



Anne Dorrance

Project Title

Managing Soybean Diseases in Ohio

Biography

Dr. Anne E. Dorrance joined her colleagues in the Department of Plant Pathology at The Ohio State University in the Fall of 1997. She is based at the OARDC in Wooster with responsibilities in soybean research and field crop extension. Dorrance has developed a nationally recognized research and outreach program on the management of soybean diseases that impact Ohio producers. She and her students have contributed to identifying new sources of resistance to many soybean pathogens, focusing on those that are soil borne as well as evaluation of integrated management strategies. Dorrance has received several awards including the American Soybean Association Special Meritorious Award, The American Phytopathological Society Excellence in Extension and was the 2002 Recipient of Ohio Soybean Council's Outstanding Achievement Award.



Project Description

The Soybean Pathology at The Ohio State University studies many aspects of managing soybean diseases that limit yields in Ohio. The primary focus is identifying and characterizing resistance to the plethora of pathogens that survive in Ohio soils or on plant residues. This information is shared with farmers, seed dealers, and seed development companies to help improve soybean variety selection and development for this region. The second focus is on management, evaluating seed treatment fungicides and foliar applications to determine efficacy and identify the conditions when applications will provide the greatest return on a producer's investment. All of these studies combined provide a database to limit losses, improve soybean health, and ultimately farmer profits.

