



# Genomes to Fields 2014 Workshop

***Welcome***

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*Chicago, IL*

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# Objectives of Genomes To Fields

- ✧ A public-private partnership with the overarching goals to enhance ability to predict plant performance over a variety of environments



# Objectives of the GxE Trial

- ✧ The GxE Trial is a platform experiment within G2F for the development of tools and procedures for large-scale, rapid association of phenotypic traits, environmental factors and genetic material.



# Objectives of this meeting

- ✧ Update on Genomes To Fields progress this year
- ✧ Update on GxE Trial
- ✧ Update on results to date
  - ✦ Phenotyping tools
  - ✦ Remote sensing
  - ✦ Database development and data analysis methods



# Meeting Agenda

## ✧ 2014 GxE Study Overview and Results

- ✦ GxE 2014: Overview and Progress – Natalia DeLeon
- ✦ Initial Environmental & GxE results –Randy Wisser & Diego Jarquin

## ✧ Phenotyping Projects

- ✦ Crop Growth Imaging – James Schnable
- ✦ Dd UAV aerial imagery – Edgar Spalding
- ✦ Airplane aerial imagery – Jode Edwards
- ✦ In situ nitrogen measurement – Liang Dong



# Meeting Agenda

- ✧ Maize Phenotype Data Management and Database – Carolyn Lawrence
- ✧ Publication plans and 2015 GxE plans – Natalia DeLeon and Jode Edwards
- ✧ Corn Grower comments on importance of this initiative – Deb Keller
- ✧ Funding Opportunities and Coalition Building – Rod Williamson
- ✧ Wrap-up and Q&A session – Pat Schnable

