COVER CROPS IN ANNUALLY CROPPED ROTATION

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CEREAL CROPPING SYSTEMS
Annual Cropping with Cover Crops

- Two management regimes
  - Full and Reduced Fertility
  - Fallow, 2, 5, 8, 12 way species mixes
- Cover crops, winter wheat, cc, spring barley, cc, spring peas, ww
Spring Planted Cover Crop Mixes

2-Way + 5-Way + 8-Way + 12-Way
Spring Cover Crops
Direct Seeding Winter Wheat - Fall 2014

- Dry Conditions
- Residue an issue but...
  - Volunteer bindweed bound in shanks
• Abrupt Hard Winter
• High PPT Events
• Vole Damage
Harvest

7/27/15
Winter Wheat Crop Results

No Significant Interactions Between Treatments
Planting Cover Crop Mixes – Fall 2015
Fall Planted Cover Crop Mixes

2-Way + 5-Way + 8-Way + 12-Way
Emergence: Peas and Oats...

Other species less consistent...
Do Cover Crops in Rotation... Affect Annual Crop Performance Reduce Fertilizer Requirements?