

# No-Till Farming in Stanly County

1968-2014

No-Till Practices

at

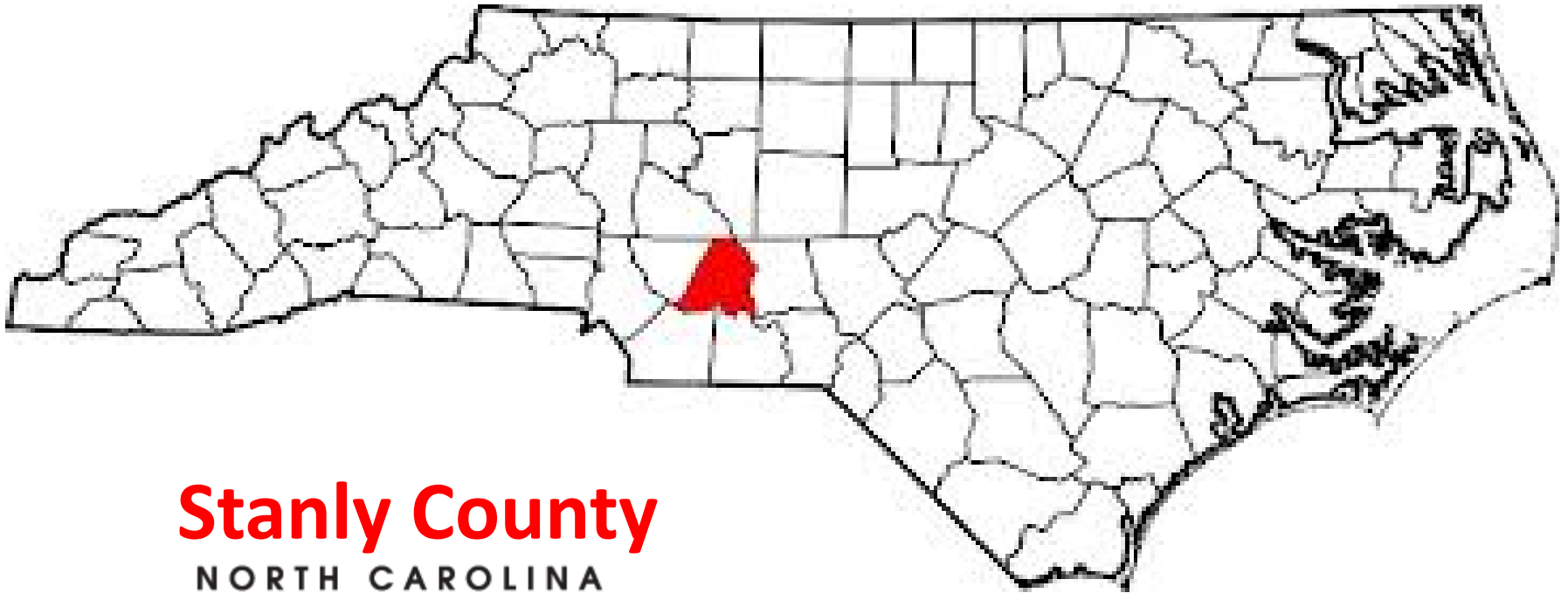
Big Bear Creek Farms, Inc.

Curtis R. Furr

# No-Till Farming in Stanly County



# No-Till Farming in Stanly County



**Stanly County**

NORTH CAROLINA

**SOIL & WATER**



*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

## Wheat





# No-Till Farming in Stanly County

## 15 Inch Corn





# No-Till Farming in Stanly County

## Corn



# No-Till Farming in Stanly County

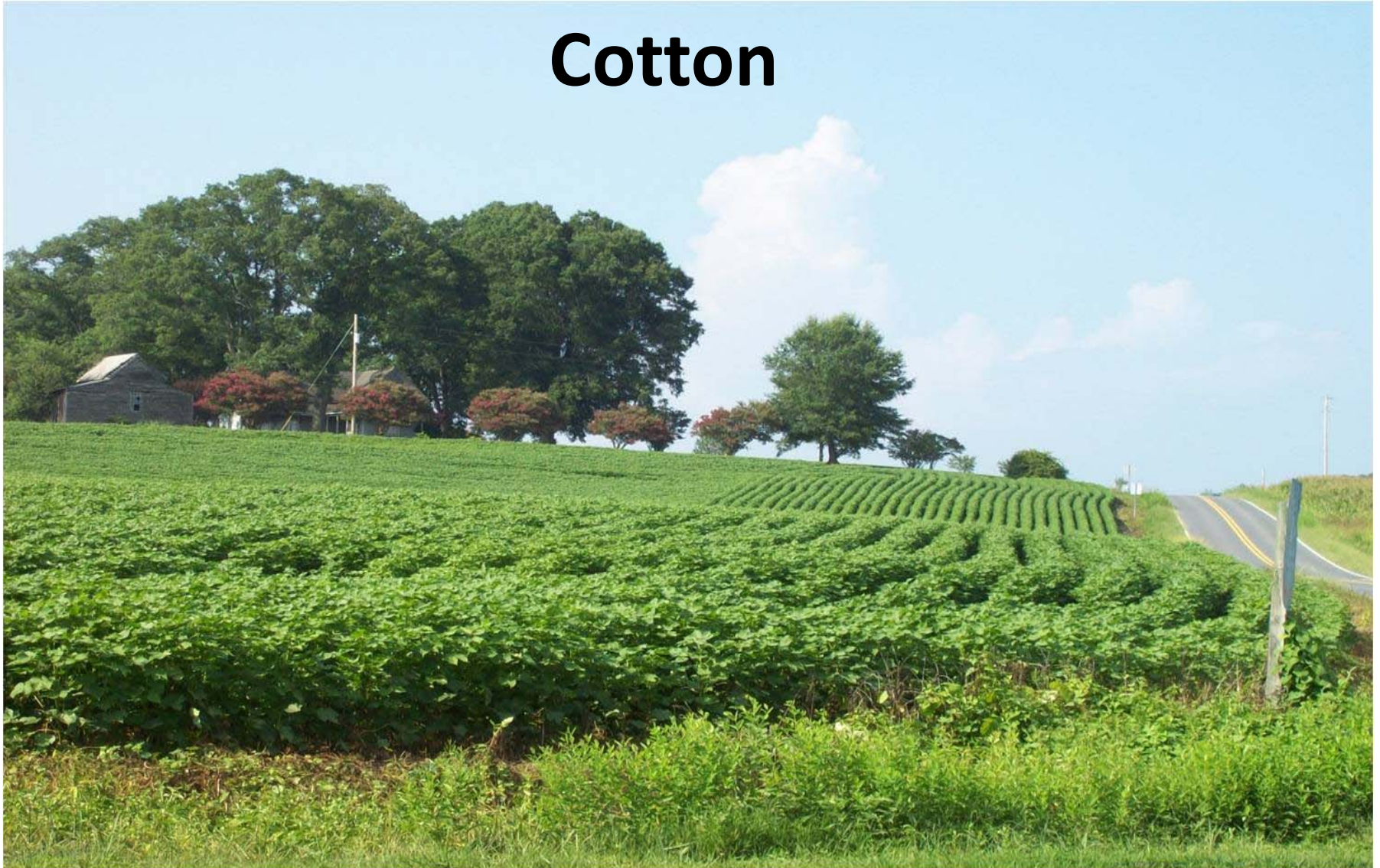
## Soybeans





# No-Till Farming in Stanly County

## Cotton





# No-Till Farming in Stanly County

## Crimson Clover





# No-Till Farming in Stanly County





# No-Till Farming in Stanly County



# 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**





# No-Till Farming in Stanly County





# No-Till Farming in Stanly County

Building Nutrients and Soil Health





# No-Till Farming in Stanly County



# No-Till Farming in Stanly County



Modern Poultry House



# No-Till Farming in Stanly County



Poultry litter for improving soil health

# No-Till Farming in Stanly County





# No-Till Farming in Stanly County

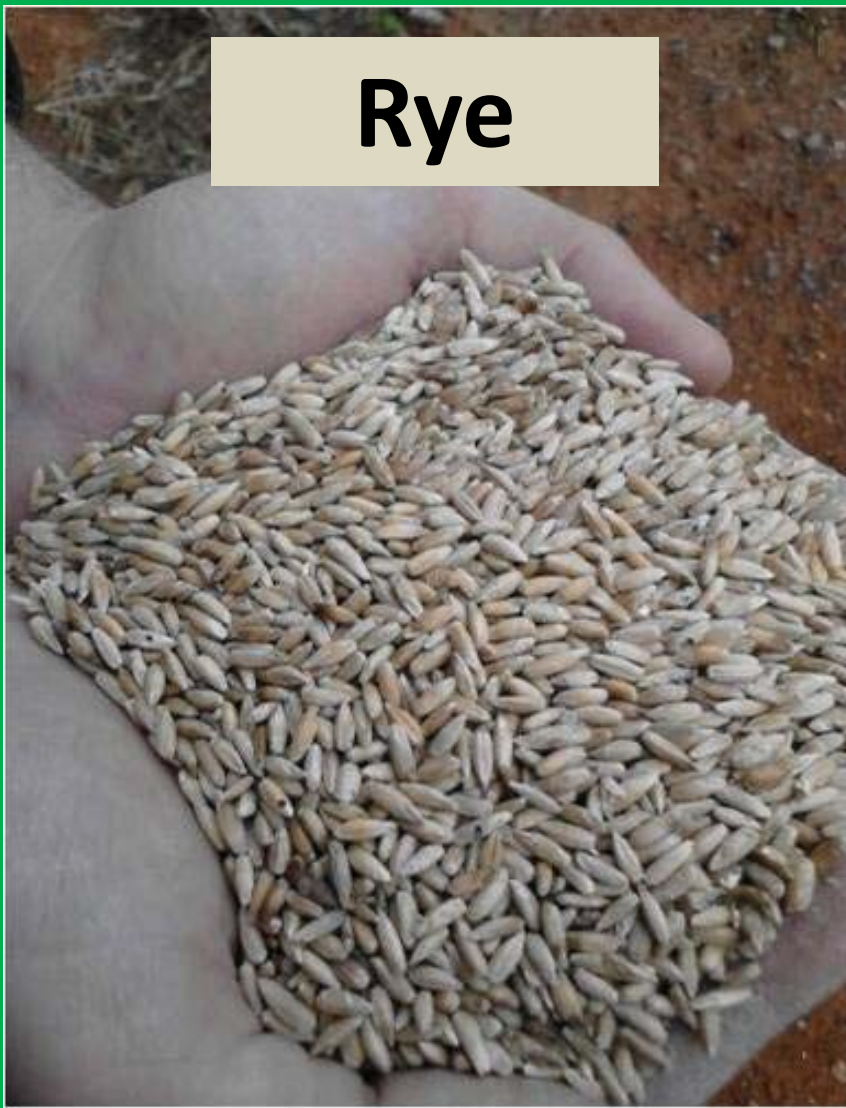
## Current Cover Crop Planting Fall 2013

### “5 way” Cover Crop Mix

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

# No-Till Farming in Stanly County

**Rye**



**Crimson Clover**





# No-Till Farming in Stanly County

**Winter  
Peas**



**Hairy  
Vetch**



# No-Till Farming in Stanly County

**Radish**





# No-Till Farming in Stanly County

New Holland 353 used to  
mix cover crop seeds



# No-Till Farming in Stanly County





# No-Till Farming in Stanly County

## **Other Cereal Grains used in Substitute for Rye:**

- Wheat
- Oats
- Barley
- Annual Rye Grass
- Triticale

# No-Till Farming in Stanly County

## Cover Crop Planting Technique

6500 John Deere  
w/ Pendulum  
Spreader





# No-Till Farming in Stanly County



# No-Till Farming in Stanly County

Spreader runs off motor run kit





# No-Till Farming in Stanly County



# No-Till Farming in Stanly County





# No-Till Farming in Stanly County



# No-Till Farming in Stanly County





# No-Till Farming in Stanly County





# No-Till Farming in Stanly County





# No-Till Farming in Stanly County





# No-Till Farming in Stanly County





# No-Till Farming in Stanly County

## John Deere No-Till Drill





# No-Till Farming in Stanly County





# No-Till Farming in Stanly County



# No-Till Farming in Stanly County

## Spreader/Phillips Tool





# No-Till Farming in Stanly County





# No-Till Farming in Stanly County

Cover Crops germinating through cotton





# No-Till Farming in Stanly County

Radishes, Clover and Vetch





# No-Till Farming in Stanly County





# No-Till Farming in Stanly County





# No-Till Farming in Stanly County

Radishes





# No-Till Farming in Stanly County

## Aeration Effects of Radishes



# No-Till Farming in Stanly County

## 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



# No-Till Farming in Stanly County





# No-Till Farming in Stanly County

**Spray bar**





# No-Till Farming in Stanly County

Rolled and Burn Down





# No-Till Farming in Stanly County

## Overcoming Planting Obstacles





# No-Till Farming in Stanly County





# No-Till Farming in Stanly County



Planter setbacks



# No-Till Farming in Stanly County



**Unit Mounted Row Cleaner**



# No-Till Farming in Stanly County





# No-Till Farming in Stanly County

## Colter Cutting Crossways





# No-Till Farming in Stanly County





# No-Till Farming in Stanly County





# No-Till Farming in Stanly County





# No-Till Farming in Stanly County





# No-Till Farming in Stanly County



# No-Till Farming in Stanly County



Planting into  
standing rye  
in 1980.



# No-Till Farming in Stanly County





# No-Till Farming in Stanly County





# 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





# No-Till Farming in Stanly County





# No-Till Farming in Stanly County





# No-Till Farming in Stanly County





# No-Till Farming in Stanly County





# No-Till Farming in Stanly County





# No-Till Farming in Stanly County





# No-Till Farming in Stanly County

Cotton waiting for harvest





# No-Till Farming in Stanly County





# No-Till Farming in Stanly County





# No-Till Farming in Stanly County





# No-Till Farming in Stanly County

## Money Boll





# No-Till Farming in Stanly County





# No-Till Farming in Stanly County

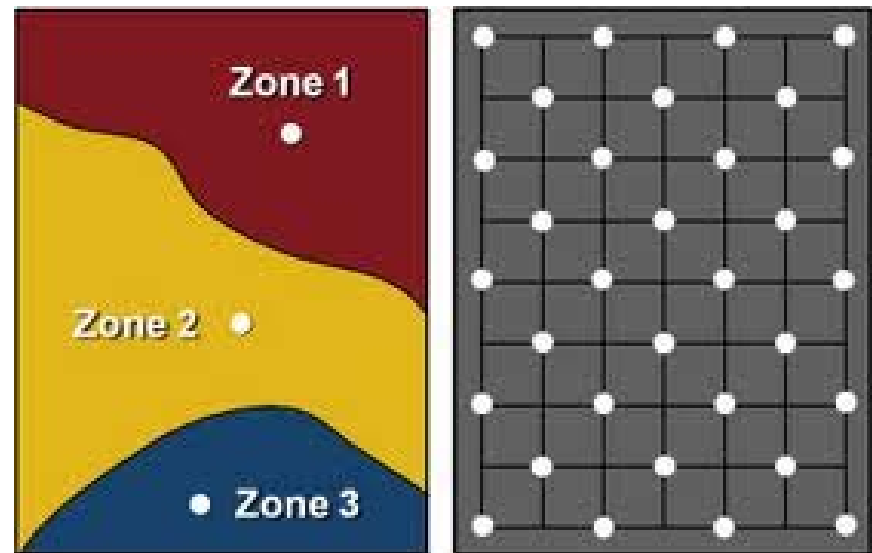




# No-Till Farming in Stanly County



## GPS Soil Sampling





# No-Till Farming in Stanly County

