

Course Name: Crops 101 - Soil Loss Prediction - Water Erosion	
Course Coordinator: Jerry Grigar	Course Number: MI0152

Overview: Crops 101 is a series of courses designed to accomplish two objectives: provide new NRCS employees the opportunity to get their hands dirty down on the farm and gain experience in planning, planting, scouting and harvesting a crop. Students are expected to drive equipment, and calculate the breakeven point in a crop. Crop budgeting, real life production and marketing decisions are included so the student experiences all the decisions needed to "make it work" down on the farm. *The first course is Water Erosion Prediction.*

Purpose: This is for newer or older employees who are expected to compute soil loss calculation and evaluate alternative cropping and erosion control systems so land managers can make informed decisions

Prerequisites: Certified Crop Advisor Study Guide self review material

Duration: 9 months and a total of 6-10 days from March through December.

Target Audience: NRCS employees and partners engaged in conservation planning

Expected Outcomes: Students will be able to compute soil loss, offer alternative conservation management systems, and explain how the major field crops are planned, planted, harvested and marketed.

Resources needed: Old clothes and work boots. Computers for RUSLE 2 access.

Outline for: Soil loss Prediction- water erosion

FOTG- Soil Loss Prediction section USLE/RUSLE/ RUSLE 2 history, use an misuse

Review Section I - Erosion Prediction of the FOTG.

Field Visit to measure slope Length and per cent

Make Calculations with RUSLE 2