No-Till Farming in Stanly County

1968-2014
No-Till Practices at
Big Bear Creek Farms, Inc.
Curtis R. Furr
No-Till Farming in Stanly County
No-Till Farming in Stanly County

Stanly County

North Carolina Soil & Water Conservation Districts

Yours for Life
No-Till Farming in Stanly County

30 Inch 12 Row Planter
No-Till Farming in Stanly County

15 Inch 24 Row Planter
No-Till Farming in Stanly County

2014 Projected Crop Acres

- 500 Acres  Wheat
- 400 Acres  Corn
- 600 Acres  Soybeans
- 500 Acres  Cotton
- 100 Acres  Cover Crop Seeds
No-Till Farming in Stanly County

15 Inch Corn
No-Till Farming in Stanly County

Corn
No-Till Farming in Stanly County

Soybeans
No-Till Farming in Stanly County

Cotton
No-Till Farming in Stanly County
No-Till Farming in Stanly County

Rye
No-Till Farming in Stanly County

Reasons to plant cover crops:

- Erosion control and water filtration
- Soil health
- Building nutrients
No-Till Farming in Stanly County

Effects of Erosion
No-Till Farming in Stanly County
No-Till Farming in Stanly County

Controlling Erosion and Water Filtration
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No-Till Farming in Stanly County

Building Nutrients and Soil Health
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No-Till Farming in Stanly County

Modern Poultry House
No-Till Farming in Stanly County

Poultry litter for improving soil health
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No-Till Farming in Stanly County

Current Cover Crop Planting Fall 2013

“5 way” Cover Crop Mix

- Rye
- Crimson Clover
- Australian Winter Peas
- Hairy Vetch
- Tillage Radish
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Rye

Crimson Clover
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Winter Peas

Hairy Vetch
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Radish
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New Holland 353 used to mix cover crop seeds
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No-Till Farming in Stanly County

Other Cereal Grains used in Substitute for Rye:

- Wheat
- Oats
- Barley
- Annual Rye Grass
- Triticale
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Cover Crop Planting Technique

6500 John Deere w/ Pendulum Spreader
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No-Till Farming in Stanly County

Spreader runs off motor run kit
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John Deere No-Till Drill
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Spreader/Phillips Tool
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No-Till Farming in Stanly County

Cover Crops germinating through cotton
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Radishes, Clover and Vetch
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Radishes
No-Till Farming in Stanly County

Aeration Effects of Radishes
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Equipment Utilized to Prepare for Planting

- 4630 JD with Saddle Tanks
- 30’ Culti-Packer to flatten cover crop
- Rye stays down very well after rolling
- Roll CC in direction of rows to be planted
- Spray bar mounted on Culti-Packer
- Spray Tips 20” above ground level
- 20 gal./acre
No-Till Farming in Stanly County

Tractor with Saddle Tanks
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No-Till Farming in Stanly County

Spray bar
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Rolled and Burn Down
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Overcoming Planting Obstacles
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No-Till Farming in Stanly County

Planter setbacks
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Colter Cutting Crossways
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Planting into standing rye in 1980.
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No-Till Farming in Stanly County

Outside Temp 105 Degrees
No-Till Farming in Stanly County

No Cover Crop

105 Degrees
No-Till Farming in Stanly County

With Cover Crop

85 Degrees
No-Till Farming in Stanly County
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Cotton waiting for harvest
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Money Boll
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GPS
Soil Sampling
No-Till Farming in Stanly County