Soil Erosion – Caused By Water Concern With Solutions

Soil is known as one of the five natural resources that are important to maintain, sustain and conserve. Good soil is essential to our survival. Without it, not enough food can be produced for people or animals.

- √ Soil
- ✓ Water
- ✓ Air
- ✓ Plants
- ✓ Animals







Soil has two main forces that cause movement that is known as soil erosion.

- ✓ Water
 - ❖ Raindrops impacting unprotected soil, dislodging a soil particle that then is swept away by mowing water.
 - Sometimes just the volume of water rushing by erodes soil.
- ✓ Wind
 - Wind blows hard enough on unprotected soil, dislodging soil particles that are then swept away by the wind.

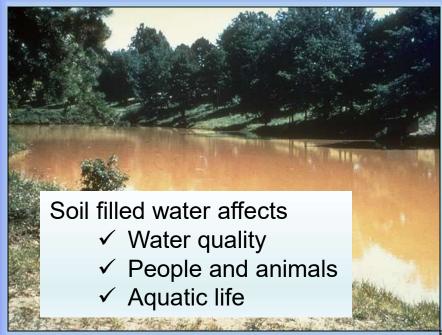
>>>The focus of this module is soil erosion due to WATER <<<

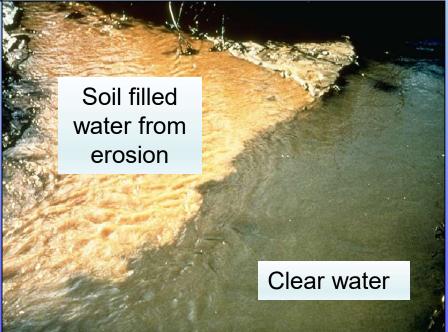




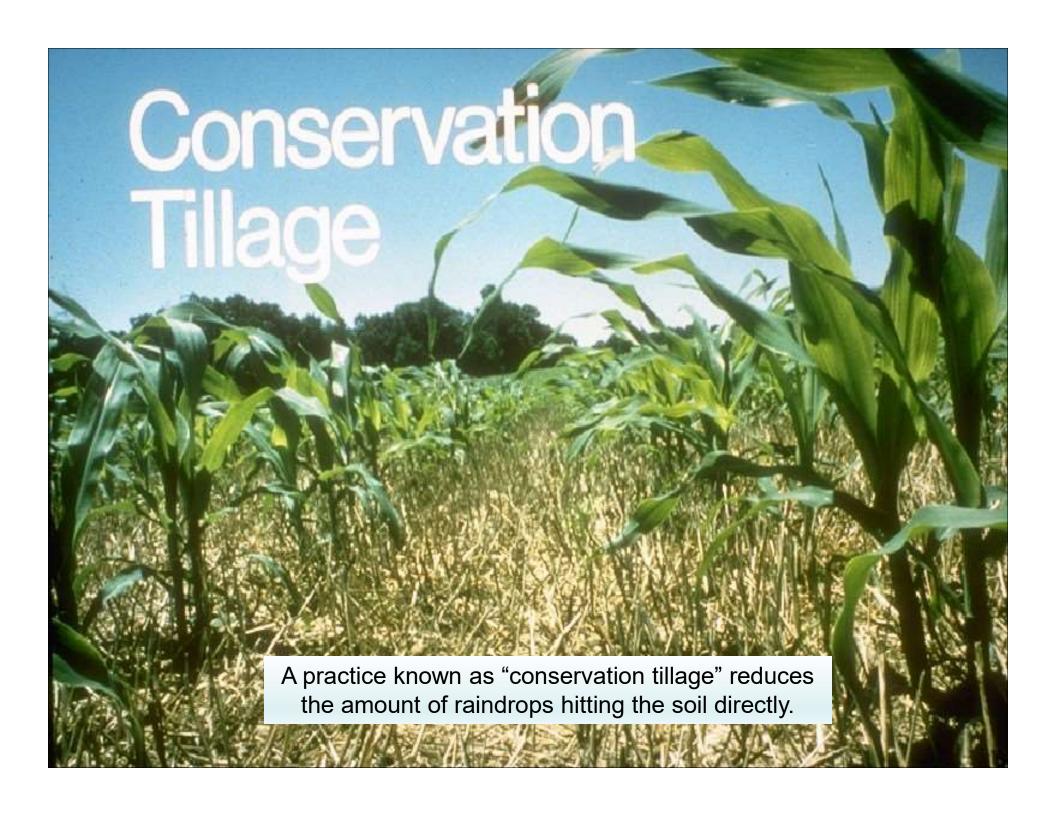


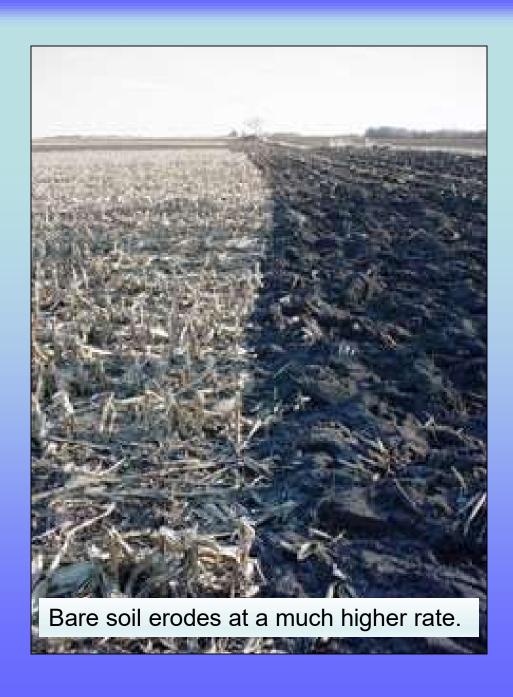




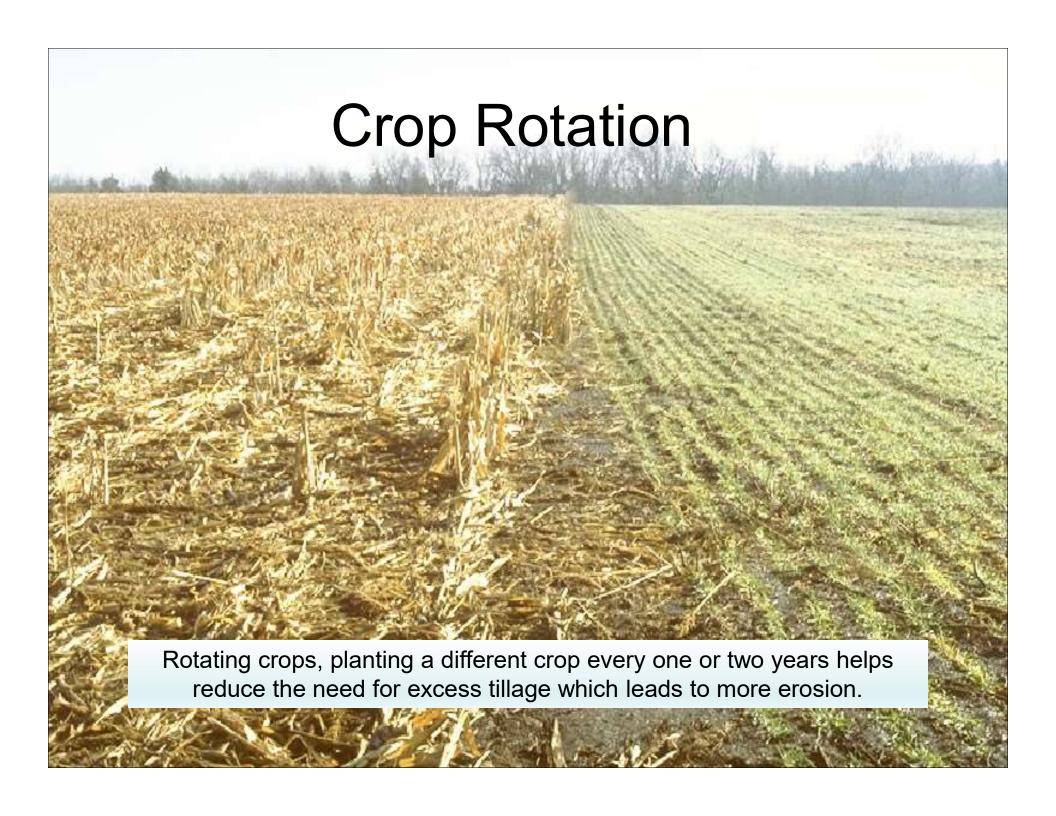








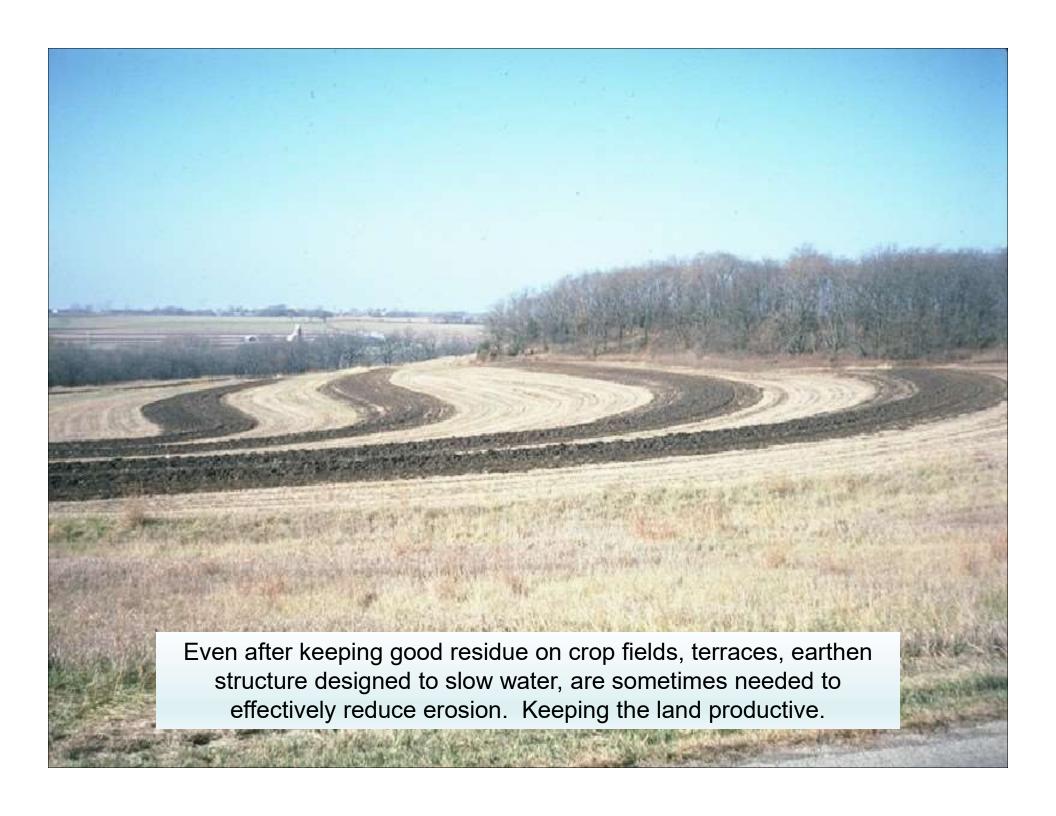




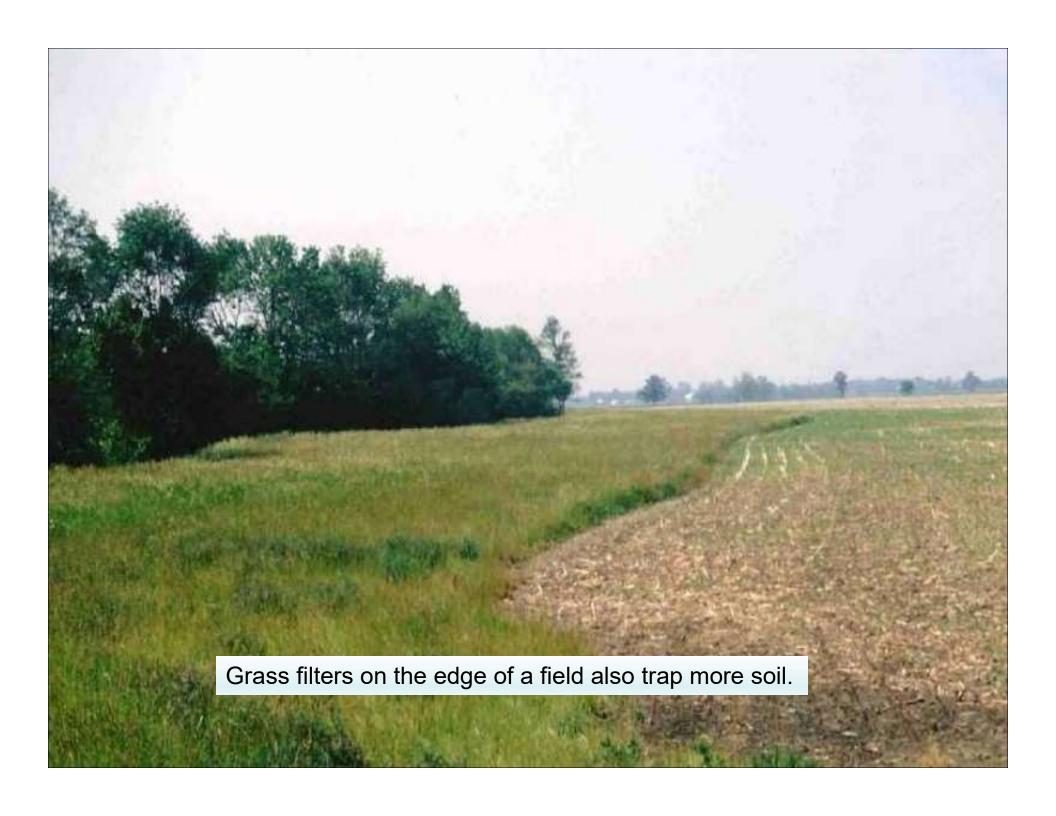
















Soil Erosion



1950's

Land Treatment

- Conventional tillage leaving very little residue after planting.
- No terraces and waterways.
- Erosion estimates, 20 to 40 tons per acre per year.



2000's

Land Treatment

- No-till planting leaving 50 to 80 percent residue after planting.
- Field with terraces and waterways.
- Erosion estimates, 2 to 4 tons per acre per year.

Source: USDA - Natural Resources Conservation Service, RUSLE2

Using these basic conservation practices and others that can be chosen has obtained tangible results.

