

Cover crops and their benefits

- Erosion Control
- Nutrient Capture/Cycling
- Improve Soil Health
- Water Management
- Increase Biodiversity
- Balance C:N Ratio
- Nitrogen Fixation
- Reduce Compaction
- Weed Suppression
- Provide Forage/Grazing





















Rod Zessin Prevented Planting acres drilled August 19th



11.10.2010 23:05



Missouri River Bottoms – Flooded 2011



Cover crops to stimulate soil life and provide residue – Corn 2012

No Cover

75# Oats

40# Oats

40# Peas

210.8 bu/A

241.3 bu/A

244.5 bu/A



2003 6 4



05.27.2008







(Derpsch, 2005)











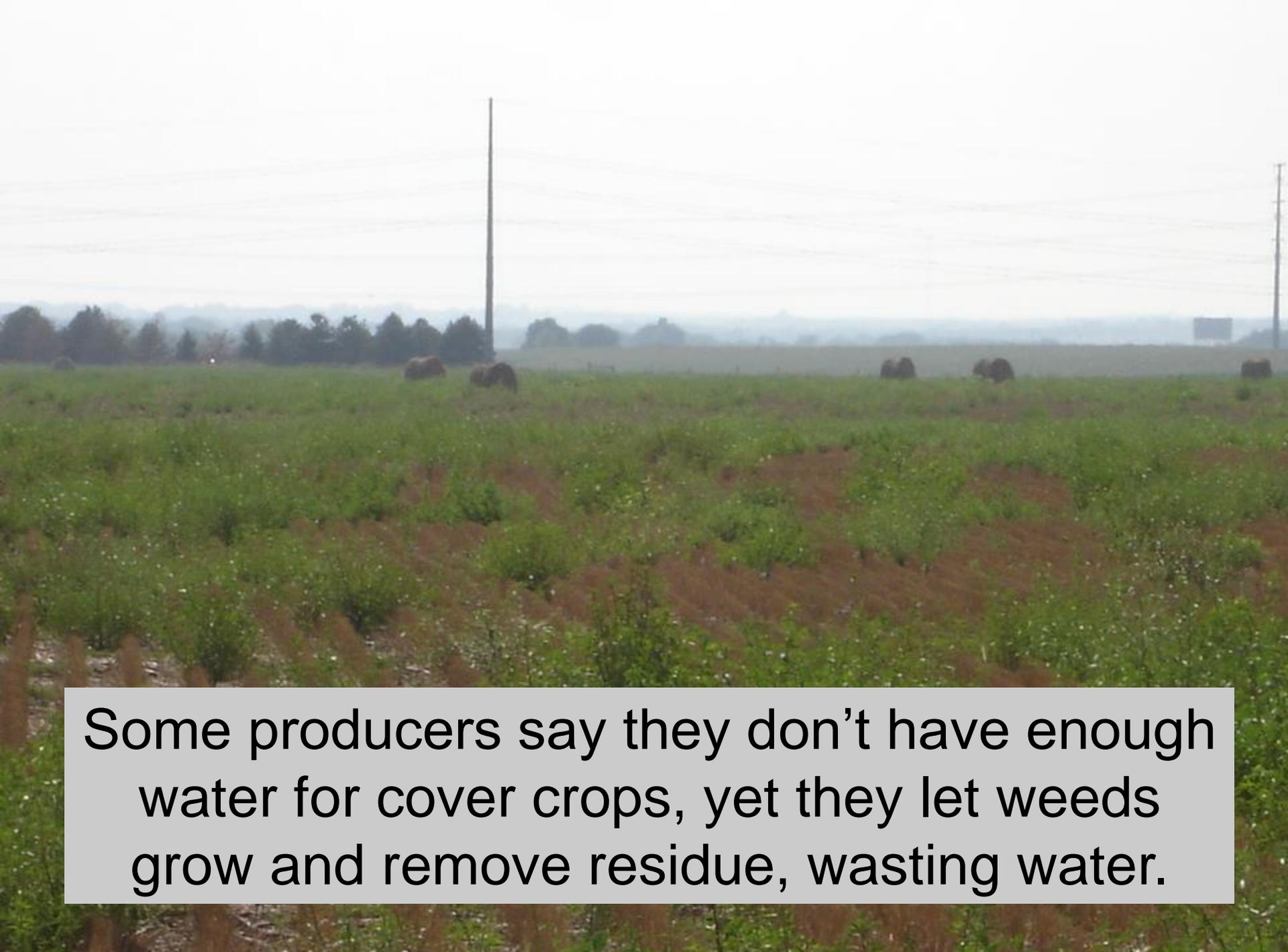












Some producers say they don't have enough water for cover crops, yet they let weeds grow and remove residue, wasting water.













Diverse 14-way Mix

Sunn Hemp

Chickling Vetch

Cowpeas

Forage Peas

Soybeans

Forage Sorghum

Pearl Millet

Black Oats

Spring Oats

African Cabbage

Rapeseed

Clemson Okra

Buckwheat

Selby Flax



Compaction Fighter Mix

A. Winter Peas
Hairy Vetch
Chickling Vetch
Soybeans
Elbon Cereal Rye
Rockford Oats

Pearl Millet
African Cabbage
Rapeseed
Daikon Radish
Buckwheat
Safflower



Nitrogen Fixer

Cowpeas

Mung Beans

Kinman Guar

Common Vetch

A-Winter Peas

Crimson Clover

Sunn Hemp

Soybeans

Pearl Millet

Nitro Radish

Buckwheat



High Residue Mix

Forage Sorghum

BMR Corn

Spring Oats

African Cabbage

Shelby Flax

Clemson Okra

Sesame Seed

Sunflower



Early Season Grazing

Cowpeas

Mung Beans

Soybeans

Sorghum Sudan

Pearl Millet

BMR Corn

Nitro Radish

P-Top Turnips

Forage Collards

Buckwheat

Okra & Squash

Sunflower



Late Season Grazing

A-Winter Peas
Chickling Vetch
Forage Sorghum
Spring Oats
Cereal Rye

Nitro Radish
P-Top Turnips
Forage Collards
Sunflower



