

Course Name: Crops 101 - Soil Loss Prediction - Wind Erosion	
Course Coordinator: Jerry Grigar	Course Number: MI0153

Overview: Crops 101 is a series of six courses held from March through December 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 second course is Soil loss Prediction - Wind Erosion.**

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 to control wind erosion on cropland.

Prerequisites:, Certified Crop Advisor Study Guide, Review FOTG Sec I Wind Erosion Prediction

Duration: 1 day March or April.

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 in crop rotations are planned, planted and the effects this has on wind erosion prediction.

Resources needed: Old clothes and work boots. FOTG Section I -Wind Erosion Prediction.

Outline for: Soil loss Prediction- wind erosion

FOTG- Soil Loss Prediction section Wind erosion

Wind Erosion Soil loss documentation policy

Classroom presentations on section I and wind erosion slides/ videos

Make Calculations with WEQ for wind erosion soil loss

Crop Residue impact on wind erosion

Develop alternative Residue Management Systems and Conservation Tillage Systems for the major crops

Wind erosion job sheets used in conservation planning

Field calculations to determine edge effect and wind erosion soil erosion rates and plan wind erosion control alternatives.