

**NEBRASKA STRIP TILL
FORUM – REDUCED/STRIP TILLAGE**

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Nebraska Strip Till

- Panhandle Nebraska & SE Wyoming
- 16-18" Normal Rainfall,
- Mostly Medium – Light Soils, Some Heavy
- Corn, Dry Bean, Wheat Rotations
- Some Alfalfa, Potatoes & Sunflowers

Background

- Extremely Windy
- 30" Row, Few-22"
- Area on Restricted Water
- Fairly High pressure from Rhizoctonia & Aphanomyces
- Great Majority Sprayed w/ Quadris

Strip Till

- 50% Nebraska Region
- 75% Southern Box Butte District
- 99% Pivots

Normal Operations

- In the Past Some Subsoil Once within Rotation
- Disk & Stock Chop
- Dry Apply Fertilizer
- Minimum Till: Land All, Sometimes 2x
- Plant: Phos Applied 10-34-0
- 2x2 w/ Planter

Strip Till

- Equipment: Schlagel, Orthman One Tripper, DMI, Strip Cat
- No Deeper than 10-11”
- Eliminate Disking
- Stock Chop
- Strip Till (Apply Fertilizer),
- Eliminating Fertilizer Application

Strip Till (Continued)

- Following Wheat: Eliminate Stock Chopper
- Following Corn you could eliminate Stock Chopper: w/out Cultivation
- Most will Cultivate for Harvest Purposes.
- Eliminate Rotary Hoe. (4-9 Passes)

Rhizoctonia

- Apply Quadris : Eliminate Dirt to the Row
- So far so good.
- Residue
- Compaction

Fertilizer

- Fertilizer Applications:
 - Reduced Applied Amounts
- So Far so Good
- Phos Residuals ?

Challenges/Problems

- Close the Furrow. Heavy Rains, Wet Soils
- Narrow Shank
- Do Not Subsoil before Strip Till :
- Prefer Firm Ground
- After Corn, Wheat & Beans Spread Straw
- Sprayers Tracking: GPS Helps
- Need for 1 Cultivation

Challenges / Problems

- Pull Type Planters vs. 3 Point Hitch Mount
- Subsoil not adjacent to Strip Till
- Wheat stubble goes away Fast
- Mostly Spring Applications, Some Fall.
- Irrigation
- Cover Crops
- On Flat Gravity: May need to ditch.

Benefits

- Less Trips: Save Time & Fuel
- Reduce Fertilizer Applications
- Better Fertilizer Placement: N & P
- Save Moisture
- Wind Protection
- Water Penetration at the row not the center: Eliminate Inter-Row Ripping

Questions