

EXPERIENCES FROM TABER, ALBERTA, CANADA

FORUM - REDUCED/STRIP TILLAGE

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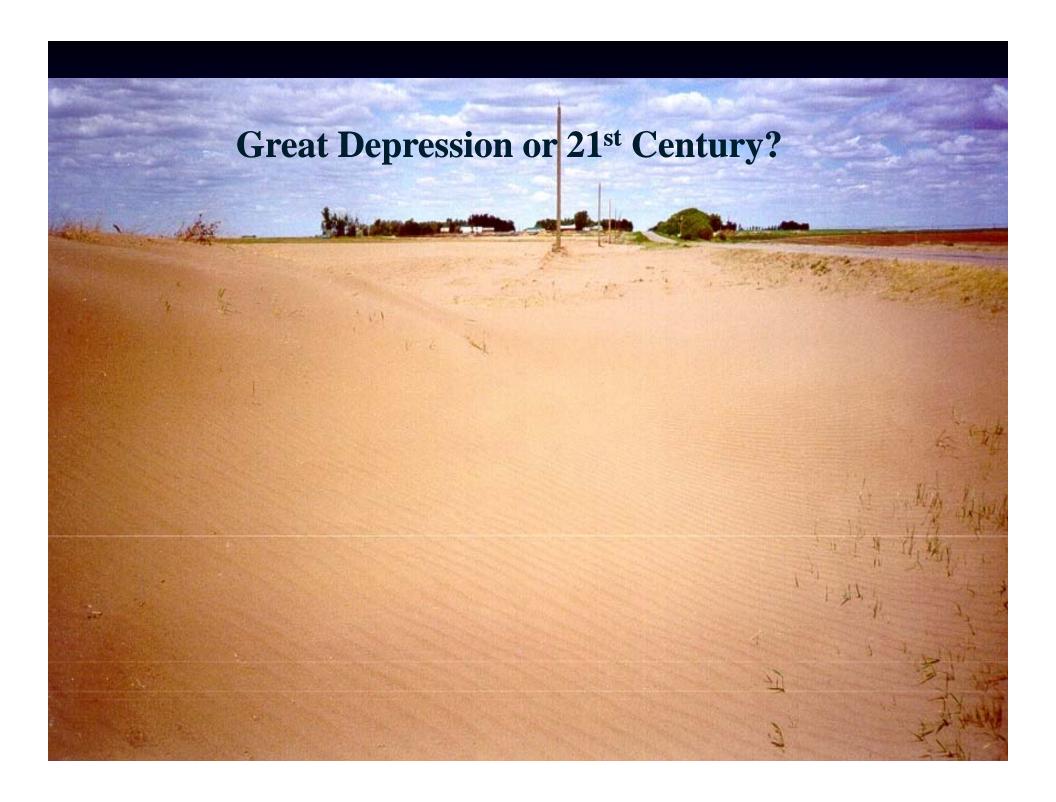
ASSBT Reduced/Strip Tillage Forum

Experiences from Alberta, Canada

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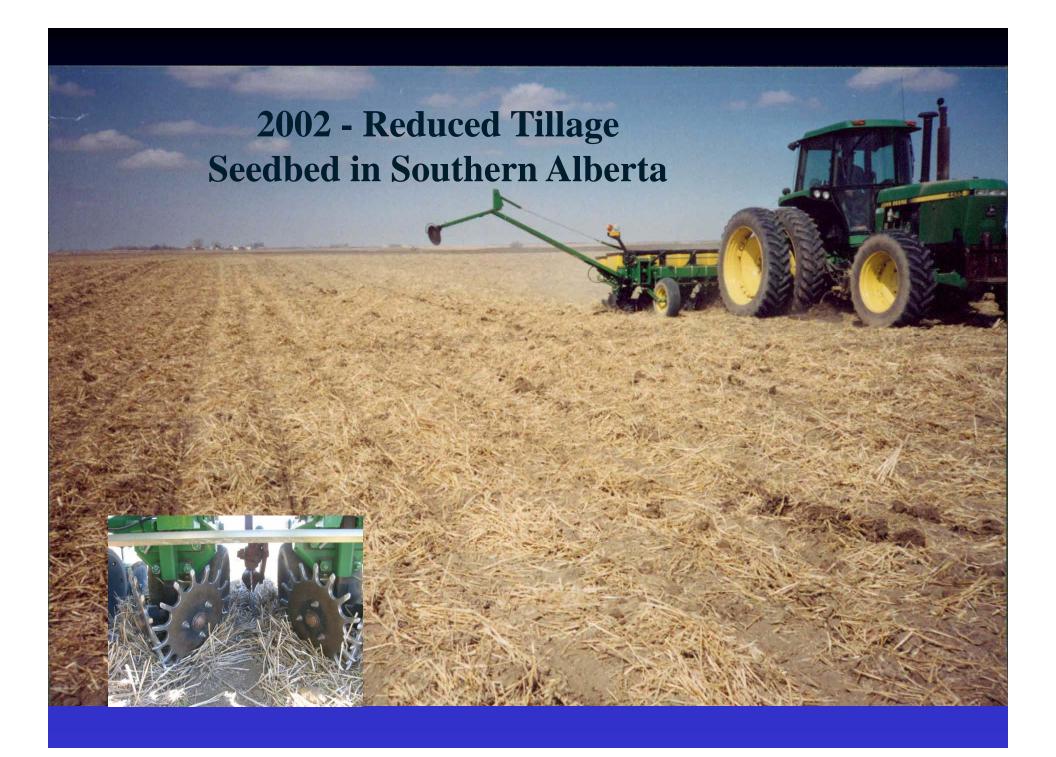
Southern Alberta Traditional Seedbed Preparation and Planting













2004 - In Row Speed of Emergence and Soil Temperature Comparison

Strip Tillage System

Conventional Tillage





In Row Straw Accumulation









Comparable Stand Establishment

Differences in Early Season Canopy Vigor Between Strip and Conventional Tillage



Large Scale Strip Trial (CACDI site – Lethbridge)

Evaluation of N Rates and Forms







Evaluation of P Rate and Placement



Strip Tillage in Alberta

Advantages

Disadvantages

Economic Benefits

- Reduce fuel and labor costs
- Reduce capital costs
- Maintain current farm income

Initial Investment

- Sub-inch RTK Guidance System
- Strip Tillage Implement
- Planter Row Cleaners

Environmental Benefits

- Eliminate Soil Erosion
- Soil Health
- Carbon Sequestration

Crop Residue Management

- Ability to handle large volumes
- Uneven distribution creates many problems

Agronomic Benefits

- Complements RR production system
- High PUE of nutrients

No Large Scale Commercial Production

• Only 1 grower in Alberta

