



THE OHIO STATE UNIVERSITY
COLLEGE OF FOOD, AGRICULTURAL,
AND ENVIRONMENTAL SCIENCES

FSR Agronomy College
Agenda
September 10, 2019

8:30 – 9 **Registration & Welcome**

9 am **Morning Sessions**

Lunch

Afternoon Sessions

4 pm **Adjourn**

*Participants will rotate between sessions throughout the day.
Each session will be 50-60 minutes in length.*

Corn Issues/Opportunities 2019-2020

Pierce Paul, OSU Plant Pathologist

After this varied weather year, we will look at midseason disease occurrences and management as we close out the crop year. Also, for what should we give consideration in 2020?

CCA: 1 CM; ODA Commercial: 1 2A

Rethinking the Sprayer Cleanout, Reordering Steps and Adopting New Practices

Fred Whitford, Purdue University

Crop damage can be prevented by taking the time to clean and flush the entire sprayer system—tank, hoses, screens, booms, and nozzles. The most common mistake made is when the applicator arbitrarily decides to short-change a few of the steps in cleaning the sprayer tank, screens, hoses, and booms. Saving a few minutes by taking short cuts during the cleanout process can almost guarantee that more time will be spent in the long run resolving contamination issues. It is usually much smarter to spend the time to do it right the first time. This presentation discusses and describes the proper procedures to remove unwanted residues and prevent the unintentional introduction of herbicides to sensitive or non-labeled crops.

CCA: 1 SM; ODA Commercial: 1 Core

Weeds – Mode of Action – TAKE ACTION!

Tony Dobbels, Research Specialist, OSU Horticulture & Crop Science

Will cover herbicide mode of action selection and Take Action, herbicide-resistance management.

CCA: 1 PM; ODA Commercial: 1 2C

Stinks you can't manage these bugs? You can!

Kelley Tilmon, Associate Professor, OARDC Entomology

How to scout for and manage stink bugs in soybeans.

CCA: 1 PM; ODA Commercial: 1 2A

Disease Scouting and Recommendations in Uncertain Times

Anne Dorrance, OSU Plant Pathologist

Several diseases have appeared in Ohio this year, but what do we do about them when growth stages are off cycle by 3 weeks or more. An update on identification, results from Soybean Cyst Nematode surveys, and general discussion of management of diseases in 2019.

CCA: 1 CM; ODA Commercial: 1 Core

Leaves and Losses – Corn Staging and Defoliation

Alex Lindsey, Assistant Professor Crop Ecophysiology, OSU Horticulture & Crop Science

Participants will receive a corn staging refresher activity, and hands-on exposure to how defoliation of leaves at different growth stages can impact corn appearance, ear development and yield.

CCA: 1 CM; ODA Commercial: 1 CM

Following the Lunch:

Avoiding Tank Mixing Errors

- Applying the Principles of Compatibility and Mixing Compatibility

Fred Whitford, Purdue University

It is a common agricultural practice to combine multiple crop protection products into a single spray application. This practice is called tank mixing and offers many benefits. However, each formulated product has a set of diverse, intricate, and complex chemical structures. As a result, each additional tank mix partner increases the potential for incompatibilities (negative interactions). Incompatibilities arise when one product influences the mixing and delivery of the products in that mixture. Obviously, incompatibility is undesirable. This presentation will focus on how formulation, tank mixing order, and carrier type (i.e. water or fertilizer) influence compatibility between products. Understanding the basics underlying these factors will help to effectively combine crop protection products to maintain productivity and efficacy.

CCA: .5 CM; ODA Commercial: .5 Core