



## **North Central Soybean Research Program**

### **Disease Study Group: Focus on new and emerging soybean diseases**

*Kiersten Wise, (Purdue University) and Daren Mueller (Iowa State University) (Co-Leaders), Carl Bradley (University of Kentucky), Martin Chilvers (Michigan State University), Loren Giesler (University of Nebraska), Albert Tenuta (Ontario Ministry of Agriculture & Food) and Damon Smith (University of Wisconsin); [kawise@purdue.edu](mailto:kawise@purdue.edu) and [dsmuelle@iastate.edu](mailto:dsmuelle@iastate.edu)*

Changes in crop production practices and environment impact disease severity and prevalence each year. Many diseases are sporadic, new, or emerging in the North Central Region and are concerning to farmers due to the lack of Extension information available when outbreaks occur. In a traditional system, research is conducted and Extension materials are developed and disseminated at the end of the project. This creates a “gap” in industry and farmer awareness for emerging diseases, and prevents stakeholders from obtaining the most current information about emerging issues until research projects can be completed.

It is critical to provide stakeholders with information to prevent unwarranted management practices, and improve awareness of disease. The main goal of this project is to identify emerging diseases, compile available resources and create Extension materials to provide information to farmers.

### **Project objectives**

- Provide information on emerging diseases at multiple levels of Extension interface (print, web, video, etc.) to reach diverse groups of stakeholders;
- Create a platform to host and brand Extension material developed in conjunction with the North Central Soybean Research Program to facilitate updates and allow users to identify trusted sources of material through this branding partnership; and
- Provide current research summaries on emerging diseases to direct and coordinate future research priorities thereby minimizing duplication, maximizing resources and increasing response time.

### **Progress Report April 2018**

A new Crop Protection Network webpage was created with updated functionality and resources at <https://cropprotectionnetwork.org/>. Resources include social media post compilation from multiple partners onto one resource, ability to post feature articles, an encyclopedia of information and images for 30 soybean diseases, and a library of crop protection publications.

This webpage also includes sponsor information and directs viewers towards a [sponsor](#)

[webpage](#). In just over two months of being live, the new website has had over 3,000 publication downloads from its library of PDF resources.

Released two publications on integrated soybean production issues in February 2018:  
Conley, S., Bradley, C., Chilvers, M., Giesler, L., Mueller, D., Sikora, E., Smith, D., Tenuta, A., Tilmon, K., and Wise, K. 2018. [Considerations for selecting soybean varieties](#). Crop Protection Network: CPN 4004.

Wise, K., Bradley, C., Chilvers, M., Conley, S., Faske, T., Giesler, L., Mueller, D., Sikora, E., Smith, D., Tenuta, A., and Tilmon, K. 2018. [Factors to consider before using a soybean seed treatment](#). Crop Protection Network: CPN 4003.