




Considerations for the Use of Manure Irrigation Practices

Livestock and Poultry Environmental (LPE) Learning Center Webinar
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Today

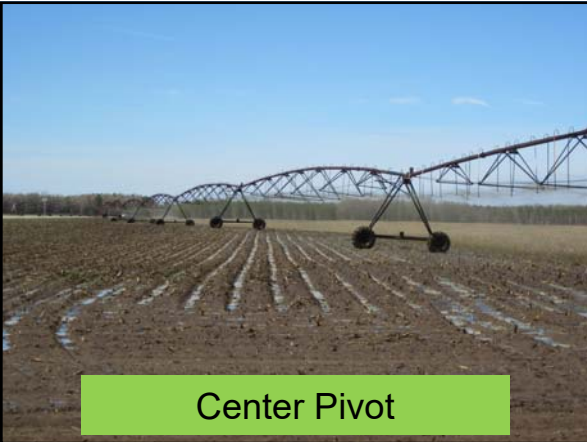
1: Ken Genskow
Background and Overview – WI Manure Irrigation and Workgroup

2: Becky Larson
Review of manure irrigation practices and issues

3: Tucker Burch
Summary of airborne pathogen drift study

4: Ken Genskow
Overview of workgroup recommendations

Closing/Questions/Discussion - All



Center Pivot








Traveling Gun








Issues identified by public

<u>Concerns</u>	<u>Benefits</u>
<ul style="list-style-type: none">• Public health risk from airborne pathogens and other contaminants• Drift• Odor and other quality of life concerns• Surface water quality• Groundwater• Implementation and compliance	<ul style="list-style-type: none">• Timing of manure application• Road safety and reduced road damage• Farm management and economic benefits





WI Manure Irrigation Workgroup
 Convened Spring 2013
 Purpose:
 Review issues and develop guidance on the practices of applying livestock manure or process wastewater through irrigation equipment
 Audience:
 • State and local agencies and officials
 • Interested/concerned stakeholders
 • Producers interested in the practices



Manure Irrigation Workgroup

- Scope of review:
 - benefits,
 - concerns,
 - remaining questions
- Decisions: Consensus seeking
- Product: Guidance and recommendations for stakeholders and those interested in establishing policy – local and state officials.
- Workgroup had no formal authority to establish policy

 <http://fyi.uwex.edu/manureirrigation/>



Manure Irrigation Workgroup


Composition:

UW-Madison/Extension (3)	County Health Departments (2)
USDA-ARS (1)	Dairy Farmers (3)
USDA-NRCS (1)	Professional agronomist (1)
WDNR (2)	Nutrient applicator (1)
WDATCP (1)	Organic Farmer/concerned citizen (1)
WDHS (2)	Wisconsin Land+Water Assoc (1)

Public Forums May 2013

Workgroup meetings: July 2013 – September 2015 (16 meetings)

Concurrent pathogen drift study by USDA-ARS & UW-Madison: 2013-2015



Workgroup Report

1. Introduction
2. Manure content, management, and current regulations
3. Considerations for manure irrigation practice
 - a. Droplet drift
 - b. Odor
 - c. Water quality
 - d. Air quality
 - e. Airborne pathogens
 - f. Timing
 - g. Other management issues
4. Scenarios
5. Response & recommendations

Appendices – including pathogen drift study expanded summary

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