

Improving Soil - Enhancing Profit

February 9-10, 2006

Ramkota Hotel, Bismarck, ND

<http://www.mandakzerotill.org>

February 9

8:00 Registration

9:30 a.m. **History of Tillage**

Dr. Jon D Hanson, Director, USDA-ARS Northern Great Plains Research Laboratory, Mandan, ND

10:30 a.m. Concurrent Sessions

No-Till Transitions Lamborn Room

ABC of Soil Health

Susan Samson-Liebig, Soil Quality Specialist

USDA Natural Resources Conservation Service, North Dakota

Micronutrient Management in the Early Years of No-Till

Dr. Ramona Mohr, Systems Agronomist

Brandon Research Centre, Agriculture and Agri-Food Canada

Root Enhancement and Soil Amendments

Klint Hartsoch Tj Quickroots Ray, ND

12:00 p.m. Lunch

1:00 p.m. **What is Soil Compaction?** Dr. Ying Chen, Associate Professor Agricultural Engineering Department of Biosystems Engineering, University of Manitoba

1:30 p.m. **Deep tillage: Needed or Not?** Dr. Joseph Pikul Soil Scientist, USDA-ARS Northern Grain Insects Research Laboratory, Brookings SD

2:00 pm Concurrent Sessions Lamborn Room

“What we wish someone would have told us on Managing Dry Soils before we started no-till”

Cal Hoff, Richardton, North Dakota

Larry Signalness, Watford City, North Dakota

2:45 p.m. Coffee Break

3:15 p.m. Concurrent Sessions

Livestock Income Opportunities Lamborn Room

Integrating Livestock into the Farm Enterprise

Gabe Brown, North Dakota Private Grazing Lands Coalition

Rotational Grazing for Increased Profit

Gene Goven, North Dakota Private Grazing Lands Coalition

Crop Rotation Benefits of Annual forages

Dr. Patrick Carr, Agronomist, NDSU Dickinson Research Extension Center

Utilizing Energy Co-Products for Animal Feeds

Dr. Vern Anderson, Animal Scientist, NDSU Carrington Research Extension Center

5:15 p.m. **Manitoba-North Dakota Zero Tillage Farmer’s Association Annual Meeting**

5:30 p.m. **“Walking-n-Talking” Beer-n-Bull Stand-up Dinner – Grilled Burger Buffet in Exhibit Area**

Complimentary beer and soda, cash bar

7:00 & 8:00 **Famous “Farmer-to-Farmer” Rap Sessions**

7:00 No-Till Equipment - Fertility & Soils - Ag Chemicals

8:00 Livestock – Fertility & Soils – Ag Chemicals

February 10

8:15 a.m. **Soil Tillage Intensity Rating (STIR) System**

Alan Ness, NRCS Agronomist, North Dakota State Office

9:00 a.m. Concurrent Sessions Lamborn Room

“What we wish someone would have told us on No-Till Fertilizer Placement”

Phil Amann, Dickinson, ND

Leigh Smith, Oak Lake, MB

Trevor Cowieson, Souris, MB

“What we wish someone would have told us about Seed Placement/Solid Seeding of Row and Large Seeded Crops”

John Schmidt, Hazelton, ND

Wade Bruns, Oriska, ND

10:30 a.m. Coffee Break

11:00 a.m.

Livestock Income Opportunities Missouri Ballroom (Downstairs)

Swath Grazing of Annual Forages to Reduce Costs

Trevor Atchison, Pipestone, Manitoba

Managing Manure to Reduce Costs in a Zero Tillage System

Ron Wiederholt, Nutrient Management Specialist NDSU Extension Service

Feeding Beef in Northern Climates & Cow Utilization of Crop Residues

Dr. Karl Hoppe, Livestock Specialist, NDSU Carrington Research Extension Center

Advanced No-Till Technology Pacific/Patterson

Building & Enhancing Soil Biology

Dr. TheCan Caesar-Tonthat, Research Microbiologist

USDA-ARS Northern Plains Ag Research Laboratory, Sidney, Montana

Making Soil Biology Work For You

Dr. Kris Nichols, Soil Microbiologist

USDA-ARS Northern Great Plains Research Laboratory, Mandan, ND

Advanced Soil Health Strategies

Dr. Mark Liebig, Soil Scientist

Pacific/ Patterson

“What we wish someone would have told us on Managing Wet Soils before we started no-till”

Dennis Haugen Hannaford, North Dakota

Joe Breker, Havana, North Dakota

Advanced No-Till Technology Pacific/Patterson

The Future of Seed Inoculants

Garry Hnatawich, Philom Bios Corporation

Soil Amendments & Post-Applied Fertilizer Strategies

Dr. David Franzen, NDSU Extension Soil Specialist

Plant Physiology for Farmers – Plant Growth Regulators

Dr. Edward Deckard, Professor, Department of Plant Sciences, NDSU

Pacific/Patterson

Strip Tillage and Precision Farming

Paul Jasa, Ag Engineer, University of Nebraska

“What we wish someone would have told us on Strip Till before we started no-till”

Ron Simonson - Roslyn, South Dakota

Jerry Blotter – Coleharbor, North Dakota

Geospatial Technology and No Till

John Nowatzki Geospatial Technology Specialist, NDSU Extension Service

Lucas Hoff, Richardton, ND

Bryon Brynjulson, Hurdsfield, ND

Alternative Energy Opportunities Lamborn

Developing an Ethanol Production Plant

Frank Kirschenheiter, Red Trail Energy Project Coordinator, Richardton, N.D.

Developing a Biodiesel Production Plant

Pat Downs, North Dakota Bio-Diesel Task Force

Developing Wind Power on Your Farm Jim Nichols, Private Wind Turbine Owner and Former Minnesota Ag Commissioner

12:30 p.m. No-Till Awards Luncheon – U.S Congressman Earl Pomeroy