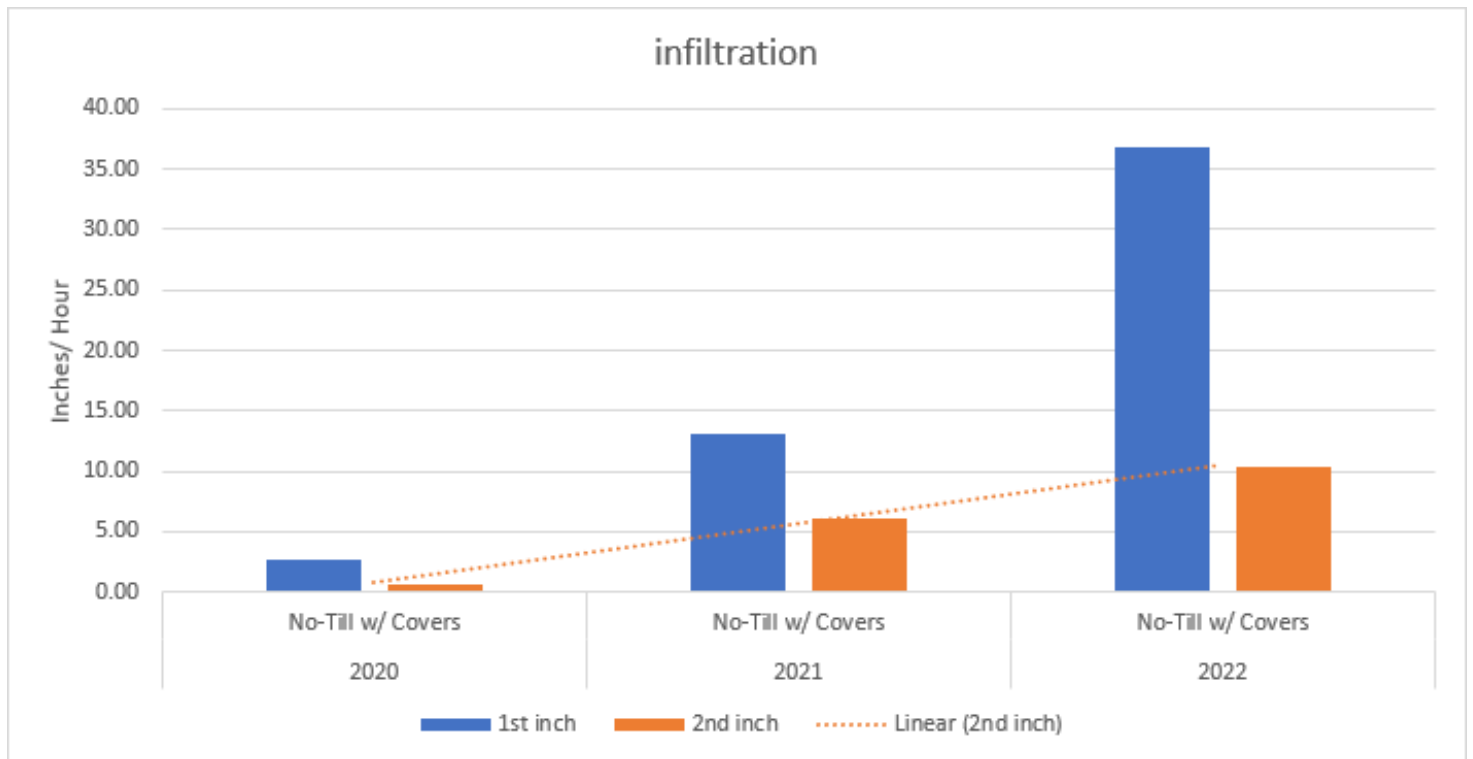


Wilkin SWCD Soil Health Demonstration Site Data Graphs

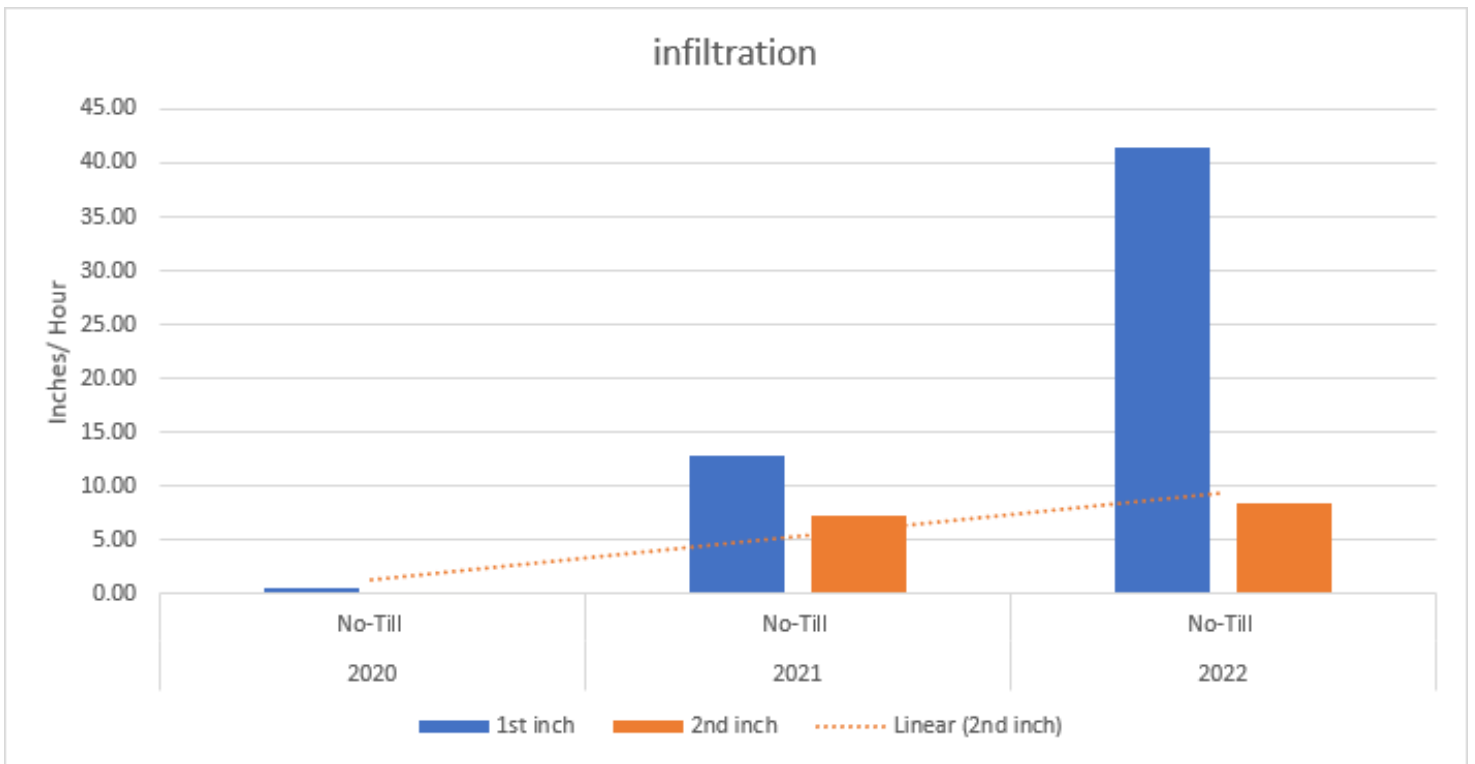
Infiltration Rates 2020-2022

Infiltration is an indicator of the soil's ability to allow water movement into and through the soil profile. Soil temporarily stores water, making it available for root uptake, plant growth and habitat for soil organisms (NRCS soil quality sheet). A high infiltration rate indicates the soil is able to take in lots of water in a short period of time and a low infiltration rate means the soil is not able to take on much water due to poor pore space. Below are 6 graphs showing infiltration rates and trends at the Wilkin SWCD Soil Health Demonstration site since adoption of each management from 2020-2022. The 1st inch (blue bar) indicates the first application of water to the ring and the 2nd inch (orange bar) is the second application. The conventional sites (graph 3-4) have the highest infiltration rate (on average) but are trending lower, whereas the no-till (graph 1-2) and strip-till (graph 5-6) sites are trending higher. The trends suggest structure and pore space are being created at the no-till and strip-till sites and are being reduced on the conventional.

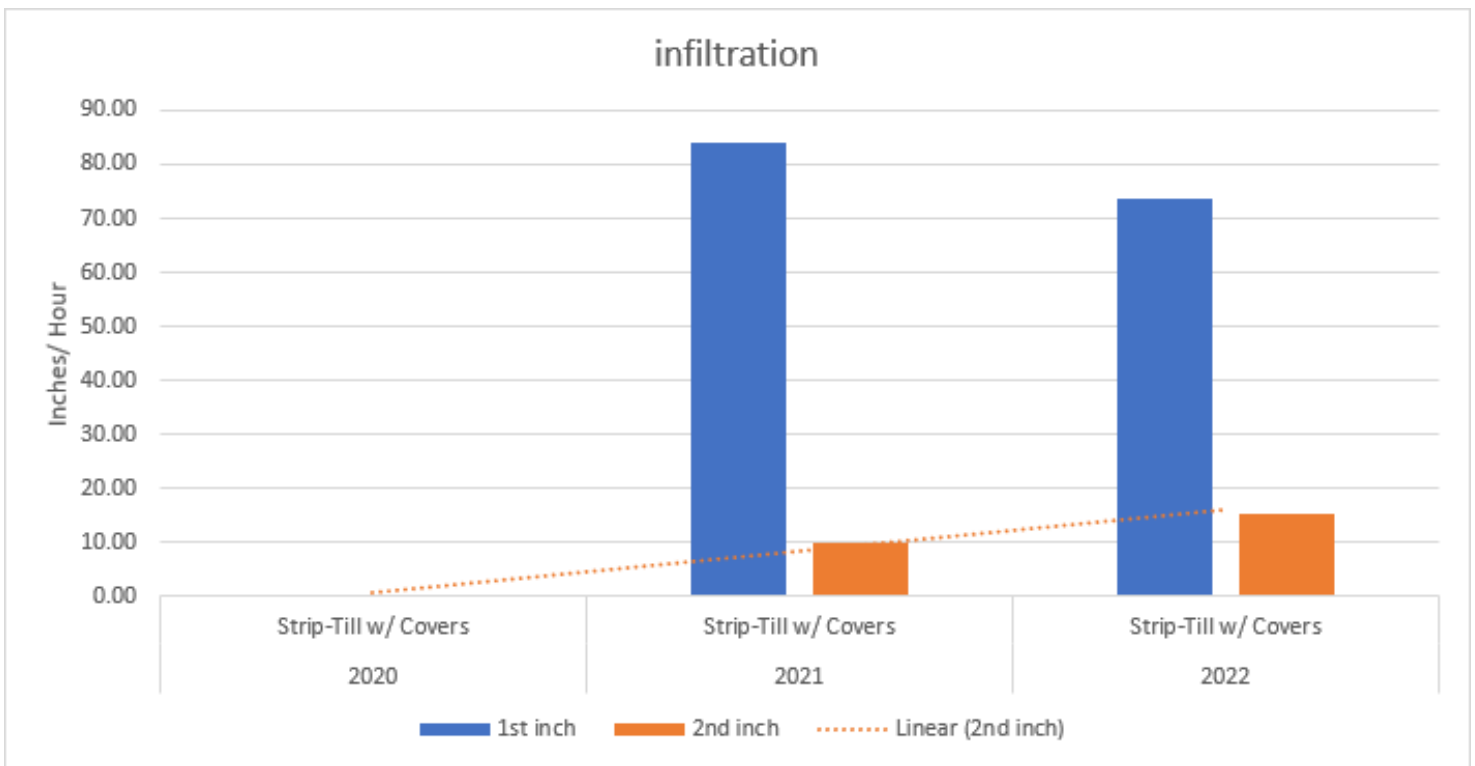
No-Tillage w/ Cover Crops



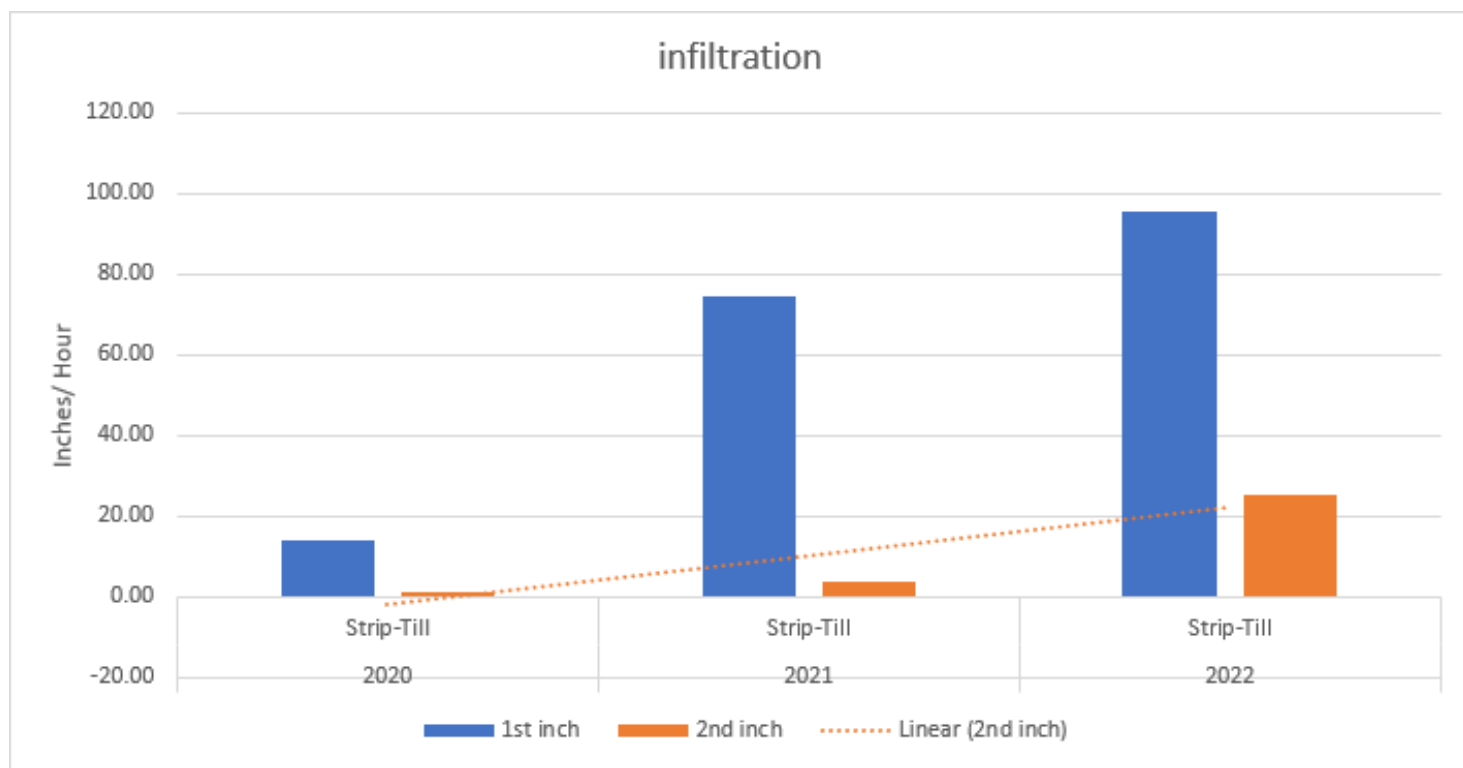
No-Tillage



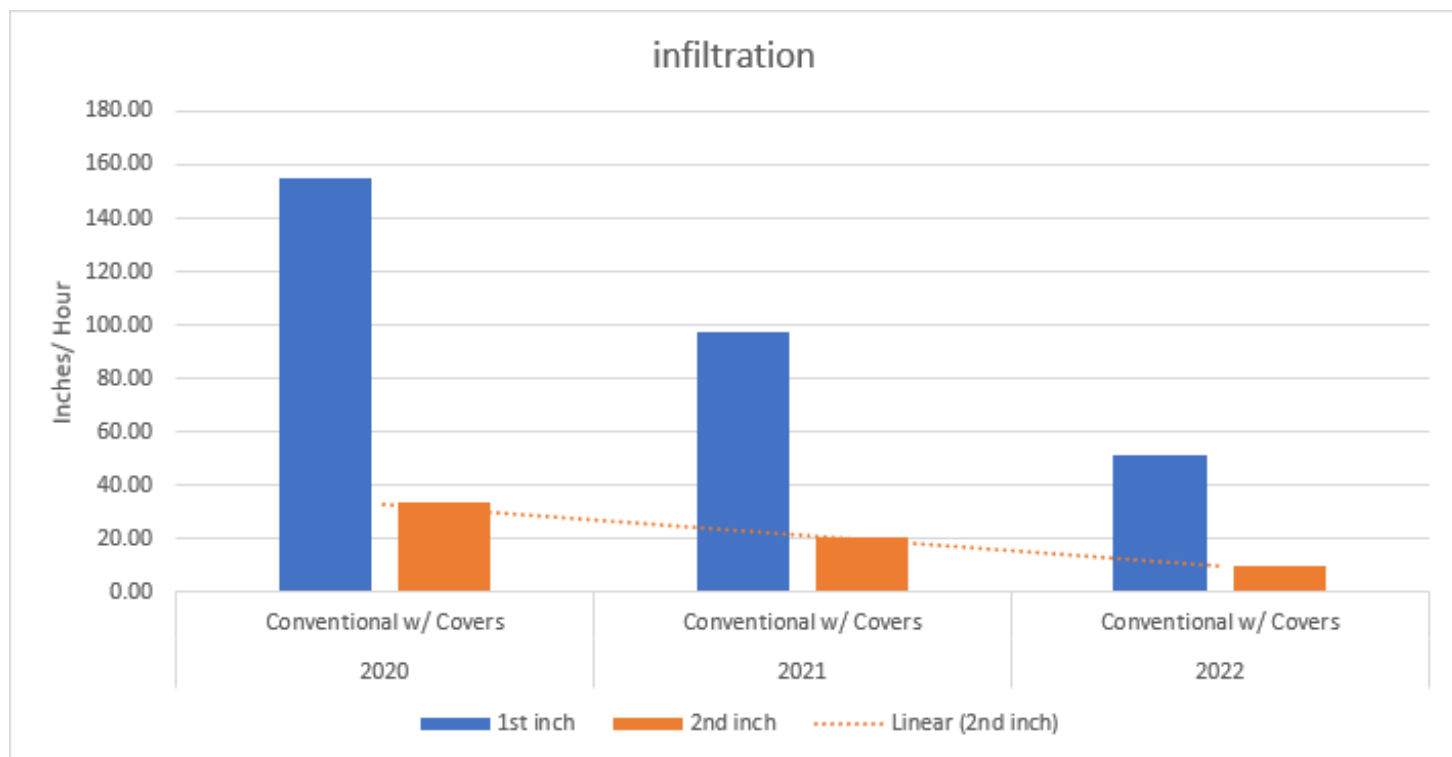
Strip-Tillage with Cover Crops



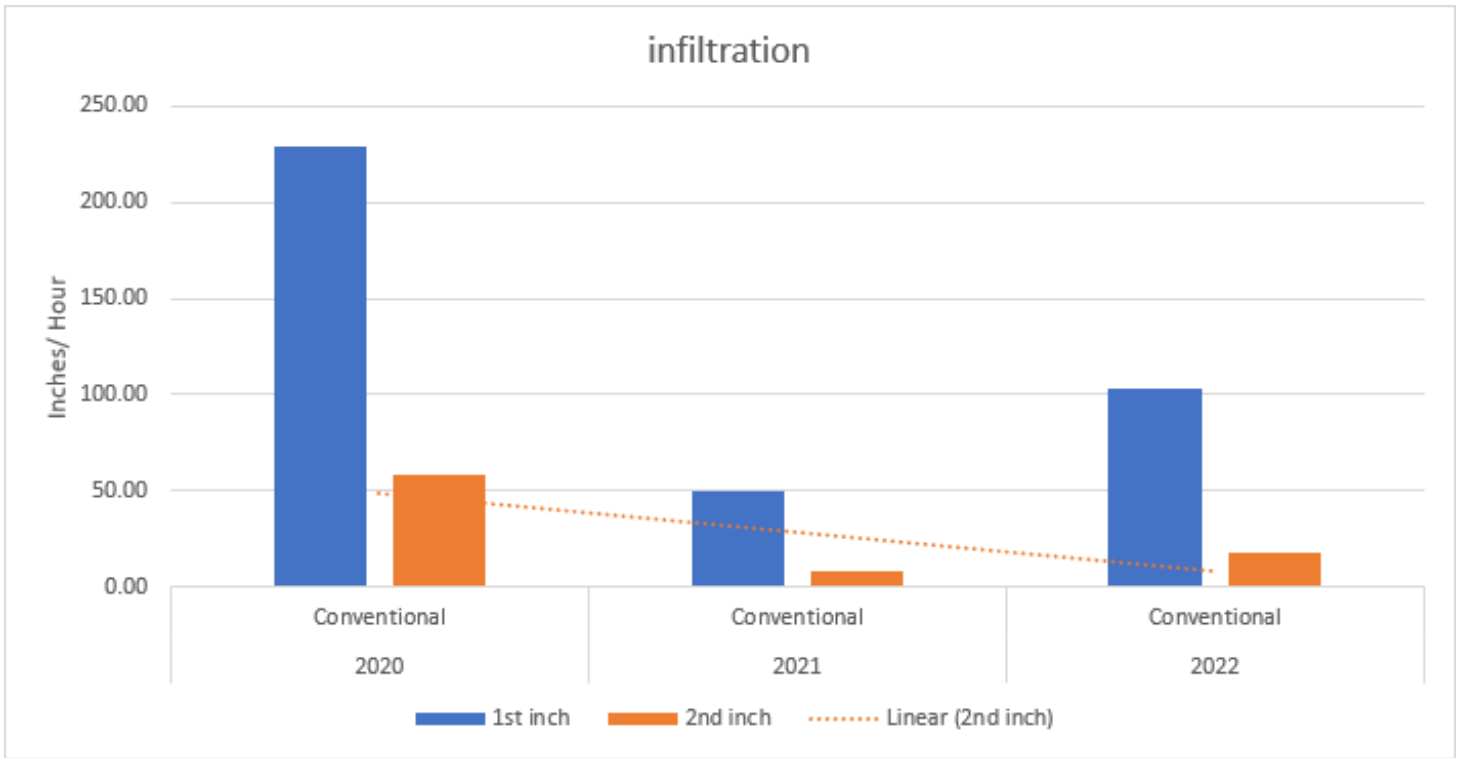
Strip-Tillage



Conventional Tillage with Cover Crops



Conventional Tillage



2020-2022 Per Plot Comparison per

