

Practitioner AtoZ Presentations (15 Continuing Education Units)

Monday: July 24, 2006

Weed Management (10:00 – 12:00) Pam Rice Session Chair

- Clay – Remote Sensing for Weed Identification
- Wiles – Tools for “Mindful” Management Zones
- Mayfield – Automated Weed Spot Spraying with Active Light Plant Detection Sensors
- Krueger – Map, Manage and Mine Scouting Data with FieldRecon Software

Auto-Steer and Guidance (10:00 – 12:00) Michael Cox Session Chair

- Lowenberg-DeBoer – Adoption and Profitability of AutoSteer
- Pointon – Precise GPS Positioning - Recent Developments, Future Possibilities
- Daws – Advantages of Controlled Trafficking
- Paynter – The Advantages of Multiple Frequency for Precision Guidance

Management Zones/GIS Systems (1:00 – 3:00) Greg Richards Session Chair

- Franzen – Multi-Layer Nitrogen Management Zone Delineation
- Wesch – Soils Information System: Current Approaches, Future Challenges
- Waits – SST Software: Current Approaches, Future Challenges
- Swain – Solutions using ISOBUS Machine Management

Tuesday: July 25, 2006

Management Zones (8:00 – 9:30) Ann Lewandowski Session Chair

- Khosla – Productivity Level Management Zones: Nutrient Management and Profitability
- Clay – Weed Management Zone Delineation Methods
- Grove – Using Nutrient Management Zones to Improve Water Quality

Remote Sensing (8:00 – 9:30) Gobena Huluka Session Chair

- Bausch – In-Season Nitrogen Management of Sprinkler Irrigated Corn in Commercial Fields Using Ground Based Remote Sensing
- Holland – Real-Time Plant Canopy Sensors: Past, Present and Future
- Trtilek – FluorPens and PlantPens – New instruments using optical indices

Management Zones (10:00 – 11:00) Joe Tevis Session Chair

- Heiniger – N Management Strategies for Corn
- Reese – Nutrient Management Zone Delineation Methods

On-Farm Research (10:00 -11:00) Patrick Reeg Session Chair

- Carlson – On-Farm Research Methods
- Hernandez – Using Statistical Software R for On-Farm Research

Sensors (1:30 – 2:30) Martin DuSaire Session Chair

- Groom – Electrical Resistivity Imaging with Capacitively-Coupled OhmMapper
- Lund – Soil EC Mapping: Present Approaches, Future Possibilities

Value Added Information (1:30 – 2:30) Jose Hernandez Session Chair

- Lepoutre/Layrol – Remote Sensing for Management Zone Delineation: Real Case Studies and Potential New Applications for Industry
- Rosenthal – On-Combine Protein Analysis: A Success Story

Remote Sensing (3:00 – 4:30) Kelly Thorp Session Chair

- Yang – Multispectral and Hyperspectral Remote Sensing for Precision Ag
- Mayfield – Applicator Mounted Crop Canopy Sensors for On-the-Go Variable Rate Application
- Keiser – Remote Sensing for Management Zone Delineation