



4R's of Nutrient Stewardship November 30, 2012

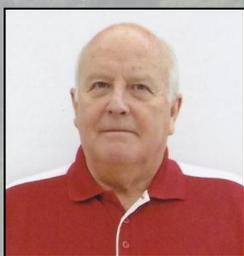
2:30 pm (eastern), 1:30 pm (central), 12:30 pm (mountain), 11:30 am (pacific)

Nutrients used to grow field crops from fertilizer and organic sources are entering and polluting our waterways. Proper application of these nutrients can keep nutrients on the field, reducing fertilizer expense and increasing water quality. This webinar will discuss the 4R's of Nutrient Stewardship (Right Source, Right Rate, Right Time and Right Place), how the Ohio State University Extension is developing programs and research to clean up Lake Erie and Grand Lake St. Mary's, and how industry professionals are embracing the 4R's. *An application for continuing education credit for Certified Crop Advisors (CCAs) and members of the American Registry of Professional Animal Scientists (ARPAS) has been submitted.*



Greg Labarage is a Field Specialist, Agronomic Systems at The Ohio State University. He was an Extension Educator in Fulton County, Ohio from 1988 until 2012. He serves co-coordinator of OSUE's Agronomic Crops Team with programmatic specializations in Soil Fertility, Crop Production and Precision Agriculture. He received his M.S. in Agronomy from the University of Missouri. Phone: (740) 223-4040; E-mail: labarge.1@osu.edu

Dr. Tom Bruulsema directs research and education programs in the Northeast region for the North American program of the International Plant Nutrition Institute, a not-for-profit, scientific organization dedicated to the responsible management of plant nutrition. Dr. Bruulsema is a Fellow of the Canadian Society of Agronomy, the American Society of Agronomy and the Soil Science Society of America, and a Certified Crop Adviser. He has research experience in soil science with Cornell University and the University of Minnesota, and in Bangladesh agronomy with the Mennonite Central Committee. He obtained his PhD in Soil Science from Cornell University in 1994. Phone: 519-835-2498. Email: Tom.Bruulsema@ipni.net



John Oster is a graduate of Indiana University. After graduation, he worked with W. R Grace & Co. that culminated in New Albany, Indiana, as Regional Consumer Sales Manager for Grace's Central Region. Through his wholesale sales management and facility management position with a large, independent wholesaler in northeastern Ohio, he helped facilitate the development of The Dickey Terminal in East Liverpool, Ohio into a world-class storage/distribution facility. He then became the Wholesale Sales Manager with oversight duties when Agway leased the East Liverpool Terminal for their warehouse/distribution system. When Growmark bought Agway's Agronomy Division, he eventually moved to Growmark's home office in Bloomington, Illinois, in the position of National Sales Manager for its Agronomy Division. After a brief time as Director of Facilities for YARA North America in Tampa, Florida,

he took a sales position with Morral Companies, LLC based in Morral, Ohio where he is currently very involved in the industry's 4R Nutrient Stewardship initiative. Phone: 1-800-569-8027; E-mail: OsterJ@morralCompanies.com

Amanda Douridas is the Program Coordinator for Environmental Management with the Department of Food, Agricultural, and Biological Engineering at The Ohio State University. She also serves as the Agriculture and Natural Resources Extension Educator in Union County, Ohio. Her research focuses on manure nutrient application techniques that deliver nutrients when the plant most needs them and reduces the potential for run-off. She received her M.S. in Agricultural Economics from The Ohio State University. Amanda will serve as the moderator for this webcast. Phone: (614) 292-6625; E-mail: douridas.9@osu.edu



How Do I Participate?

On the day of the webcast, go to www.extension.org/58813 to download the speaker's power point presentations and connect to the virtual meeting room. First time viewers should also follow the steps at: www.extension.org/8924.

Links For More Information:

- * What are the 4Rs <http://www.nutrientstewardship.com/what-are-4rs>
- * 4R Nutrient Stewardship Portal <http://www.ipni.net/4r>

The LPE Learning Center is a project dedicated to the vision that individuals involved in public policy issues, animal production, and delivery of technical services for confined animal systems should have on-demand access to the nation's best science-based resources. See our website at: http://www.extension.org/animal_manure_management.