

Bindley Bioscience Center Special Lecture

December 10, 2018
11:00 am – 12:00 pm
MJIS 1001

**Don M. Huber, Professor
Emeritus, Purdue University**

Dr. Don M. Huber is Professor Emeritus of Plant Pathology at Purdue University. His agricultural research the past 55 years has focused on the epidemiology and control of soil borne plant pathogens with emphasis on microbial ecology, cultural and biological controls, nutrient-disease interactions, pesticide-disease interactions, physiology of host-parasite relationships and techniques for rapid microbial identification. He is a past Chairman of the USDA-APS National Plant Disease Recovery System and a member of the US Threat Pathogens Committee. He is author or co-author of over 300 journal articles, Experiment Station Bulletins, book chapters and review articles; three books, and 84 special invited publications.

Novel changes; powerful impact: a weed killer and health

The systemic herbicide, glyphosate, as a powerful tool for weed control, has become the most extensively used agricultural chemical in history. Although simple in structure, it's novel characteristics as a water soluble, broad-spectrum mineral chelator, powerful antibiotic and synthetic amino acid; coupled with its indiscriminate use, have resulted in profound impacts on the health of soils, crops, animals, and humans. Bioaccumulation in soil, water, and plant and animal tissues have made it an almost ubiquitous component of the environment. It has generally been promoted as environmentally safe but recent classification by the World Health Organization as a probable human carcinogen has encouraged a more in-depth evaluation of its impact. Dr. Huber will discuss interactions of glyphosate with nutrition and the health of crops, animals, and the environment.