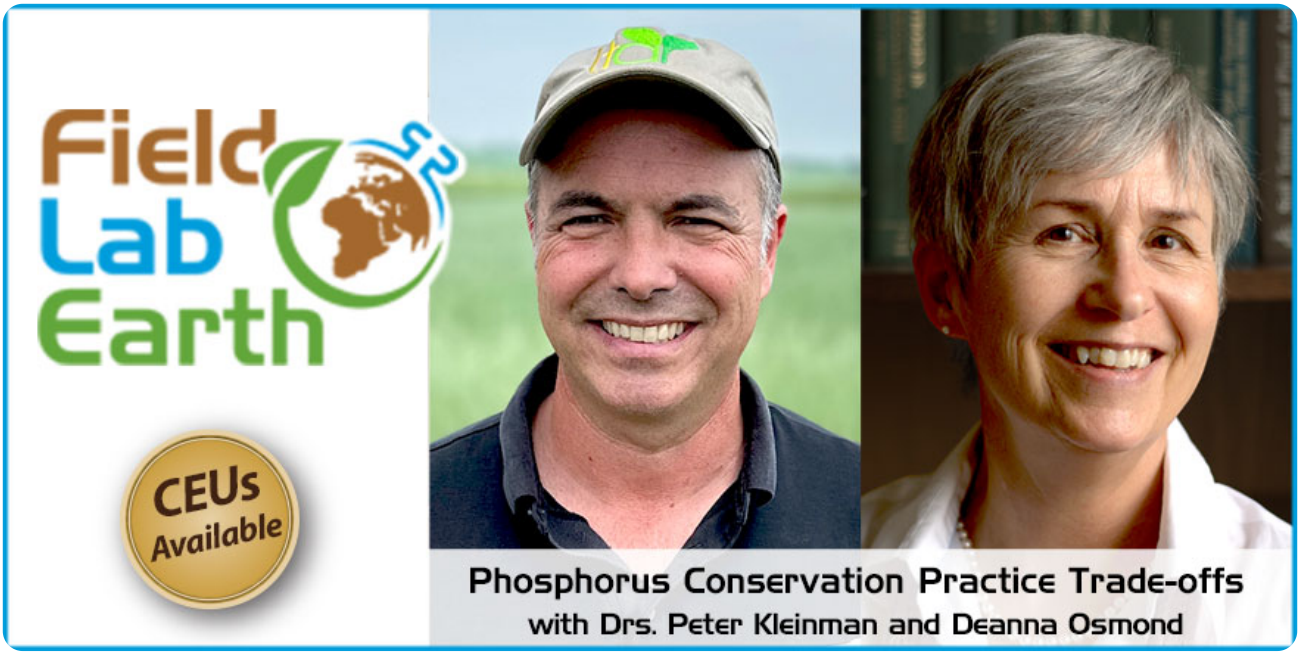
Science Societies

Phosphorus Conservation Practice Trade-Offs

March 1, 2024



Conservation practices are important techniques that help us move towards a more sustainable planet. But when these tools are applied without proper testing and a holistic point of view, they can sometimes cause unintended consequences or trade-offs that affect the surrounding environment. This podcast episode will discuss

common trade-offs that can impact tools that manage phosphorus and how to avoid these potential pitfalls.

Self-Study CEU Quiz

Listen to the podcast by visiting https://fieldlabearth.libsyn.com or via your podcast platform of choice. Earn 0.5 CEUs in Nutrient Management by taking the quiz at https://bit.ly/42EV20p.

1. Traditionally, phosphorus management strategies have focused on sediment runoff without focusing on soluble P.

a. True.
b. False.

2. ACT stands for:

a. Accurate, Complete, Time Bound.
b. Advise, Correct, Test.
c. Avoid, Control, Trap.
d. Amplify, Connect, Teach.

3. Which of the following was listed as a potential trade-off of conservation tillage and cover crops?

a. Increased risk of run-off from lack of stirring soil.
b. Stratification of nutrients.
c. Increased soluble phosphorus from cover crop organic materials.
d. All of the above.

4. Which of the following was given as a reason that wetlands can become sources instead of sinks?

a. Oversaturation of phosphorus.
b. Oxidative states changing.
c. Vegetation breakdown.
d. All of the above.

5. Soil testing can be one of the most important steps to monitor and prevent phosphorus loss regardless of where you are.

a. True.
b. False.

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