure Scoop to see nitrogen flows and get a feel for how circular swine production is and potentially could be.

Seasonal Checklists Provide Ventilation Maintenance Guidelines

By Brett Ramirez and Sherry Hoyer

Properly functioning ventilation systems are vital to today’s pork production facilities, and following a regular process for maintaining their operation can pay big economic dividends. Two new ventilation checklists from the Iowa Pork Industry Center offer a seasonal approach to checking the various components in an easy-to-use checklist format.

Brett Ramirez, agriculture and biosystems engineer with Iowa State University Extension and Outreach, originally developed the checklists for use in ventilation workshops. He said the checklists, one for summer and one for winter, are intended to help guide and remind the person in charge of maintenance and/or ventilation management of necessary tasks and inspections. Mark
Storlie, swine specialist with ISU Extension and Outreach, assisted with the checklists.

"These tasks are important steps in getting the barn and its ventilation system ready for upcoming changes in weather," Ramirez said. "The categories on the checklists are similar, although the items to be checked will be different depending on the season."

Typically, the summer checklist would be used around April to prepare for cooling season, and the winter checklist would be used around October for heating season.

The idea behind these checklists is simple, Ramirez said. Having a printed checklist that stays in the barn can be a useful tool to facilitate maintenance and ensure the proper equipment and components of the barn are being inspected.

"Some of the tasks and checkpoints listed might not be intuitive for everyone, so having a detailed list with place for notes is an excellent guide," he said. "Laminating a printed copy to keep in the barn also allows a person to mark what they found, and then easily clear it for the next year."

Ramirez cautioned producers that because each barn, each system and other contributing factors may be different, not all recommendations listed might be appropriate for every location.

These two-page pdf publications are available at no charge on the Extension store. Look for Summer Ventilation Checklist AE3553A and Winter Ventilation Checklist AE3553B.

North American Manure Expo Comes to Wisconsin August 9th and 10th

The North American Manure Expo will be held August 9th and 10th in Arlington, Wisconsin. The two-day event features farm tours, a trade show, and educational sessions from industry experts. Find a complete schedule and registration information here.

Iowa Nitrogen Initiative to Host Summer Field Days

The Iowa Nitrogen Initiative, a partnership between Iowa State University, agricultural service providers, and Iowa farmers, will host four field days in August and September.

The INI leverages the latest advances in precision agriculture and cropping systems modeling to improve nitrogen fertilizer recommendations for Iowa farmers. The project is farmer-focused and provides farmers with information that they can use to improve the productivity, profitability, and environmental performance on Iowa farms. The field days will feature presentations from INI researchers, participant farmers, related topics in nutrient management, and precision technology.

Field days will be held:

- Tuesday, August 15 hosted by farmer Tim Burrack – 8124 80th St., Arlington
- Wednesday, August 16 hosted by farmer Kelly Nieuwenhuis – 5910 440th St., Primghar
- Wednesday, August 23 hosted by farmer Dave Schwartz – 1778 Hwy 44, Guthrie Center
- Wednesday, September 6 hosted by Iowa State University – Klauer ISU Research Farm, 1.5 miles west on 210th St from 500th St./Y Ave., Boone County

RSVP at bit.ly/INIrsvp.
Events

August 2, 2023, 11:30 am – 3 pm

In-season Manure Application Field Day
Klemme, Iowa

August 9-10, 2023

North American Manure Expo
Arlington, Wisconsin

August – September 2023

Iowa Nitrogen Initiative Field Days
Multiple Locations