Cover Crops for Managing Soil Health Constraints

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"Blending Ag Profitability While Enhancing the Environment"
Issues

• Timing of Planting Covers
• Precision Planting
• Increasing Diversity
• Adding manure
• Neonicks seed treatment—unintended consequences
Air seeder with 2 tanks
Precision planting - 15” row planter
Bio Strip Till
Planting
Strip till into covers
High Clearance Seeder
High Clearance Seeder-90’ boom
Seeded 8/23  Corn Harvested 9/21
Annual Ryegrass, Crimson Clover & Radishes
Air seeder on combine
Seeding While Combining
Cocktail Mixes
Cover Crop Cocktail
Seeded after wheat in Indiana

- 13 way cocktail mix

Legumes
- Cow Peas
- Cahaba Vetch
- Sunn Hemp
- Crimson Clover
- Yellow Blossom Clover

Grasses
- Oats
- Sorg-Sudan
- Millet

Brassicas
- Rapeseed
- Turnips

Broadleaves
- Sunflowers
- Buckwheat
- Phacelia
Planting Into Cover Crop Cocktail - 13 way mix
Side Dressing Corn in 12 way mix
Aerial Seeding Annual Ryegrass
Air seeder on combine
Terry Taylor’s continuous NT corn w/ hairy vetch system
Penn State Interseeder
Quebec Inter seeder
Corn at V4-V7
Interseeding at V5
Interseeding Results
Interseeding

- Annual rye, radish, crimson clover broadcast at 20 lb on June 15th into 6 leaf collar corn.
- Rained on June 20th.
- 5 weeks without rain in July and Aug.
- Corn harvested Sept 28th.

Grand Ridge, IL (20 mi. S of I-80, 20 mi. E of I-39)
Oil Seed Radish
Thank you

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