

MANURE MANAGEMENT AND AIR QUALITY (MMAQ)
EDUCATION PROGRAM
WORKSHOP SERIES



Understanding Animal Agriculture and the Environment

Are you new to the animal agriculture industry and working in the area of environment?

If so, this workshop is for you.



This one-day workshop presents an overview of the animal agriculture industry including historic trends, production trends, and the impact of government programs. Experts in the poultry, dairy, beef, and swine industries will introduce participants to livestock and poultry production systems, the integration of these systems to cropping systems and their relationship with the environment. The information presented will be valuable to individuals new to animal agriculture and involved in the development and enforcement of regulations, zoning guidelines, and others that work with the livestock and poultry industries.

Who Should Attend:

Anyone new to animal agriculture and needing a broad perspective on the structure of the industry, production systems, and their relationships to cropping systems and the environment. Attendees will be staff from state and local agencies or from private industry.

To register: <http://www.manure.umn.edu/workshops>
or call 1-800-646-2282

For more information on the course content contact David Schmidt at 612-625-4262 or schmi071@umn.edu

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Course Agenda

Understanding Animal Agriculture and the Environment

Overview of the Livestock Industry

Brian Buhr from the University of Minnesota Department of Applied Economics will set the stage for the day by discussing major historic trends in animal agriculture, the economic impacts of animal agriculture, marketing trends, production trends, and government involvement in animal agriculture.

Livestock Production Systems

Representatives from various livestock industries will present an overview of their respective industries. Poultry, swine, dairy, and beef systems will be discussed. Each presentation will include information about the business and economic structure of their respective livestock industry, production cycles, facilities, nutrition, and marketing/processing.

Cropping Systems – Integrations with Animal Agriculture

Kevin Blanchet from the University of Minnesota Extension Service will give a summary of cropping systems and their impact on animal production systems and the environment. Participants will gain an understanding of common crop rotations, how crop systems and animal systems are integrated, soil fertility and soil erosion basics, and the impact of cropping systems on water quality.

Manure Handling/Storage

This section will focus on the all aspects of manure handling and storage from animal agriculture. David Schmidt from the Dept. of Bioproducts and Biosystems Engineering will discuss manure characteristics, collection and storage methods, manure application and planning, equipment necessary for land application, and integration of manure systems with crop and livestock production systems.

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