Title: Precision agriculture (technology, strategy, impact)

Goal 1. Become familiar with precision agriculture technology including major instrumentation components as well as spatial data processing and applications.

Goal 2. Identify costs and potential benefits associated with precision agricultural applications.

Goal 3. Understand the environmental impact of precision agricultural practices as compared to conventional management.

Outline

9:00-9:20	Overview of precision agriculture technology (Dr. Viacheslav Adamchuk)
9:20-10:30	Implementation of site-specific crop management in a modern farm production (Dr. Achim Dobermann)
10:30-10:45	Break
10:45-11:30	Major mapping instrumentation and techniques (Paul Jasa and Dr. Viacheslav Adamchuk)
11:30-12:00	Yield monitor display demonstration and handheld GPS receivers outdoor exercise (weather permitting) (Paul Jasa and Dr. Viacheslav Adamchuk)
12:00 - 12:45	Lunch
12:45 - 1:15	Common sense in spatial data analysis strategy (Paul Jasa)
1:15 - 1:45	Potential economic value of spatial information while adopting site-specific crop management (Dr. Viacheslav Adamchuk)
1:45 - 2:30	Potential environmental impacts of precision agriculture (Dr. Wayne Woldt or Roger Eigenberg)
2:30 - 2:45	Wrap up