

# National Soybean Research Database & Website

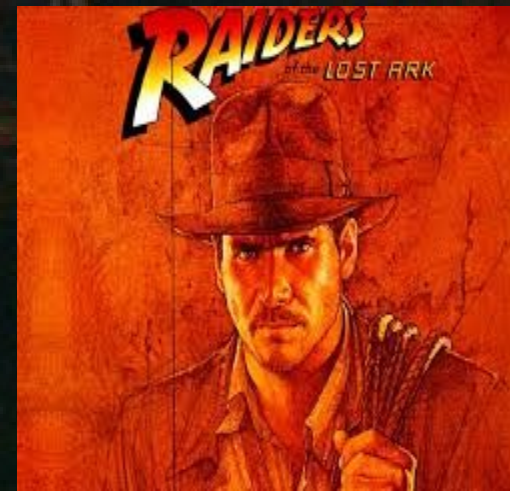
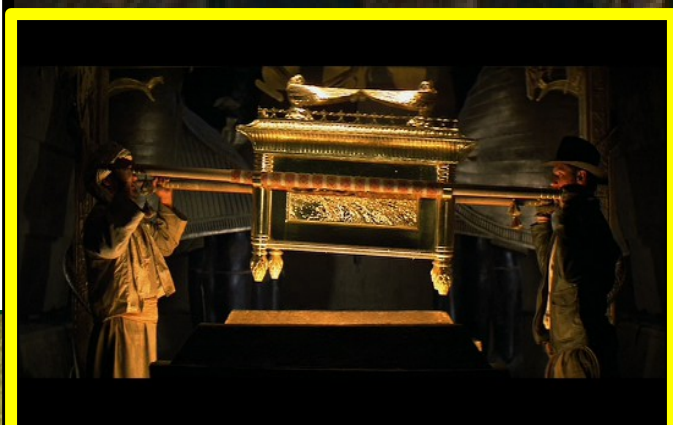
Kelly Whiting, USB

Cate Newberg, Iowa

Soybean Assoc.

Feb. 22, 2016





# A Quick History.....

- **1991**, Soybean Check-off Implemented
- **2002**, “Soybean Checkoff Research Database”
- **2009**, “soybeancheckoffresearch.com”

# Contents.....

- ALL soybean production research funded by
- ALL soybean check-off organizations
  - National, Regional, States
- Production:  
Breeding, Genetics, Molecular Genetics, Seed Composition, Meal, Oil  
Disease, Pests, Nematodes, Weed Control, Environmental Stress, Cover Crops,  
Crop Mat., Agronomics, Soil Fertility, Analytical

# Benefits of new database.....

## Database

- Full set of project information
- **Key Results & Outcomes**
- Searchable, Sortable, Selectable
- A main CENTRAL source of information

## Website

- User-friendly to access any or all project info.

# Purpose.....

- Accessibility for ALL types of users
  - Researchers, Administrators, Producers, Field Scouts
- Most up-to-date information, summaries, key outcomes
- Reduce 'lag time' of communicating outcomes
- Reduce redundancy





Log In

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## Research Highlights

Identification and Control of Soybean Stem Canker

Decisions, Decisions, Decisions— Focus on Variety Selection

Exploring Soybean Aphid and Soybean Cyst Nematode Interactions for Improved Integrated Management

New Scouting Cards for Soybean Seed and Stem Diseases

Integrating Cover Crops in Soybean Rotations

[Read More »](#)



## Welcome to the National Soybean Research Database

Soybean growers have invested in a wide array of research projects funded by state soybean checkoff organizations, the North Central Soybean Research Program, and the United Soybean Board that focus on soybean production, developing new soybean uses, and other initiatives to improve crop yields and sustainability.

Use the form below to search all research projects by keyword or project title. The dropdowns can further narrow your search by filtering by year, checkoff organization, or category. To use the filters, click the arrow to open the dropdown and check which options you would like to include in your search. You can use the "check all" or "uncheck all" buttons to quickly select or deselect all options in the dropdown.

Search  for

(Exact match search: enter partial title, subject, researcher, institution, keywords...)

Project Year

Checkoff Organization

Category



# Benefits of enhanced database

- new search functions
  - by checkoff/category/year
- listed by parent/child relationships
- overview-fast facts
- full facts
- financial reports
- ownership from project manager and researcher (lead

# Financial facts

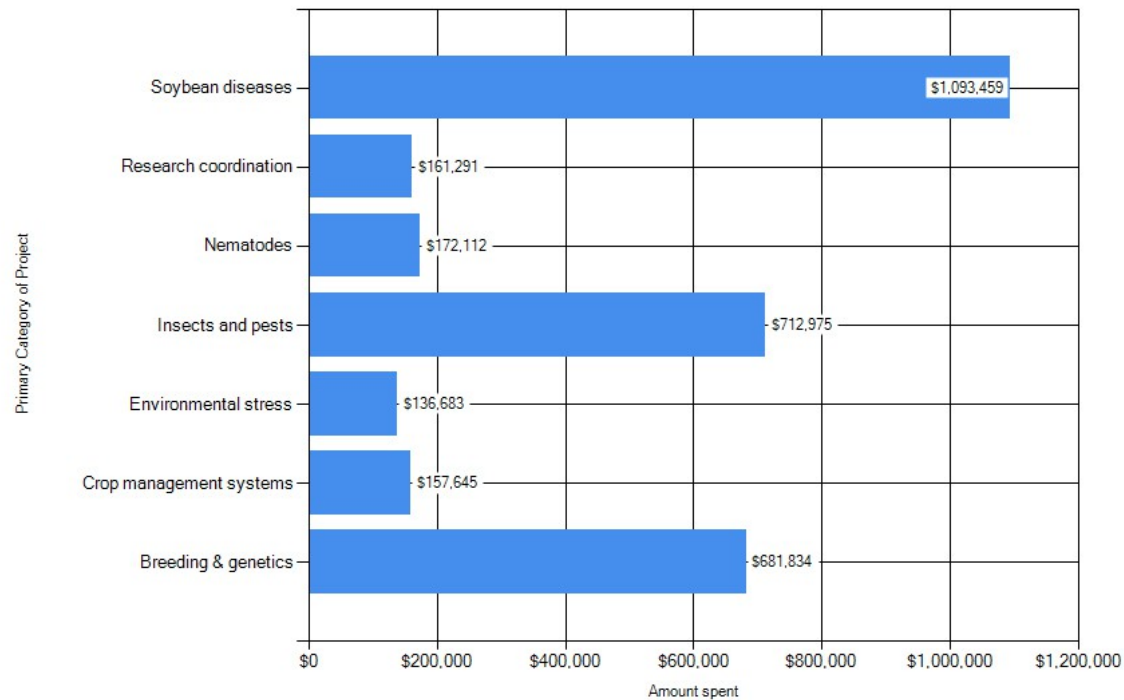
[Log In](#)[Home/Search](#)[Financial Reports](#)[Links](#)[Glossary](#)[Contact](#)

## Project Contributions By Checkoff, Per Category

Please select the information you wish to view. Mouse over a bar to see the relative percentage.



Contributions by North Central Soybean Research Program for 2014



Category	Total Contributed
Breeding & genetics	\$681,834.00
Crop management systems	\$157,645.00
Environmental stress	\$136,683.00
Insects and pests	\$712,975.00

# new search functions

Search  for

search

(Exact match search: enter partial title, subject, researcher, institution, keywords...)

Project Year

All years

Checkoff Organization

All organizations

Category

All categories

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Funded by the Soybean Checkoff

SOYBEAN  
Research & Information  
INITIATIVE



# parent/child relationships

## Sentinel plots to monitor the spread of soybean rust in the U.S. soybean production regions (displaying 2

years)

**Checkoff:** North Central Soybean Research Program. **Categories:** Communication

Year	Project Name	Contributor	Funding
2012	Sentinel plots to monitor the spread of soybean rust in the U.S. soybean production regions	North Central Soybean Research Program	\$330,550.00
2011	Sentinel plots to monitor the spread of soybean rust in the U.S. soybean production regions	North Central Soybean Research Program	\$364,000.00
Total:			\$694,550.00

## Soybean aphid: Management, biocontrol, and host plant resistance (displaying 7 years)

**Checkoff:** North Central Soybean Research Program. **Categories:** Communication

Year	Project Name	Contributor	Funding
2015	Identifying producer priorities for soybean insect pest management in the north central region	North Central Soybean Research Program	\$25,000.00
2015	Soybean aphid management, resistance, and outreach in the North Central Region	North Central Soybean Research Program	\$693,685.00
2014	Soybean aphid management, resistance, and outreach in the North Central Region	North Central Soybean Research Program	\$712,975.00
2013	Soybean Aphid Management, Resistance, and Outreach in the North Central Region	North Central Soybean Research Program	\$712,975.00
2012	Soybean aphid management in the North Central States	North Central Soybean Research Program	\$457,565.00
2011	Soybean aphid management in the North Central States	North Central Soybean Research Program	\$457,560.00
2010	Soybean aphid: Management, biocontrol, and host plant resistance	North Central Soybean Research Program	\$439,778.00
Total:			\$3,499,538.00

## Understanding the role of fungicide programs on soybean health and charcoal rot development (displaying

1 year)

**Checkoff:** North Central Soybean Research Program. **Categories:** Soybean diseases

# Fast facts

2017 - Sentinel plots to monitor the spread of soybean rust in the U.S. soybean production regions

North Centra

## Soybean aphid: Management, biocontrol, and host plant resistance (displaying 1 year)

**Checkoff:** North Central Soybean Research Program. **Categories:** Communication

Year	Project Name	Contributor	Funding
2015	Identifying producer priorities for soybean insect pest management in the north central region	North Central Soybean Research Program	\$25,000.00
2015	Soybean aphid management, resistance, and outreach in the North Central Region	North Central Soybean Research Program	
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2012	Soybean aphid management in the North Central States	North Central Soybean Research Program	
2011	Soybean aphid management in the North Central States	North Central Soybean Research Program	
2010	Soybean aphid: Management, biocontrol, and host plant resistance	North Central Soybean Research Program	\$439,778.00
			Total: \$3,499,538.00

### Identifying producer priorities for soybean insect pest management in the north central region

**Researcher:** Kelley Tilmon (South Dakota State University)

**Funding:** \$25,000.00

#### Project Summary:

Ever since the invasive soybean aphid dramatically changed soybean insect pest management in the North Central Region in the early 2000s, a strong interdisciplinary team of entomologists and plant breeders...

close

full facts +

## Understanding the role of fungicide programs on soybean health and charcoal rot development (displaying 1 year)

**Checkoff:** North Central Soybean Research Program. **Categories:** Soybean diseases

Year	Project Name	Contributor	Funding
2015	Understanding the role of fungicide programs on soybean health and charcoal rot development	North Central Soybean Research Program	\$120,444.00
			Total: \$120,444.00

## Managing frogeye leaf spot and charcoal rot in the North Central Region (displaying 2 years)

**Checkoff:** North Central Soybean Research Program. **Categories:** Breeding & genetics

Year	Project Name	Contributor	Funding
2011	Management options for frogeye leaf spot and charcoal rot in the North Central Region	North Central Soybean Research Program	\$181,000.00
2010	Managing frogeye leaf spot and charcoal rot in the North Central Region	North Central Soybean Research Program	\$190,000.00

# Full facts

## Project Details - Full Facts for Selected Year

**Parent Project:** [Soybean aphid management in the North Central States](#)  
**Checkoff Organization:** [North Central Soybean Research Program](#)  
**Categories:** Insects and pests, Research coordination, Communication  
**Project Title (This Year):** **Identifying producer priorities for soybean insect pest management in the north central region**  
**NCSRP, USB, QSSB Project Code:**  
**Project Year:** 2015  
**Lead Principal Investigator:** [Kelley Tilmon](#) (South Dakota State University)  
**Co-Principal Investigators:**  
**Keywords:** Extension and Outreach, Soybean Insects and Pests

### Contributions

<u>Contributing Organization</u>	<u>Amount</u>
<a href="#">North Central Soybean Research Program</a>	\$25,000.00

### Funding

<u>Funded Institution</u>	<u>Amount</u>
<a href="#">South Dakota State University</a>	\$25,000.00

### Information and Results

Click a section heading to display its contents.

#### ▼ [Project Summary](#)

Ever since the invasive soybean aphid dramatically changed soybean insect pest management in the North Central Region in the early 2000s, a strong interdisciplinary team of entomologists and plant breeders have worked together to provide pest management research and outreach for the region. The goal of this project is to identify soybean producers' priorities and needs for future research and outreach on insect pest management in the North Central Region.

This team is made up of 27 scientists at Land Grant universities in 12 states. The NCSRP has supported the team's effort to produce new insect management recommendations and other innovations. However, producers face an increasingly complex variety of choices for soybean insect management as well as new and emerging insect pests. Further research and outreach needs for profitable and sustainable insect pest management in soybean remain a priority for soybean research funding.

#### ▼ [Project Objectives](#)

1. Conduct a one-day Forum and Focus Workshop bringing soybean producers and scientists together to share information on advances in soybean insect pest management and to identify future directions for this work.
2. Develop a comprehensive multi-state collaborative research and outreach proposal based on the priorities identified.

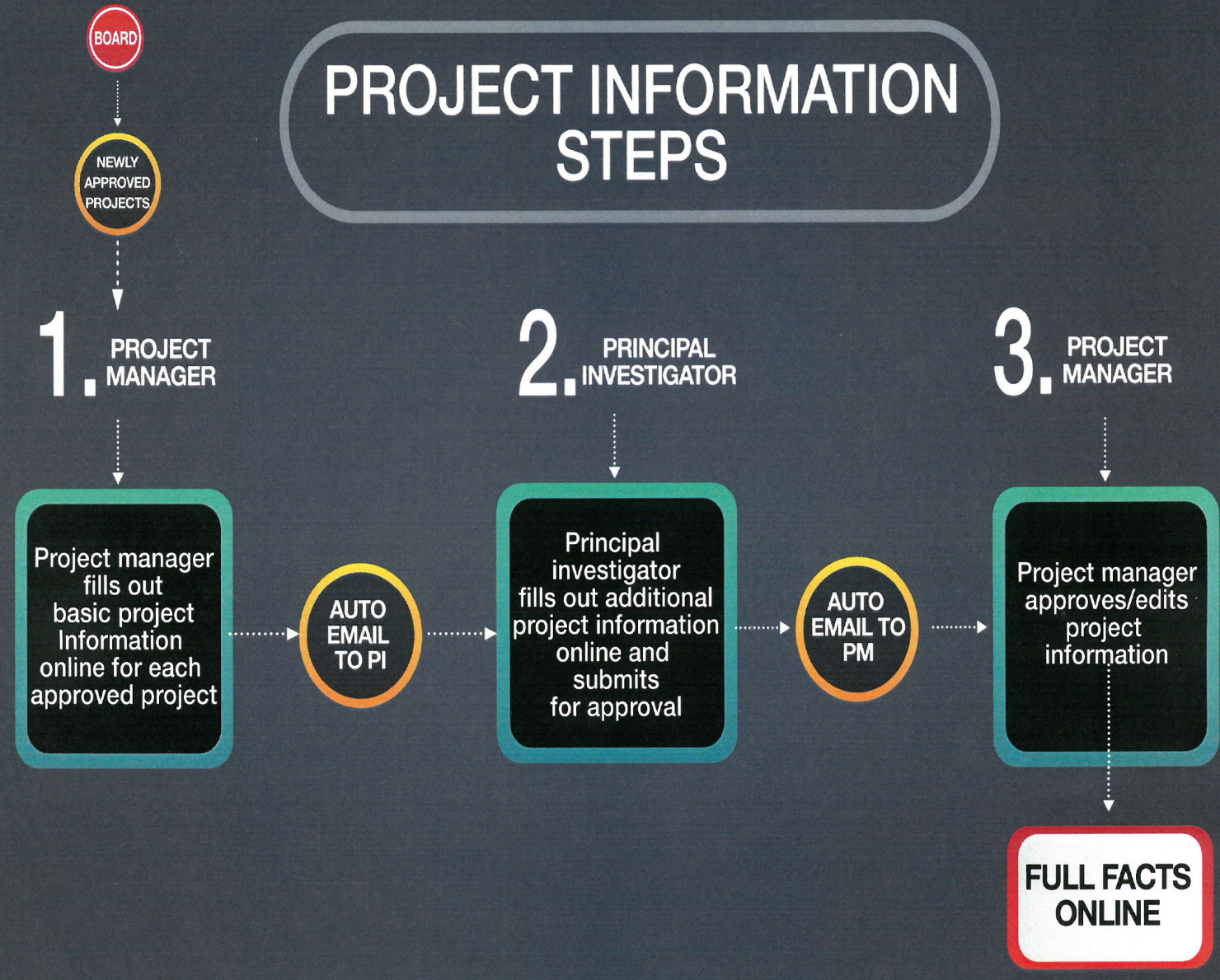
#### ▶ [Project Deliverables](#)

#### ▶ [Progress of Work](#)

# Full Facts – additional information:

- Deliverables
- Progress Reports
  - *Posted by date (text file)*
- Outcomes (fulfillment of deliverables)
- End Results/Conclusions
- Utilization

# PROJECT INFORMATION STEPS





# Rollout....

- Soybeanresearchinfo.com *is currently live*
  - *Soybean Research & Information Initiative (SRII)*
  - *Replaces Plant Health Initiative*
- Website leads to soybeanresearchdata.com
  - *Project information*
- Database contains project information in **Fast Fact** form back to 2009



# Online reporting



## Reports

### ▼ Traffic

- Sessions Graph
- Pageviews Graph
- Hits Graph
- Bytes Graph
- Summary
- Load Balancing
- ▶ Pages & Files
- ▶ Navigation
- ▶ Referrals
- ▶ Domains & Users
- ▶ Browsers & Robots

## Date Range

◀ 2015 ▶

Jan	Feb	Mar	Apr	May	Jun
Jul	Aug	Sep	Oct	Nov	Dec

Sun	Mon	Tue	Wed	Thu	Fri	Sat
→ 01	02	03	04	05	06	07
→ 08	09	10	11	12	13	14
→ 15	16	17	18	19	20	21
→ 22	23	24	25	26	27	28
→ 29	30	01	02	03	04	05

Date View: Default ▾

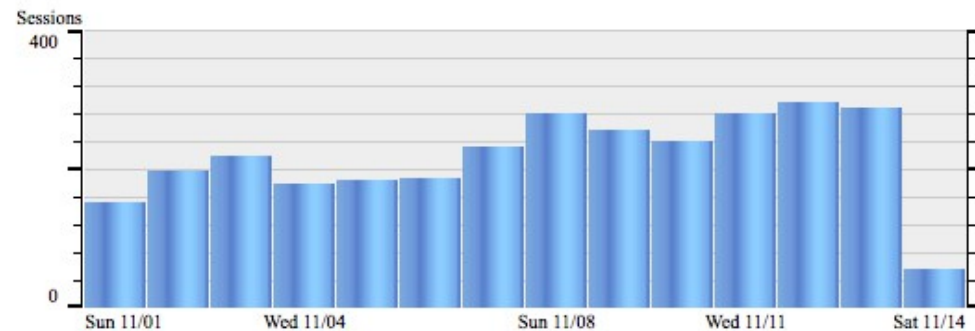
• Enter Range

Report: Sessions Graph - www.soybeancheckoffresearch.org

Date Range: 11/01/2015 - 11/14/2015

Export:

Range Total: 3,055 Daily Average: 218.21



### ? Help Information:

#### Sessions Graph

This report shows the trend of recent activity on your website in terms of Visitor Sessions over time. The default timeframe is one week, but this can easily be changed in the Date Range control area.

#### Calculation Methodology

A 'Session' is defined as a series of clicks on your site by an individual visitor during a specific period of time. A Session is initiated when the visitor arrives at your site, and it ends when the browser is closed or there is a period of inactivity. Sessions quantities will vary to some degree based on what type of visitor tracking method is employed. For the most accurate numbers, the Urchin Traffic Monitor (UTM) should be used.

# Many Thanks.....

- USB Farmer-Directors
- Iowa Soybean Association
  - Cate Newberg
- North Central Soybean Research Program
  - Ed Anderson
- Steve Yates, ITS