Introduction to Section 5 (5b – Cover Crops)

Green Manure Cover Crops:
- Reduces water evaporation
- Protect against soil erosion
- Increase soil organic matter
- Improve soil structure and tilth
- Recycles and adds nutrients
- Improve soil health and diversity
- Reduce weed pressures
- Reduce soil temperatures for roots and soil biota
- Can be grazed
- Reduces N inputs

Diverse Cocktail Seeding Mix (ND):
- Cow Pea 10 #
- Soybean 15 #
- Pearl Millet 6#
- Sudan Grass 3 #
- Corn 0.5 #
- Sunflower 2 #
- Turnip (Pasja) 1 #
- Radish 2 #
- Sweet Clover 1 #

2006 Production on the Burleigh County Soil Conservation District Plot:
- Oilseed Radish 1260 Lbs.
- Purple Top Turnip 1513 Lbs.
- Pasja Turnip 2070 Lbs.
- Soybean 1496 Lbs.
- Cowpea 1914 Lbs.
- Lupin 1232 Lbs.
- Cocktail Mix (1/2 Rate) 4785 Lbs.
- Cocktail Mix (Full Rate) 4350 Lbs.

Cover Crops
Different roots for different effects

Diversity in the Cropping System:
- Cool-Season Grass
- Cool-Season Broadleaf
- Warm-Season Grass
- Warm-Season Broadleaf

Agronomy Tech Note 76 (http://www.nm.nrcs.usda.gov/technical/handbooks/iwm/nmiwm.html)