



USDA-CSREES 2007 National Water Quality Conference

[Tools for Integrating Feed Management into Nutrient Management Decisions](#)

The introduction of ASABE Standard D3284.2, Manure Production and Characteristics, has created the opportunity to integrate feed management decisions and animal performance measures into nutrient planning processes. This presentation will introduce two software tools that integrates estimates of nutrient excretion based upon feed program animal performance inputs with estimates of land-base, time requirements for land application of manure nutrients, and economic costs and benefits associated with land application. In addition, this presentation will compare common dietary options and animal performance variations associated with beef cattle production and quantify the impact of those inputs on land, time, and costs of manure application. This will include a review of the impacts of the use of animal feed by-products associated with ethanol production. Finally, the presentation will explore common management decisions (such as nitrogen vs. phosphorus application rates) to evaluate impact on land, time, and costs of manure application.

Author: Richard Koelsch

University Affiliation: University of Nebraska

Co-Author(s): Galen Erickson, Ray Massey and Virgil Bremer