



From Kernel to Kobb

WHITE
P L A N T E R S

 Precision Planting

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



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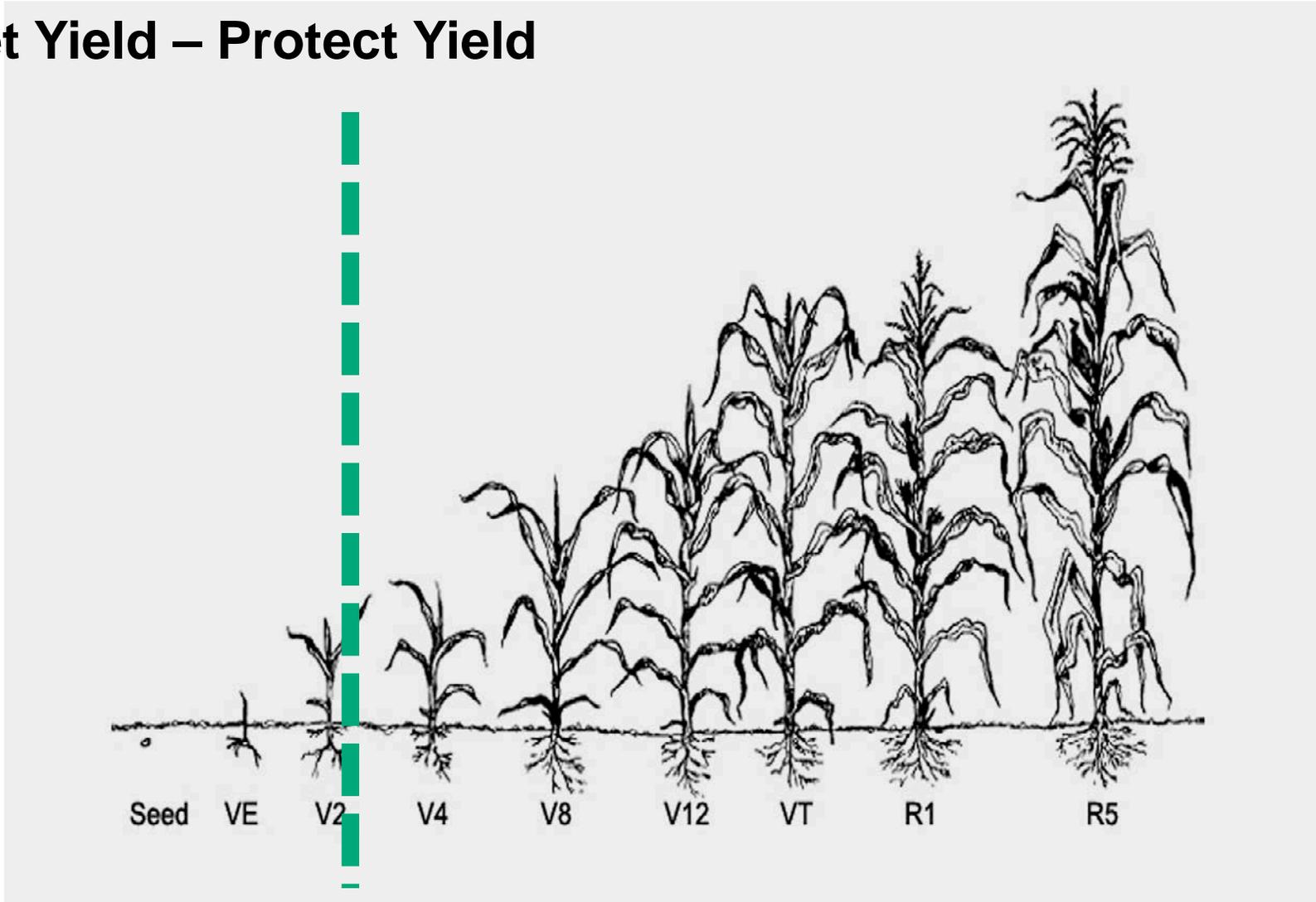


The Value of an Ear

- $29 \times 18 \times 35 \times .01162 = 212.2$
- $30 \times 18 \times 35 \times .01162 = 219.6$
- 1 ear +/- per acre = 7 bushels



Set Yield – Protect Yield

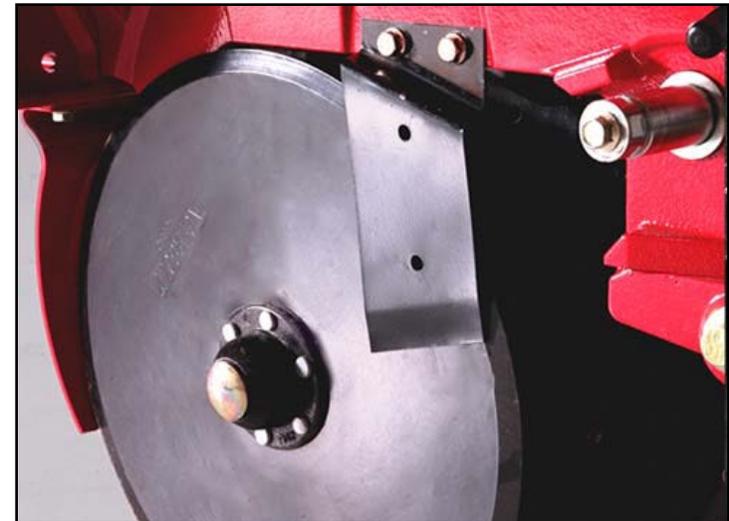


SUNFLOWER TILLAGE



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



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

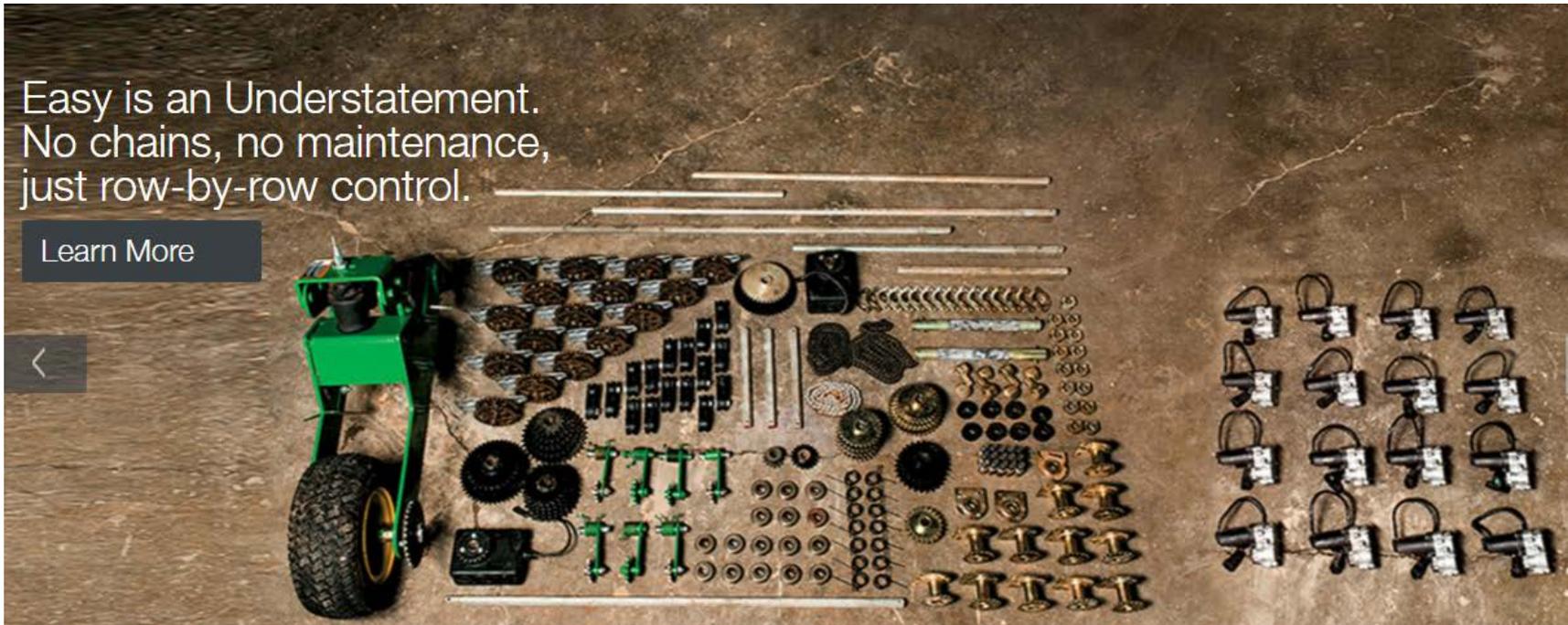


WP9800 Features

- Row Unit Mounted attachments
Universal Mounting
(Standard Bolt Pattern)



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Randy experiences

- 1. What happens when a broken kernel gets stuck in a cell.
- 2. What happens when a gauge wheel loses 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.

Scouting Field

REMOVE



CRE
LAT
LON

Pin Color

Green

Bag tape in meter

EMAIL



Navigation and map controls:

- Location icon
- Navigation arrow
- Zoom out (-)
- Zoom in (+)
- Map view (2D)
- Map view (3D)
- Share icon
- Home icon

Quality selection menu:

- Skip (Red)
- Multiple (Blue)
- Good (Green)
- N/A (Grey)



Downforce observations



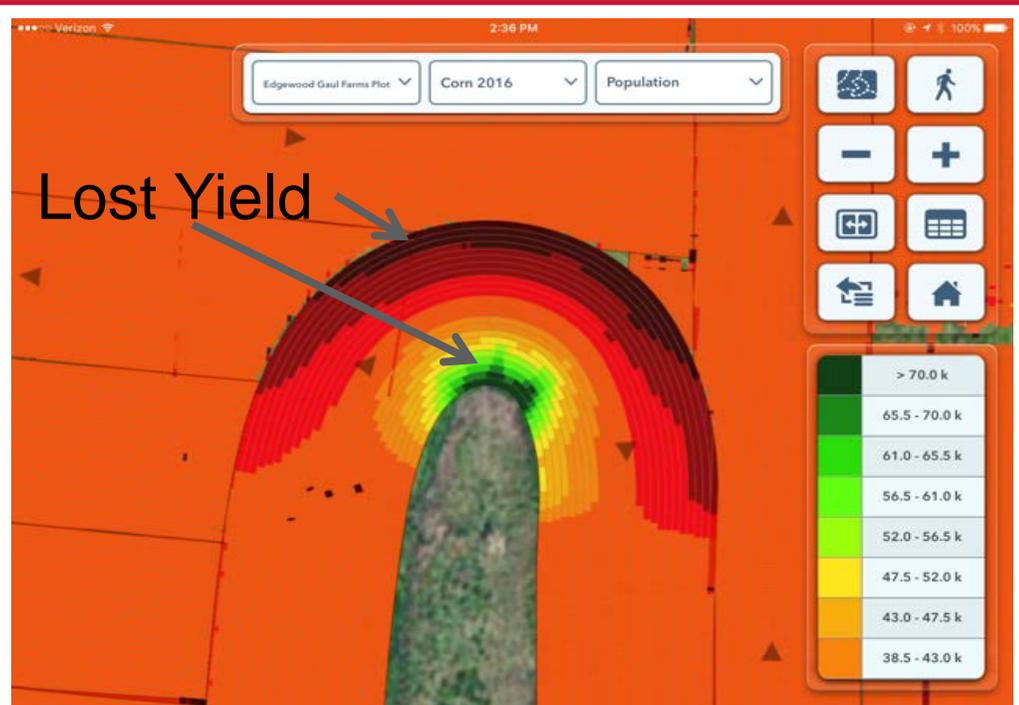
Depth observations



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How many seeds are closer than 4 inches?

How many additional ears could have been obtained?



Edgewood, IA Curve Adjust Study



Outside of curve- Row 24

- 21 Ears



Center of curve- row 12

- 30 ears



Inside of Curve- Row 1

- 67 ears



Edgewood, IA Curve Adjust Study



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?

Control	205.001	205.001	205.001	205.001	205.001	205.001	205.00
Poor Sing	203.970	205.727	201.038	199.839	159.714	207.350	196.27

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

1 inch	201.857	200.117	195.812	203.152	171.263	0.000	162.03
1.5 inch	199.375	196.225	200.139	210.697	206.758	199.423	202.10
2 inch	205.001	205.001	205.001	205.001	205.001	205.001	205.00
2.5 inch	199.044	180.650	219.703	213.622	215.426	201.055	204.92
3 inch	198.961	199.237	209.921	207.773	193.872	202.489	202.04
3.5 inch	196.728	191.980	208.973	164.829	153.926	0.000	152.74

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



Depth

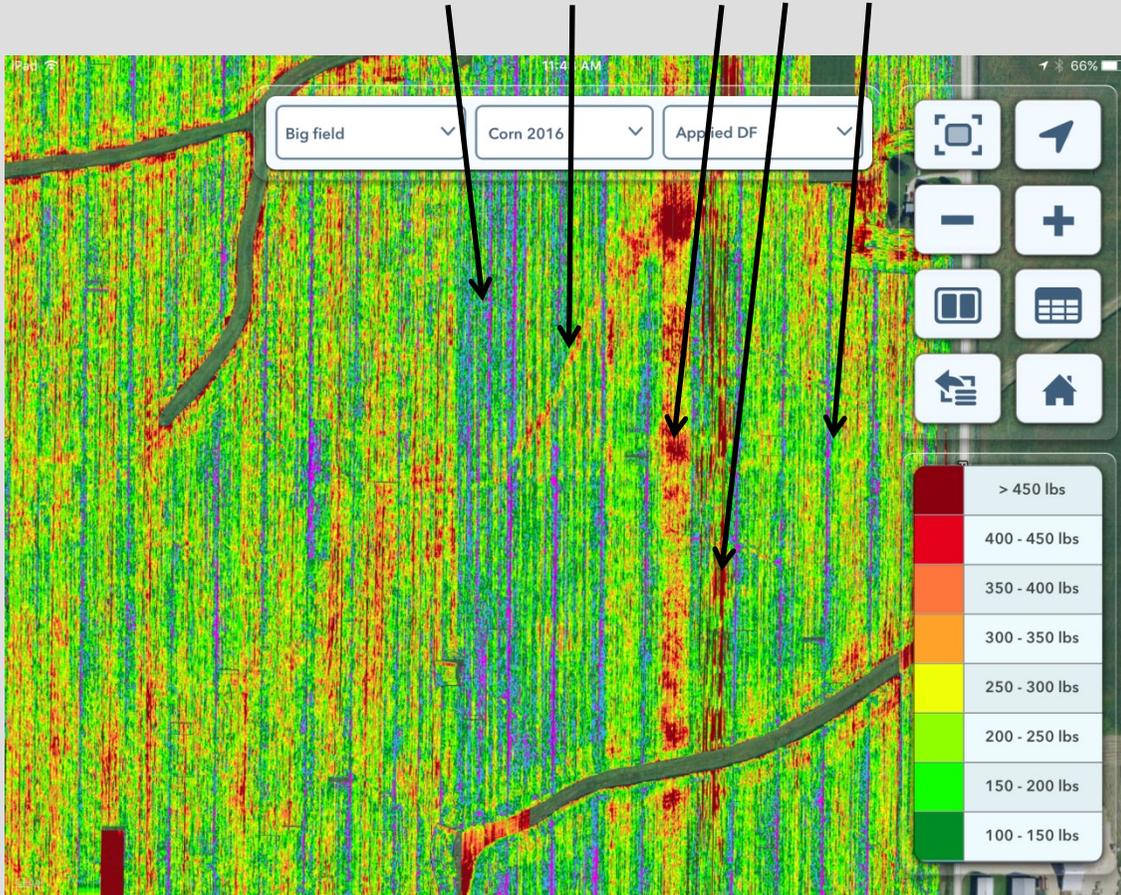
- Run a White planter with calibrated depth adjustment mechanism



Depth

- 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									
Model	Location	Acres Planted	Avg Speed	Acres/Hour	Singulation	Good Spacing	Loss of GC	Good DF	Excess DF
9816VE	Hutchinson, KS	929.8	4.7	14.4	99.2%	99.7%	3.1%	96.9%	0.0%
9816VE	Amboy, IN	912.5	4.9	18.2	99.8%	99.4%	0.9%	98.4%	0.7%
9824VE	Edgewood, IA	1,002.70	4.6	24.8	99.5%	97.7%	3.0%	95.1%	1.9%
9824VE	New Ulm, MN	796.4	4.7	25.7	99.7%	99.2%	0.8%	98.6%	0.6%
9824VE	Estelline, SD	893.9	4.7	26.1	99.6%	99.6%	1.9%	97.6%	0.5%
9812VE	Jackson, MN	168.9	4.7	12	99.8%	99.6%	1.8%	97.6%	0.5%
9824VE	Galva, IL	1,605.8	4.1	9.1	99.6%	98.8%	3.4%	96.6%	0.0%
	Averages	901.4	4.6	18.6	99.6%	99.1%	2.1%	97.3%	0.6%
	Totals	6,310.0							

