Why discuss planting?

- “The way in which a planter places the seed in the ground is one of the most important factors to the yield that a single seed will produce”

- Planting is controllable by the grower
AGCO CROP TOUR 2016

The Value of an Ear

- $29 \times 18 \times 35 \times 0.01162 = 212.2$
- $30 \times 18 \times 35 \times 0.01162 = 219.6$
- 1 ear +/- per acre = 7 bushels
AGCO CROP TOUR 2016

Set Yield – Protect Yield
SUNFLOWER TILLAGE

- Fall tillage - Complete shatter of the soil profile.

SUNFLOWER TILLAGE
AGCO CROP TOUR 2016

WP9800 Features

- 16” Double Disc Openers

- New Flat Scrapers
  Superior Seed Disc Cleaning in Sticky Soils
WP9800 Features

- Opener Bearings
  26mm Double Row Ball Bearings

- Cast Hub
  Greatly increases Durability of the Bearing
AGCO CROP TOUR 2016

WP9800 Features

- Seed Depth Adjustment
  Place Seed @ .25 to 4.5 Inches Deep
  Adjustable in .25 Inch increments

- Seed Depth Indicator
  Seed Depth identified in inches
  Patented Calibration System
WP9800 Features

- Cast Closing Wheel Assembly
  - Angled Rubber Wheels
  - Cast Closing Wheels

- Pivot Bushings Shared with Parallel Arms
WP9800 Features

- Row Unit Mounted attachments
  Universal Mounting
  (Standard Bolt Pattern)
Easy is an Understatement. No chains, no maintenance, just row-by-row control.

Learn More
Randy experiences

1. What happens when a broken kernel gets stuck in a cell.
2. What happens when a gauge wheel looses ground contact.
3. What happens when you leave a soy bean kit in to plant corn.
4. What happens when a seed corn bag label gets stuck in the corn meter.
5. 20/20 tells you almost everything that is happening with your White planter.
How do I know that everything is performing how I expect it to?
Downforce observations
Depth observations
How many seeds are closer than 4 inches?

How many additional ears could have been obtained?

Lost Yield
Outside of curve- Row 24

- 21 Ears
30 ears
67 ears
Singulation

- Correct Singulation = 99.3%
- Poor singulation = 91.4%
  - Loss of 8.7 bu/acre
- As close to 100% singulation as possible is key
- What singulation percentage do you get out of the meters on your current planter?

<table>
<thead>
<tr>
<th></th>
<th>Control</th>
<th>Poor Sing</th>
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<tbody>
<tr>
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<td></td>
<td>205.00</td>
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</table>
### Depth

- **1 inch**
  - 43 bu/acre loss
- **1.5 inch**
  - 2.9 bu/acre loss
- **2 inch**
- **2.5 inch**
  - 0.1 bu/acre loss
- **3 inch**
  - 3 bu/acre loss
- **3.5 inch**
  - 52.3 bu/acre loss

<table>
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<tr>
<th>Depth</th>
<th>1 inch</th>
<th>1.5 inch</th>
<th>2 inch</th>
<th>2.5 inch</th>
<th>3 inch</th>
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<tr>
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<td>200.117</td>
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<td>180.650</td>
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<td>208.973</td>
<td>164.829</td>
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Depth

- Select a planting depth that gets every seed into consistent moisture even in the moisture line is not consistent.
- Operate tillage in a manner that allows the moisture line across the entire field to be as consistent as possible.
Run a White planter with calibrated depth adjustment mechanism
Ensure that you have a downforce system that can maintain depth across varying soil densities, soil types, and tillage practices.

DeltaForce automatically adjusts to changing soil environments.
So what did we learn?

- The White 9800VE series planters provides almost 100% singulation
- The White 9800VE series planters provides superior depth control while eliminating compaction
- The White 9800VE series planters provides the ability to calibrate depth by row, and adjust downforce by row to maintain depth

### AGCO White 9800VE Planters Performance Summary

<table>
<thead>
<tr>
<th>Model</th>
<th>Location</th>
<th>Acres Planted</th>
<th>Avg Speed</th>
<th>Acres/Hour</th>
<th>Singulation</th>
<th>Good Spacing</th>
<th>Loss of GC</th>
<th>Good DF</th>
<th>Excess DF</th>
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<td>9816VE</td>
<td>Hutchinson, KS</td>
<td>929.8</td>
<td>4.7</td>
<td>14.4</td>
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