

Name _____

AGRIC 210 Soil Science - Richland Community College
Conservation Plan Lab

Students will work in teams of three to gather resource data on a 320-acre plot of land in Macon County Illinois. Using that data, and the soils knowledge learned during the semester in AGRIC 210, will develop a conservation farm plan.

Goals to consider-

Income for the landowners

Maintain and improve soil health, soil biodiversity and organic matter

Minimize soil erosion and impacts on surface water resources within the watershed

Increase farm ecosystem biodiversity

Resources

Macon County Soil survey map delineating farm boundaries

Web Soil Survey

Cover Crop Videos from previous class periods

Purdue Publications

AY-363-W [Four Strategies to Improve Your Field's Soil Health](#)

AY-366-W [How to Understand and Interpret Soil Health Tests](#)

WQ-43 [On-Farm Soil Monitoring for Resource Protection](#)

D2-4 Conservation Tillage Practices E-Unit www.MyCAERT.com

Course Text, Soil Science Simplified, Franzmeier, McFee, Graveel, Kronke, Waveland Press. 2016. Chapter 11 and 12.

Lecture PowerPoint, Chapter 12 – Soils and the Environment, previous lectures

NRCS – Soil Health Technical Note No. 450-06, Cropland In-Field Soil Health Assessment Guide USDA, 2021.