

The SCN Coalition: Building on the Impact of Public-Private Partnership

Funding: \$300,000

Principal Investigator

Samuel Markell, North Dakota State University

Co-Principal Investigators

Gregory Tylka, Iowa State University

Rodrigo Onofre, Kansas State University

Tim Todd, Kansas State University

George Bird, Michigan State University

Marisol Quintanilla, Michigan State University

Jason Bond, Mississippi State University Delta Research and Extension Center

Febina Mathew, North Dakota State University

Richard Webster, North Dakota State University

Guiping Yan, North Dakota State University

Alyssa Collins, Pennsylvania State University

Paul Esker, Pennsylvania State University

Darcy Telenko, Purdue University

Lei Zhang, Purdue University

Madalyn Shires, South Dakota State University

Horacio Lopez-Nicora, Ohio State University

Nathan Schroeder, University of Illinois

Seth Naeve, University of Minnesota

Jefferson Barizon, University of Missouri

Mandy Bish, University of Missouri

Dylan Mangel, University of Nebraska

Shawn Conley, University of Wisconsin

Ann MacGuidwin, University of Wisconsin

Damon Smith, University of Wisconsin

Overview of Project Objectives

Eight years ago, The SCN Coalition was formed to help growers reduce their risk to the yield threat caused by soybean cyst nematode. The original mission of this public-private partnership has expanded to include other plant parasitic nematodes. Despite great improvements in understanding and management of SCN, data suggests that a large number of growers can still improve their yield by incorporating management tools. Also, public and private sectors are making significant research advancements, which need to be more visible to growers. These advancements can help farmers benefit economically from their use. The major goal of this project is to build on the previous success and focus on the economics of SCN, research advancements, and to expand and issue information about other nematodes and pathogens that interact with SCN.

Key Results

Promotion of the SCN Profit Checker continues and usage has grown to nearly 69,000 people in 2024. This is a tool to help growers understand the economic impact of SCN on their farm. October 1, 2024, was designated National Nematode Day. The SCN Coalition spread awareness about SCN across digital, social and ag media. A content calendar was created to promote SCN comprehensively for the year. Promotions included "Are You Smarter than a Nematode?" sweepstakes and other quizzes, digital advertising, National Nematode Day promotion, and more. Media promotion included Southern Root Knot map, SCN Profit Checker, SCN experts show soil testing and results, and newly discovered genetic advancements in the SCN fight. Visitors to the website, www.TheSCNCoalition.com, continues to grow with 99,000 total new users in FY24. The SCN Coalition's National Nematode Day campaign won a Merit award at NAMA Region III, and received first place at the national award ceremony. NAMA is the largest agri-marketing association in the U.S.

Benefit to Farmers

The soybean cyst nematode is the most important, economically limiting threat to soybean growers in the North Central region. The SCN Coalition has moved the needle on awareness and active management, saving growers millions of dollars in economic loss. Private and public sectors are making significant research advancements, and growers need to know of these advances as they become available to adopt and benefit from their usage.

Links

[The SCN Coalition: Building on the Impact of Public-Private Partnership](#)

National Soybean Checkoff Research Database

[The SCN Coalition website](#)

[Breakthrough Discovery Opens New Doors in SCN Management](#)

SCN news release