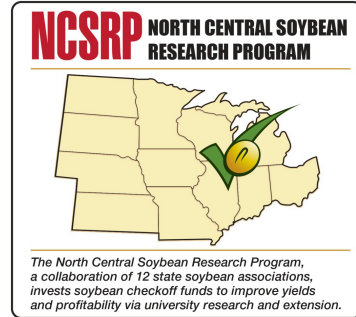




# North Central Soybean Research Program



Ed Anderson

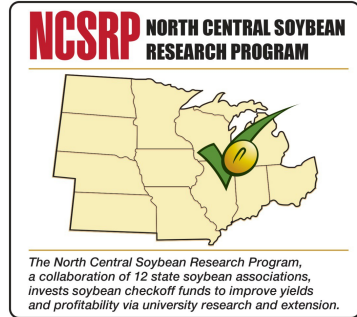
Sr. Director of Supply & Production  
Systems – Iowa Soybean Assn.

Exec. Director – North Central  
Soybean Research Program

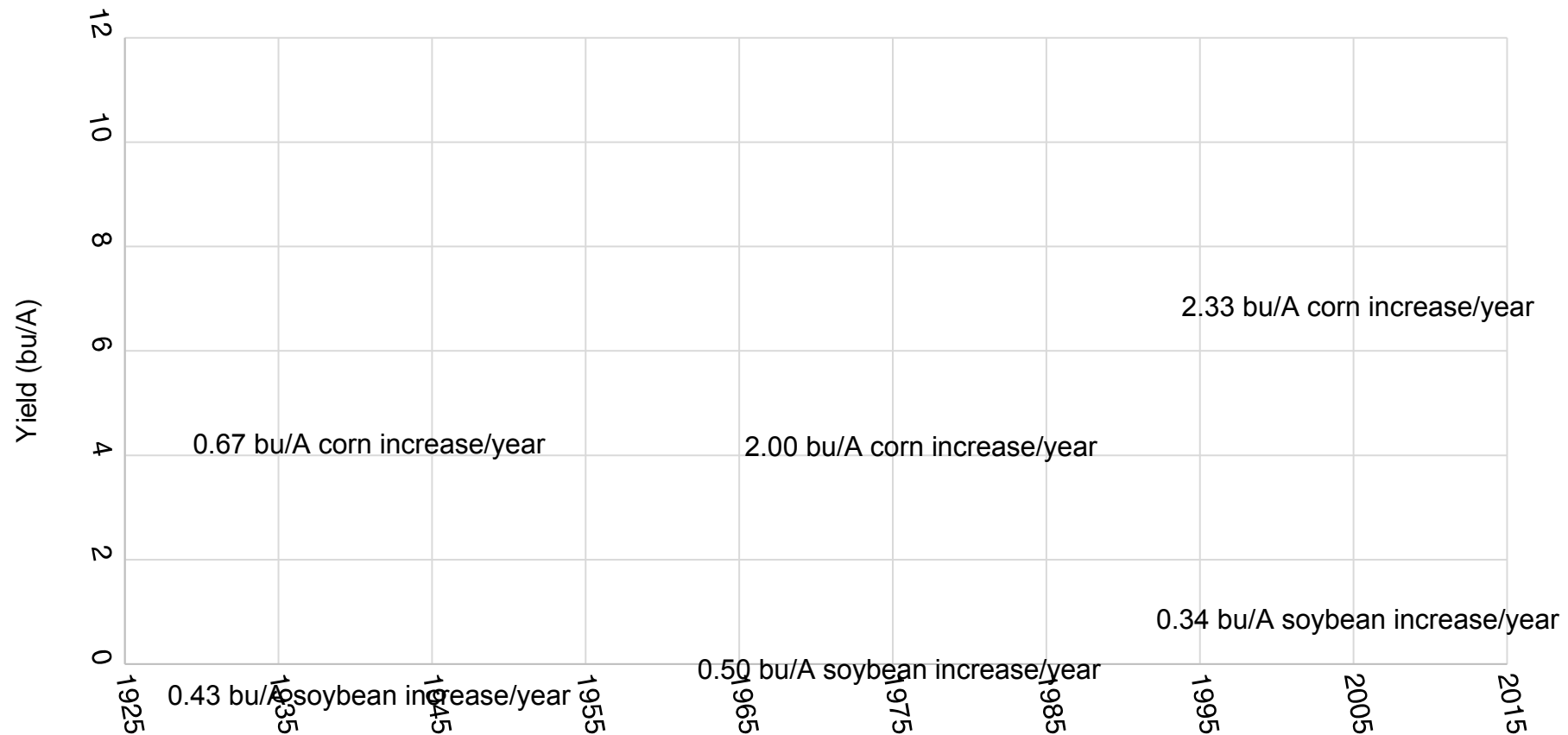




# North Central Soybean Research Program

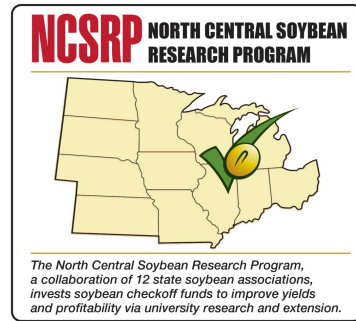


Iowa Trendline Yield





# North Central Soybean Research Program



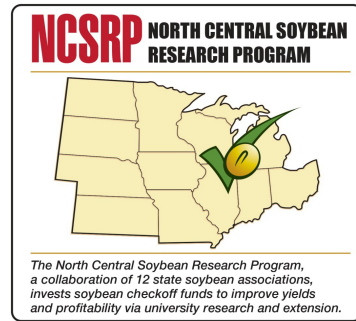
**Genetic Yield Gain + Yield Preservation + Agronomics + Environment Performance = Increased Yield**

**Vision:** Support the accomplishment and communication of soybean research that will enhance grower productivity, profitability and environmental stewardship across the North Central Region.

**Mission:** NCSRP will serve as a bridge between state and national soybean organizations and will be the recognized leader in funding and communicating basic and applied soybean research programs that are highly collaborative and uniquely appropriate in addressing the needs of soybean growers across the North Central Region.



# North Central Soybean Research Program



## Research Priorities

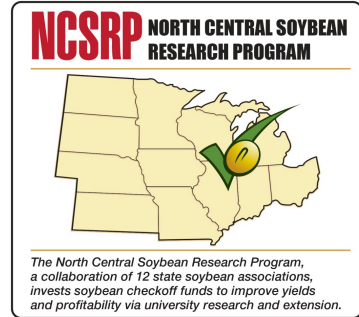
**Soybean Yield Enhancement:** Genetic improvement and increased yield potential through discovery and breeding.

**Soybean Yield Preservation:** Manage abiotic and biotic stressors of soybeans through basic and applied research.

**Soybean Productivity:** Increase yield and profitability through improved production practices, adaptation to water, nutrients and climate, weed management, seed composition and seed quality.



# North Central Soybean Research Program



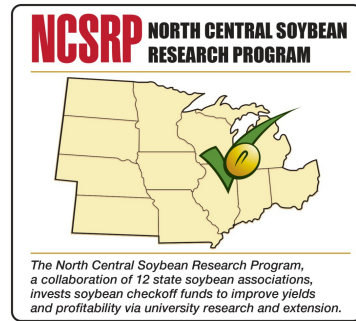
## NCSRP FY16 Budget

State Contributions: \$3,135,000

USB Contract: \$67,875



# North Central Soybean Research Program



## Communication, Coordination and Partnerships

### Soybean Research and Information Initiative

**(SRII):** <http://www.soybeanresearchinfo.com/>

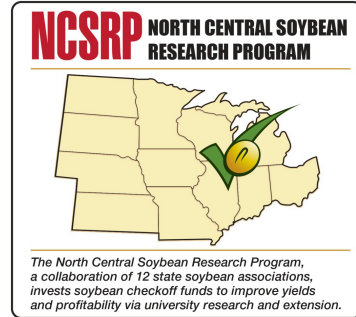
**Coordination Across State QSSBs:** Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, Wisconsin, Arkansas, Mid-South, Mid-Atlantic

**Partnerships With Others:** United Soybean Board, American Soybean Association, American Farm Bureau Federation, US Department of Agriculture, Industry Partners





# North Central Soybean Research Program

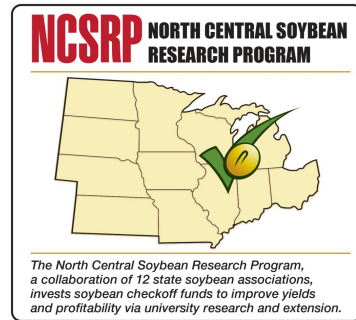


- Multi-State On-Farm Partnerships
  - Agronomic and Cropping Systems Research & Environmental and Conservation practice evaluations with regional significance
  - Aggregated data exchange, analysis and publication on new results and recommendations
  - Information communication for continuous improvement and increased farmer competitiveness
- USB and NCSRP sponsored – USB funded for FY15 & FY16
- Participation by farmers, state Departments of Ag, universities, and non-governmental organizations





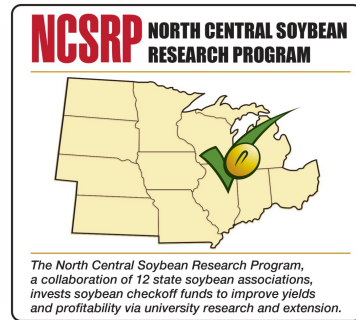
# North Central Soybean Research Program



- Accelerated Yield Improvement & Identification of New Sources of SCN Resistance
  - Interdisciplinary university research teams to develop focused and aggressive projects and programs to accelerate discovery and development – Fill the pipeline with technology, traits, germplasm and well-trained professionals.
  - Direction from farmers and partnerships with industry.
  - Increased competitiveness for funding from industry and from public agencies



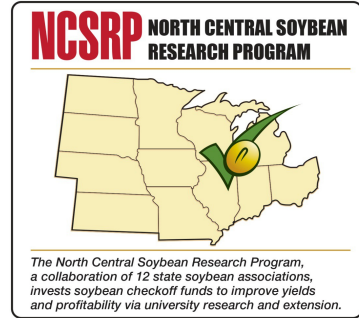
# North Central Soybean Research Program



- Accelerated Yield Improvement & Identification of New Sources of SCN Resistance
  - Accelerated Yield Gain: “Initiation of a genomic selection pipeline for public soybean breeders in the north central region” Lorenz (MN), Beavis (IA), Brown (IL), Diers (IL), Graef (NE), Hudson (IL), Lipka (IL), McHale (OH), Nelson (USDA-ARS, IL), Nguyen (MO), Martin-Rainey (IN), Scaboo (MO), Schapaugh (KS), Shannon (MO), Singh (IA), Wang (MI)
  - Novel Control of SCN: “An integrated approach to enhance durability of SCN resistance for long term strategic SCN management” Baum (IA), Tylka (IA), Severin (IA), Mitchum (MO), Nguyen (MO), Scaboo (MO), Hudson (IL), Diers (IL)



# North Central Soybean Research Program



**Thank You!**