



Potential challenges Timing of kill and land preparation (may delay planting) Incorporation (cover crop, equipment) Nitrogen tied-up and slow release (grasses) Weeds if poor stand Used up soil moisture Cool soil in spring May provide habitats for pests

Selection and mixtures

- Objective(s) and season
- Nitrogen (legumes)
- Nutrient capture/recycle (grasses, brassicas, others)
- Organic matter (grasses)
- Bio-fumigant (brassicas)
 Erosion (all)
- Weed suppression (grasses, legumes)











Grasses (biomass, scavenge)	
 Winter – Rye 	 Good scavengers
– Wheat – Barley – Others	 Biomass: – 1 to 5 ton/acre
Summer	 Weed suppression
– Sorghum Sudan grass – Millet	Erosion









Brassicas (soil health)	
 Good scavengers 	
 Natural fumigants 	
 Hard pan 	
Erosion	

























No till planting Irrigation Slow growth

















Plasticulture and nutrients



Shredding and plastic mulch



Subsequent cash crop Grasses (sorghum) tie-up nutrients Legumes promote growth



