NCSRP – report due by April 1, 2022

Team members:

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- Peter Kyveryga, Co-PI, Iowa Soybean Association Research Center for Farming Innovations
- Carlos Hernandez, Data Analyst, Department of Agronomy, Kansas State University
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Progress

Project goals:

1. Develop a multistate database to allow upscaling of soybean quality predictions to regional levels and benchmark agronomic practices, soybean genetics, management, and environmental conditions that can lead to large-scale improvements in soybean quality.
2. Communicate the economic value of soybean quality mapping to farmers and agronomists through an online interactive simulation tool, technical publications and social media.

Accomplishments during the first half of year 1

The team has formalized all the collaborators from multiple states (Ohio, Indiana, South Dakota, Missouri, Iowa, Michigan, Illinois, North Dakota, Nebraska, Iowa, and Kansas), including John Fulton, Shaun Casteel, Peter Kovacs, Greg Luce and John Lory, Scott Nelson, Mark Seamon and Mani Sing, Randy Pearson, David Kramar and Michael Ostlie, and Laila Puntel and Laura Thompson.

Two main goals were achieved from the field coordination, i) all collaborators already committed to contribute to the project and provide between 5-to-15 fields per state (with a target of at least 150 fields per year across the North Central region), and ii) an initial survey, a protocol for data collection has been developed to obtain field data related to management on seed quality.

From the soybean quality tool, the research team discussed new improvements, in addition to have several presentations on this topic during January and February 2022.

Here is the link to the field survey data collection: https://forms.gle/5wBfdj9ZhsoJYsbNA