

# Ascend Data and Pics

Spring Wheat and Corn  
2013 Field Trials  
Aaron Franklund  
MAA-Winfield

# Spring Wheat Trial Protocol

- Wheat was treated with Warden Cereals or Charter at full rates
- The use rate of Ascend was 4 oz treated on the seed
- Wheat varieties included Soren, Kelby, Select and Barlow
- Fertility plan followed the soil test

Treated only with Charter  
Notice it is just starting to head  
out

Check



Spring Wheat treated with Charter and  
Ascend 4 oz cwt. Headed out 3 days earlier  
than the untreated.

ASCEND



In Season Imagery using  
the R 7 tool.



Ascend



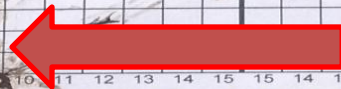
Un-Treated



Ascend Treated

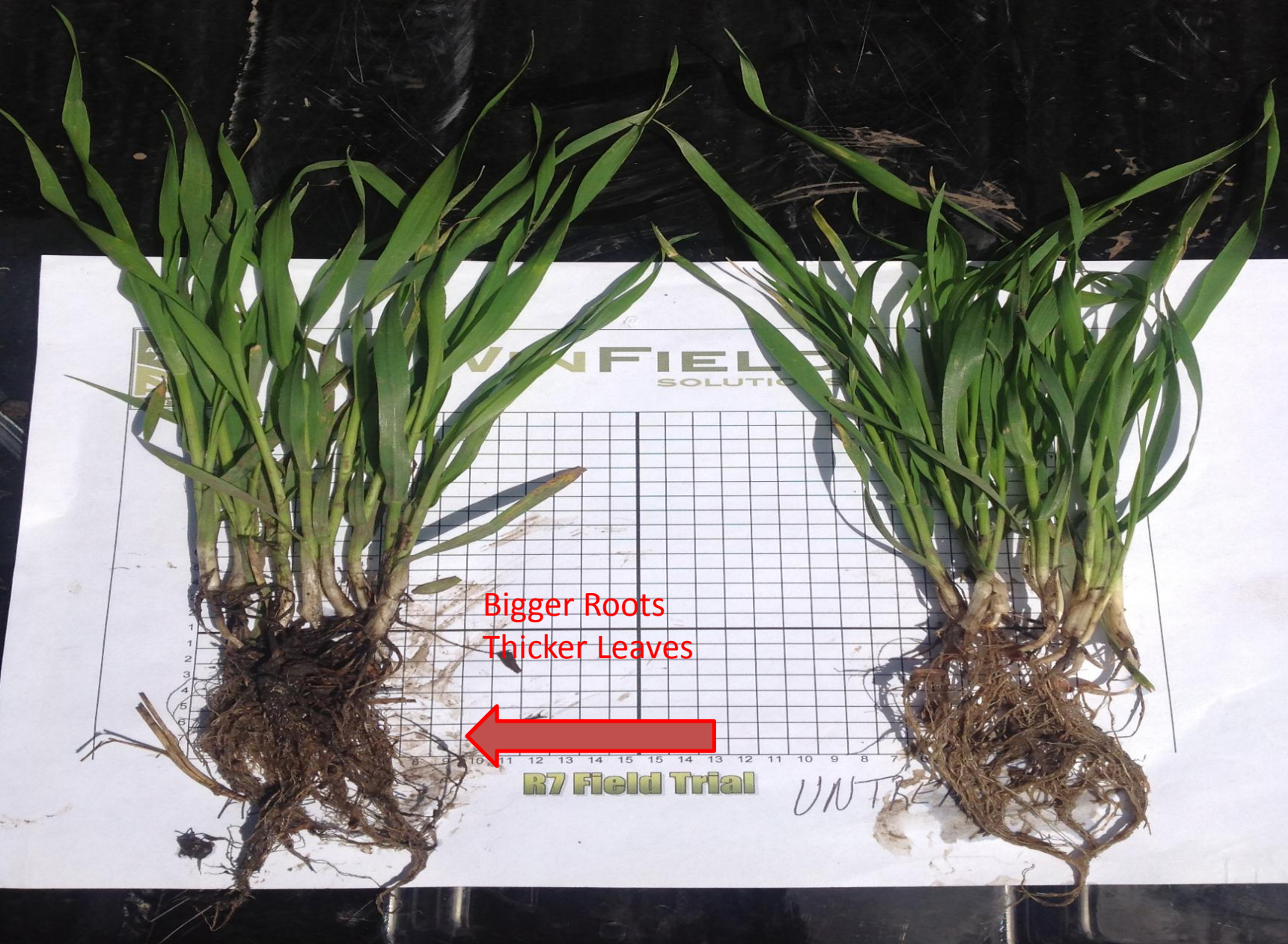
Un-Treated

Bigger Roots  
Thicker Leaves



R7 Field Trial

UNTREATED



# The Story Behind The Next Slide

Grower treated about 500 bushels with Warden Cereals and Ascend and never went back to the field until he harvested it. He ran out of the treated seed and finished the field with just Warden Cereals. Here is what he saw

ASCEND TREATED



UN-TREATED



# Things the Grower Noticed

- Treated

- More uniform stand
- Bigger heads more developed tillers
- Taller Plants
- Heavier Stand Establishment
- 6 bushels better

- Untreated

- Thinner Stand
- Green undeveloped tillers
- Increased moisture
- Broken over plants

Ascend Treated

Taller Plant  
Developed  
Secondary  
Plants

Un-Treated



# Spring Wheat Key Take Aways

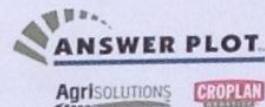
- Spring Wheat treated with Ascend emerged before the un-treated in cooler soils
- Bigger root system
- Uniform stand establishment
- Developed secondary plants; less sucker plants
- Headed out earlier resulting in earlier harvest
- Increased stress tolerance
- Taller Plants
- Overall average of a 4 bushel gain (Six trials)

# Ascend Treated Corn

- Trials consisted of 10-34-0 at 5 gpa
- Zinc 9% at 32 oz per acre
- Ascend at 5 oz per acre
- All in furrow with the seed



WINFIELD<sup>®</sup>  
SOLUTIONS

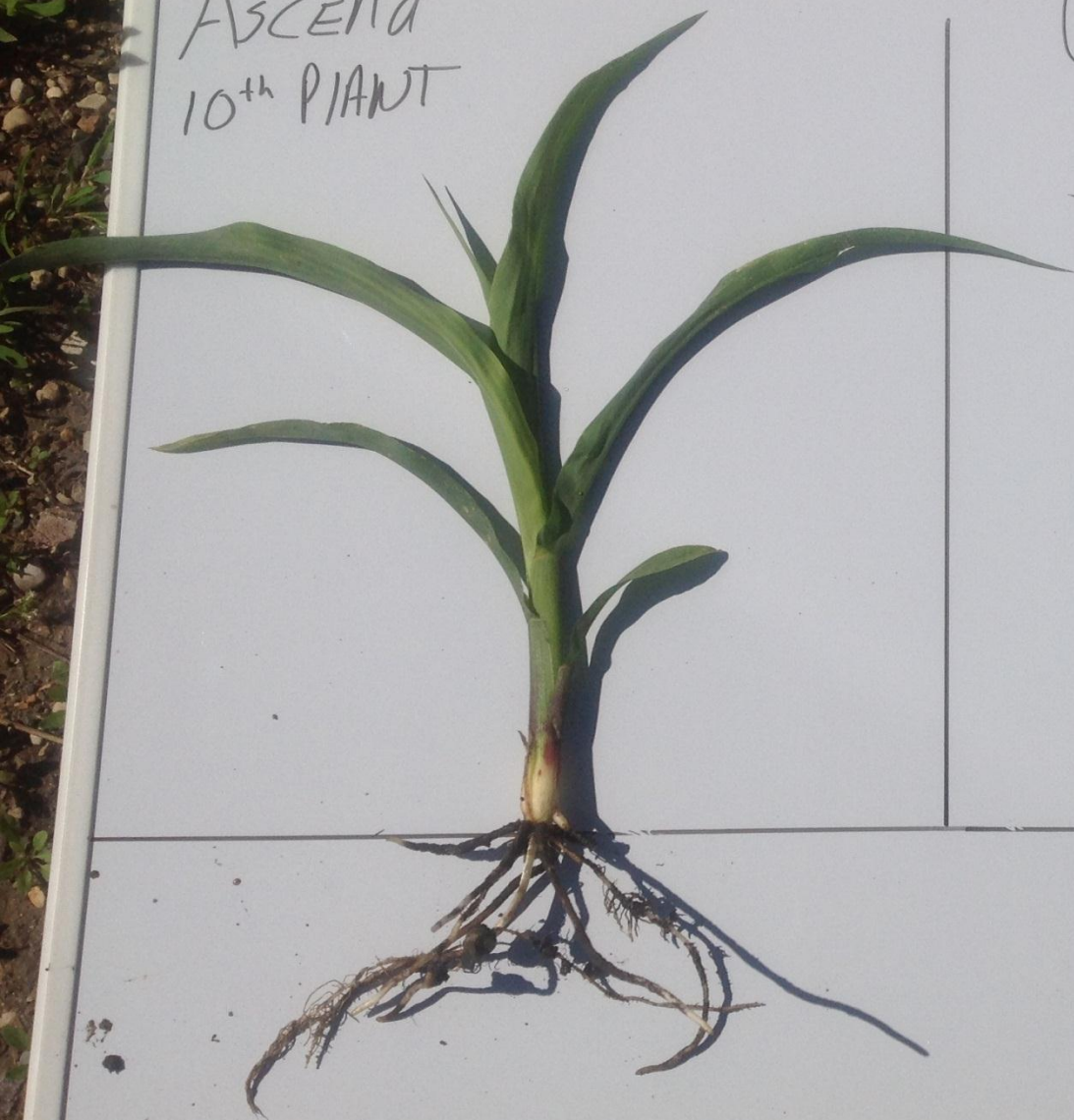


Ascend

R7 Field Trial

Un-Treated

ASCEND  
10<sup>th</sup> PLANT



UNTREATED

10<sup>th</sup> PLANT



Ascend  
20<sup>th</sup> PLANT

UNTREATED

20<sup>th</sup> PLANT

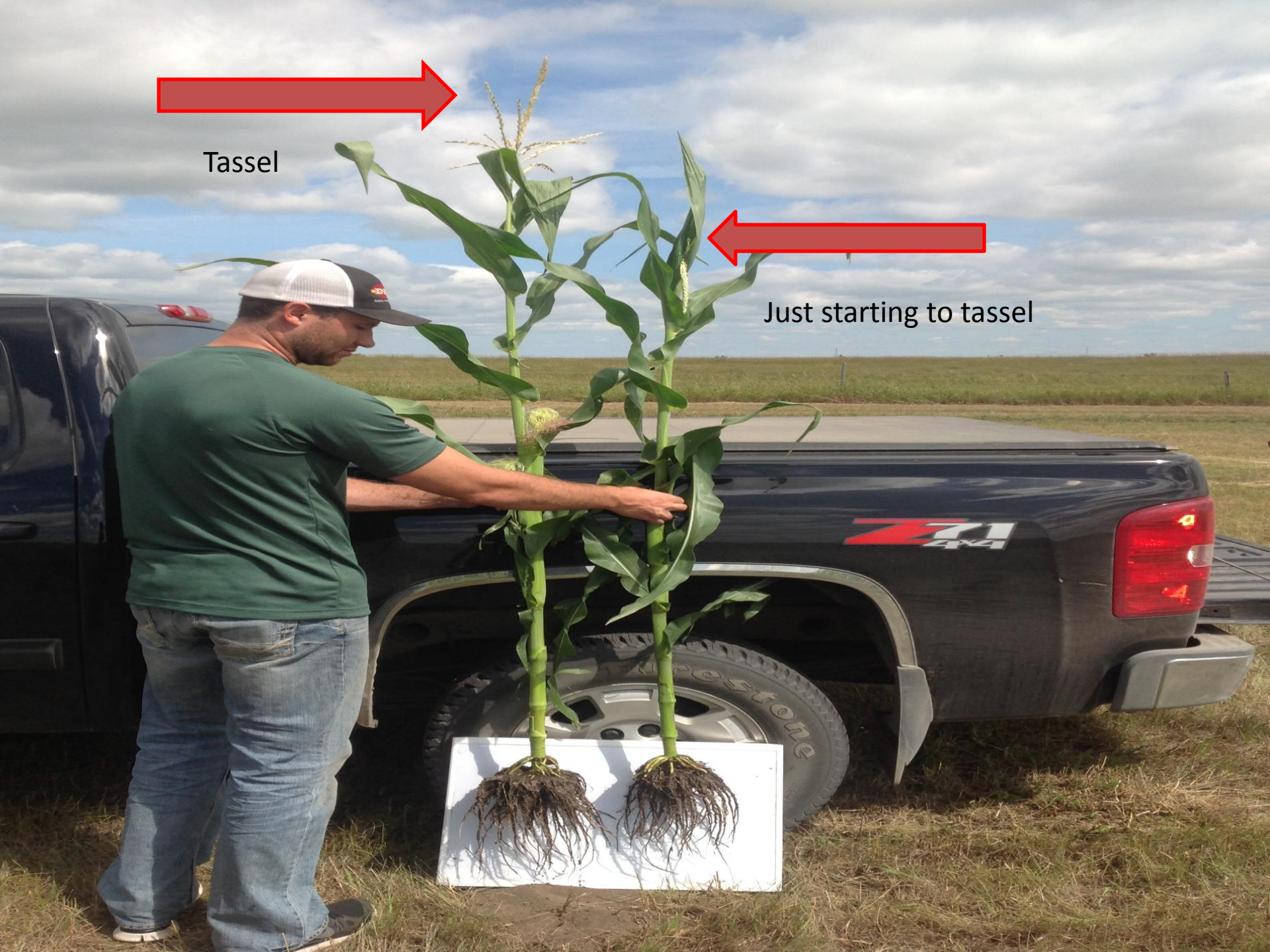




Tassel




Just starting to tassel





Treated





Un-Treated

Dried up prematurely due to  
drought conditions in August  
and September

Treated

Promotes late season health  
No fungicide applied  
Corn seed was 3 points drier

# Corn Key Take Aways

- Corn treated with Ascend emerged quicker
- Uniform emergence
- Over half of the trials the corn treated with Ascend were a leaf ahead of the un-treated
- Tasseled on average 3 days earlier
- Better developed root system, bigger stronger stalks, thicker leaves
- Just a bigger plant all around
- 95% of the corn trials had a positive response to the Ascend treatment
- Averaged a 6 bushel gain
- Increased stress tolerance
- Moisture content was almost always 2 points drier then the un-treated