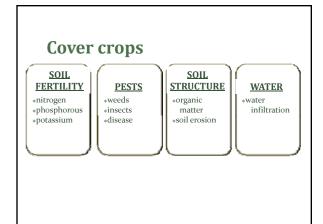
Cover Crops for Organic Production

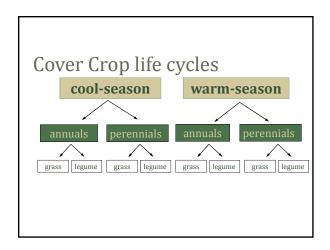
Dr. Gary Bates Forage Specialist Plant Sciences



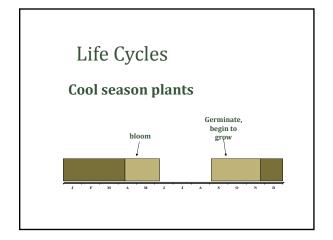
Cover crops

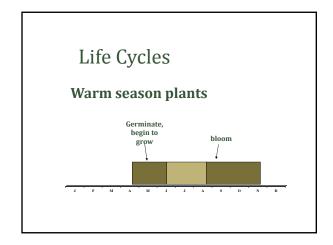
- Any plant(s) grown as ground cover. Generally used to improve some condition associated with sustainable agriculture.
 - Pests
- Soil structure
- Soil fertility
- Water

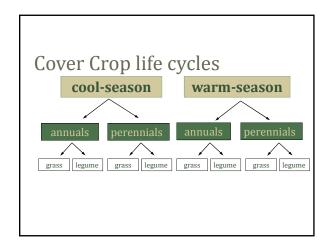




Life Cycles Annuals - germinate, grow, bloom in 1 growing season - usually easier to kill Perennials - live more than one year - more difficult to kill



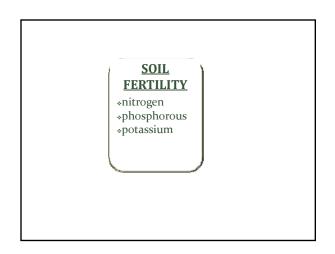


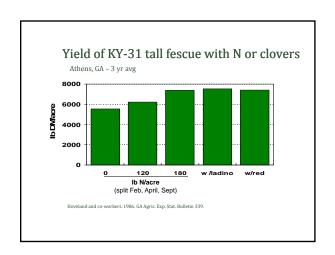


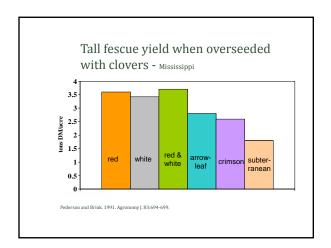
Legume species

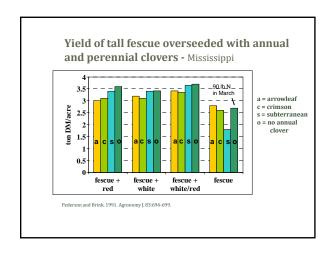
Perennials white arrowleaf red berseem alfalfa persian subterranean crimson vetch Austrian winter pea

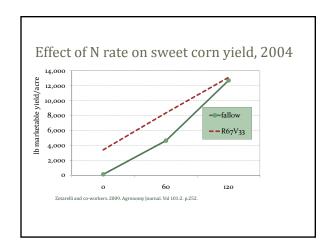
Non-legume species Perennials Annuals tall fescue rye orchardgrass wheat oats annual ryegrass Brassicas

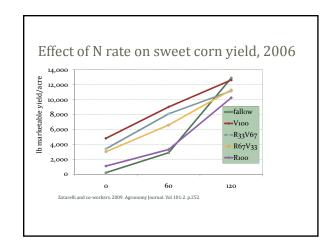


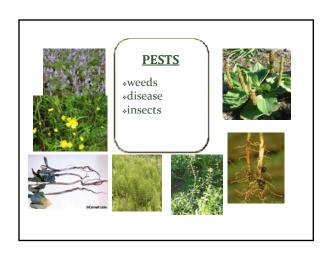


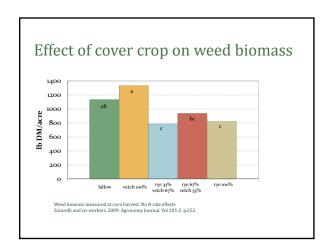


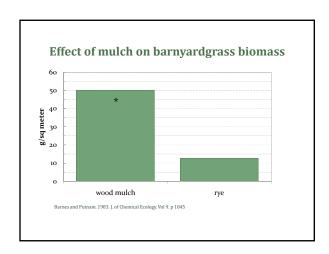


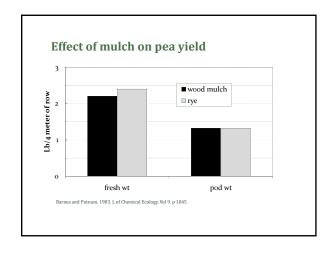


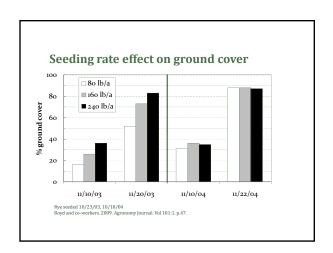


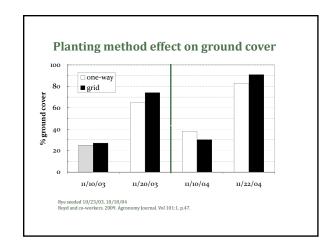


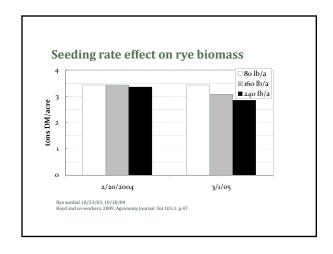


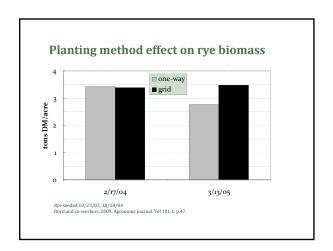


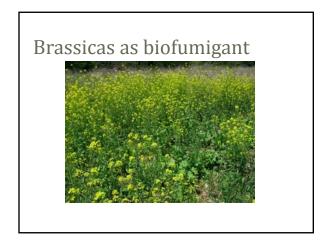


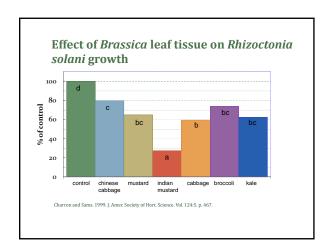


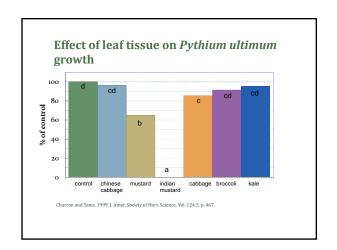


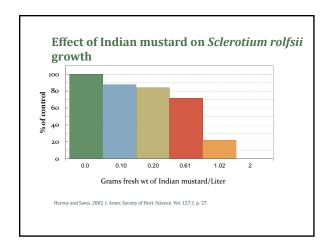










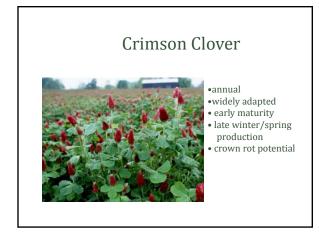


Species For Cover Crops

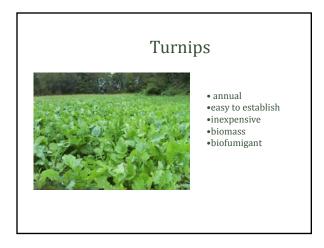


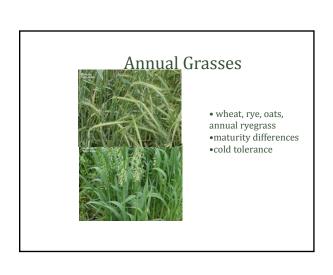


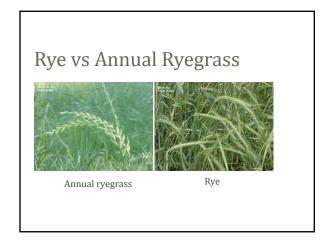


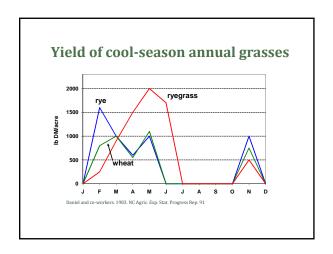
















Considerations

- Crop to be planted
- Maturity differences between cover species
- Ease of killing
 - mowing vs rolling
- Nitrogen
- Weed control
- Disease