

Linking the Pieces of Precision Farming Systems. (A09-reetz154013-Oral)

Authors:

- H.F.Reetz* - *Potash and Phosphate Institute*
- T.S.Murrell - *Potash and Phosphate Institute*
- Q.B.Rund - *PAQ Interactive*

Abstract:

Successful implementation of site-specific, precision farming systems depends upon the linking and integration of a wide assortment of information and technology components. A data management system capable of handling different types of data from a variety of sources is critical. The producer and his advisers need a clear understanding of the characteristics and limitations of the databases they have available. Numerous data manipulation and management tools are available, but also require careful considerations of their limitations as well as their power. The relative ability of the producer and his advisers to collect and manage these information sources and to fully utilize the data management and decision aid tools will determine the potential benefits from adopting the technology. Above all, they must be able and willing to make changes in the operation as a result of the analysis. Example use of GIS tools and system dynamics models to help with this process will be discussed and demonstrated.

Corresponding Author Information:

Harold Reetz	phone: 217-762-2074
Potash and Phosphate Institute	fax: 217-762-8655
111 E Washington St	e-mail: hreetz@ppi-far.org
Monticello, IL 61856	

Presentation Information:

Presentation Date: Wednesday, November 13, 2002
Presentation Time: 9:00 am

Keywords:

site-specific systems, GIS, system dynamics