

Conventional Tillage With No Cover Crop

Agronomic Data

Tillage: Conventional Tillage
Previous Crop: Corn
Fertilizer Source: ?
Cover Crop: None

Rainfall Simulations



Water Data

1.4 in. Applied

0.8 in. Infiltration (56%)

0.6 in. Runoff (44%)

Total Solids Loss: 383 lbs./ac

Total Phosphorus Loss: 0.492 lbs./ac

Soil Health

Infiltration: in/hr.
Slake Test:
Bulk Density: g/cm³
Earthworm: worms/ft³
Respiration: CO₂-C/ac./day

United States Department of Agriculture



Horse Creek 205 6/4/22

Johnson/Plots 104,205,302/Conventional Tillage/No Cover/Spring
2022

No Till With Cereal Rye Cover Crop

Agronomic Data

Tillage: No Till
Previous Crop: Corn
Fertilizer Source: ?
Cover Crop: Cereal Rye Cover



Rainfall Simulations

Water Data

1.6 in. Applied

1.4 in. Infiltration (90%)

0.2 in. Runoff (10%)

Total Solids Loss: 8 lbs./ac

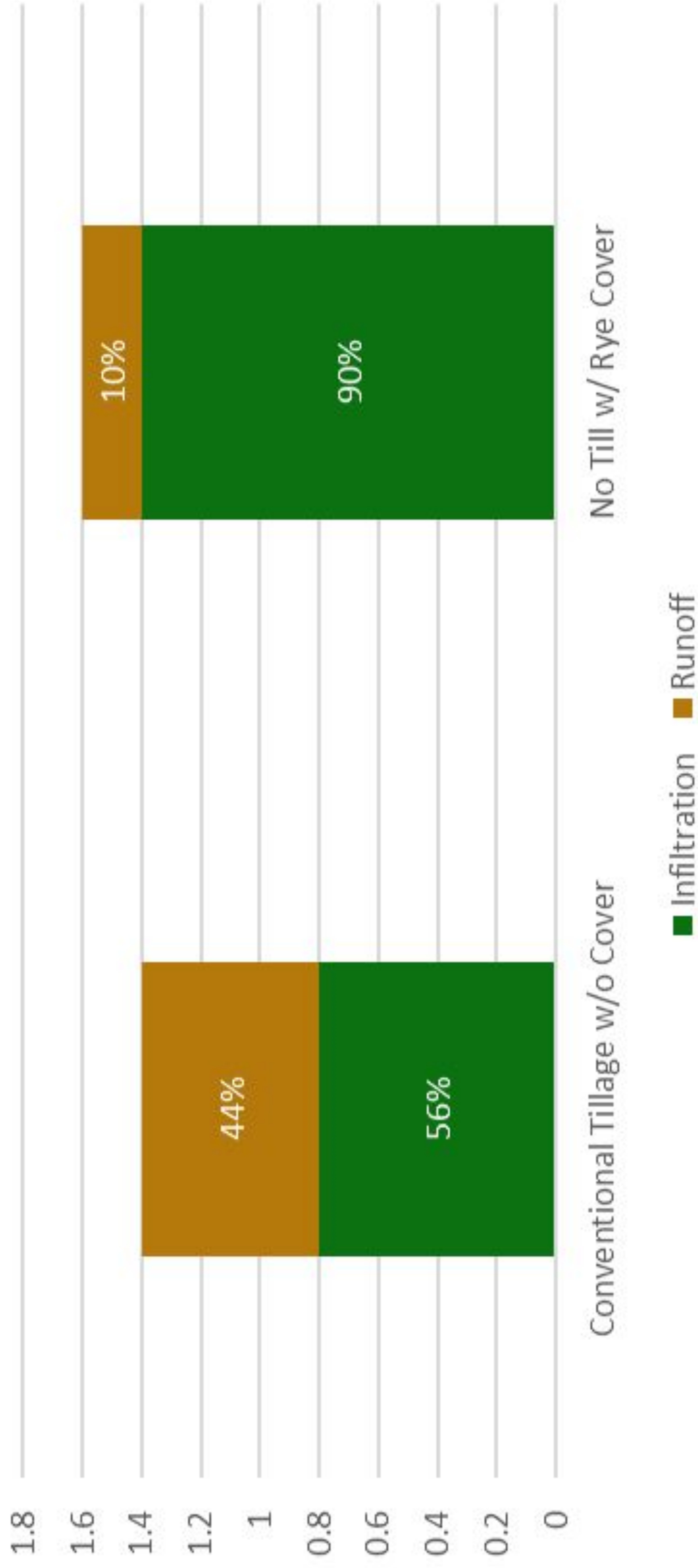
Total Phosphorus Loss: 0.242 lbs./ac

Soil Health

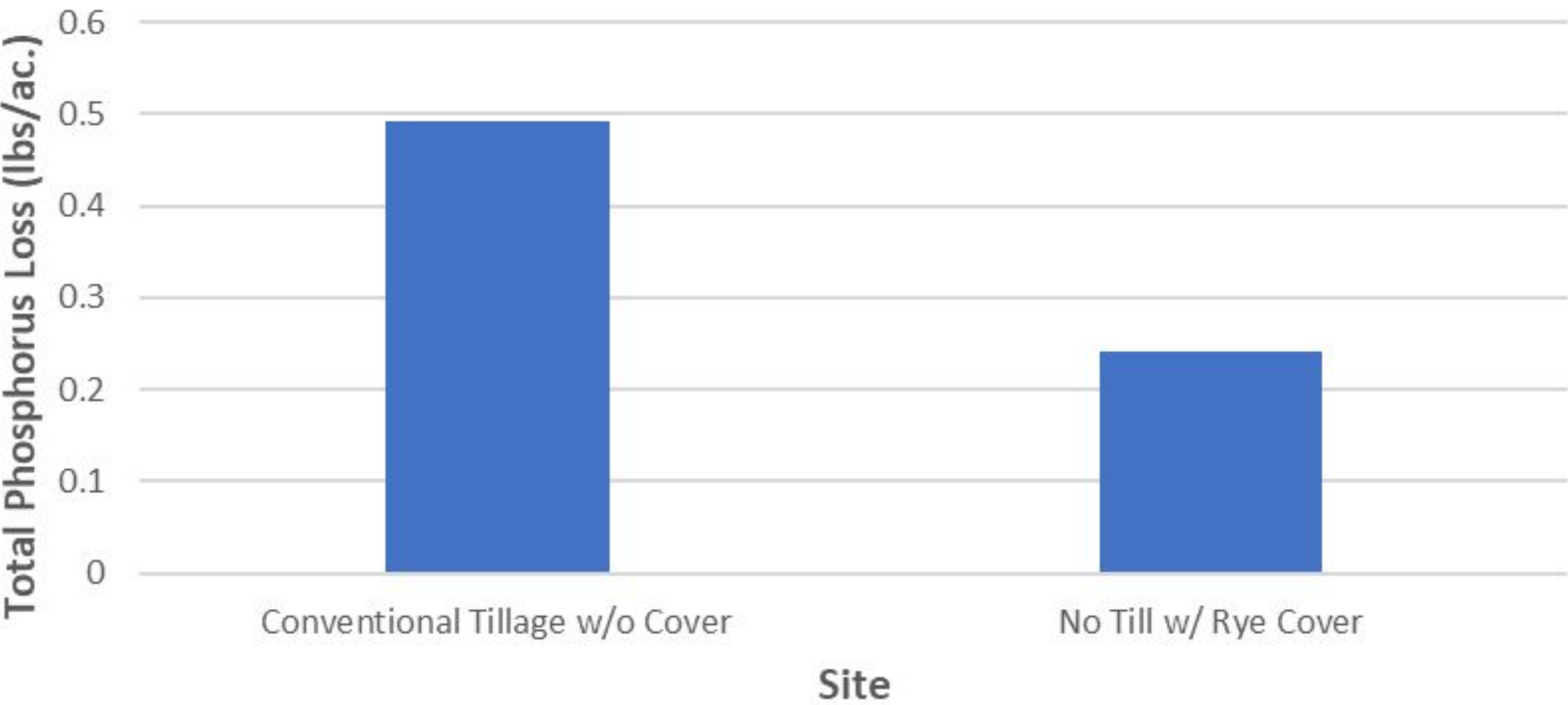
Infiltration: in/hr.
Slake Test:
Bulk Density: g/cm³
Earthworm: worms/ft³
Respiration: CO₂-C/ac./day



Infiltration vs. Runoff in Simulated Rainfall



Total Phosphorus Loss From Simulated Rainfall



Soil Erosion From Simulated Rainfall

