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SCHOOL OF ENVIRONMENT AND NATURAL RESOURCES

Autumn 2024 SENR Seminar Series

October 22, 2024

4:00 p.m.-5:00 p.m.

103 Kottman Hall

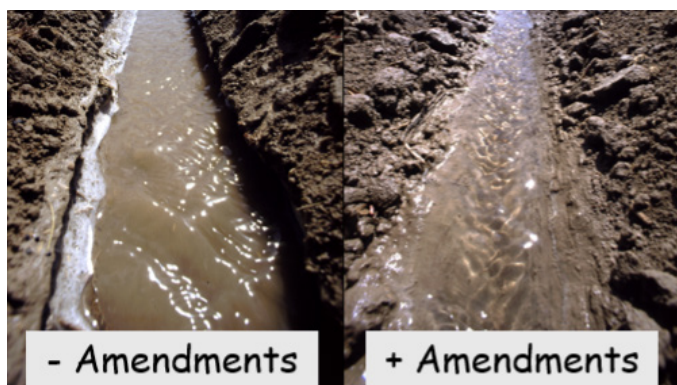
Dr. Jim Ippolito

Professor, Rattan Lal Endowed Professor of
Soil Health and Soil Fertility
School of Environment and Natural Resources

Attempting to solve the soil – water – phosphorus puzzle

ABSTRACT

The transport of excess nutrients is one of the leading causes of waterway impairment in the U.S. In particular, soluble reactive P (SRP) transport in aquatic systems is of interest because P is commonly regarded as the limiting nutrient governing primary production in freshwater systems. This seminar will attempt to piece together the puzzle of SRP transport in freshwater systems, the intimate connections to soil chemical reactions that influence P dynamics, and means by which we can attempt to solve the puzzle using unique approaches for reducing SRP in freshwater systems. Case studies from my time as a USDA-Agricultural Research Service scientist will be presented.



Join the seminar via Zoom:



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