Research Question: Have the nutrient management rules been effective at reduce P export in the Western Lake Erie Basin?

Working hypothesis: The nutrient management rules reduced winter P export but failed to impact precipitation.

Reason 1: Previous practices resulted in excessive P loss to the WLEB

Why do I think this?

* Non-point sources linked to increase in SRP to Lake Erie

What evidence do I need to prove this?

Reason 2: Nutrient application on frozen ground increases the risk for excess nutrient loss

Why do I think this?

* Because the P doesn’t penetrate and bind with soil particles
  + Cite this

What evidence do I need to prove this?

Reason 3: Incorporation has shown to reduce P export from agricultural areas.

Why do I think this?

* Kamrath et al., 2023 identified subsurface incorporation of nutrient as a key method to reduce P export from agricultural areas

What evidence do I need to prove this?

* Systematic review for

Reason 4: Legacy P influence should begin to wane over a 7 year period

Why do I think this?

Stackpoole?

What evidence do I need to prove this?

* Long-term study looking a P loss changes in ag areas