Inches of Available Water on 5/6/08 Following the 2007 Cover Crop (ND):

Summary
No Cover Crop = 3.11 Inches
Cover Crop = 3.07 Inches
Difference = 0.04 Inches

Introduction to Section 5 (5b – Cover Crops)

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

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

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.

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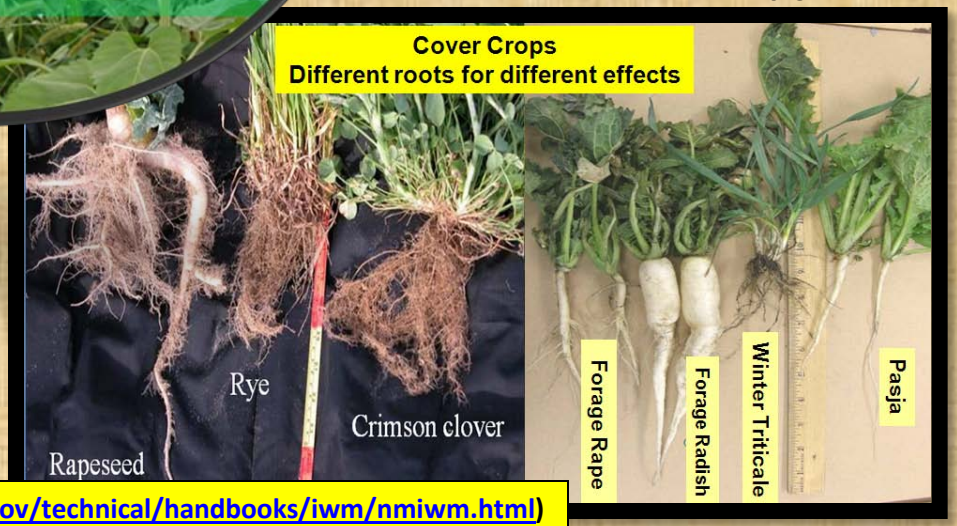
Biodrilling with Forage Radish

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 #



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