

# Tillage and Residue Retention Influences on Wheat Grain Yield and Soil Moisture Content in Groundnut-Wheat Cropping System in Semi-Arid Western India

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## Experimental Treatments :

### Treatments:

#### Main plot:

1. Normal tillage (groundnut)-normal tillage (wheat)
2. Minimum tillage (groundnut)-zero tillage (wheat)
3. Zero tillage (groundnut)-zero tillage (wheat)

#### Subplot:

- 1.No crop residue application
- 2.Wheat stubble & residue retention
- 3.Wheat stubble & residue retention + *Cassia* biomass application

**Replications:** 03

**Design:** split plot design



Fig. 1 Practices followed in groundnut-wheat CA system

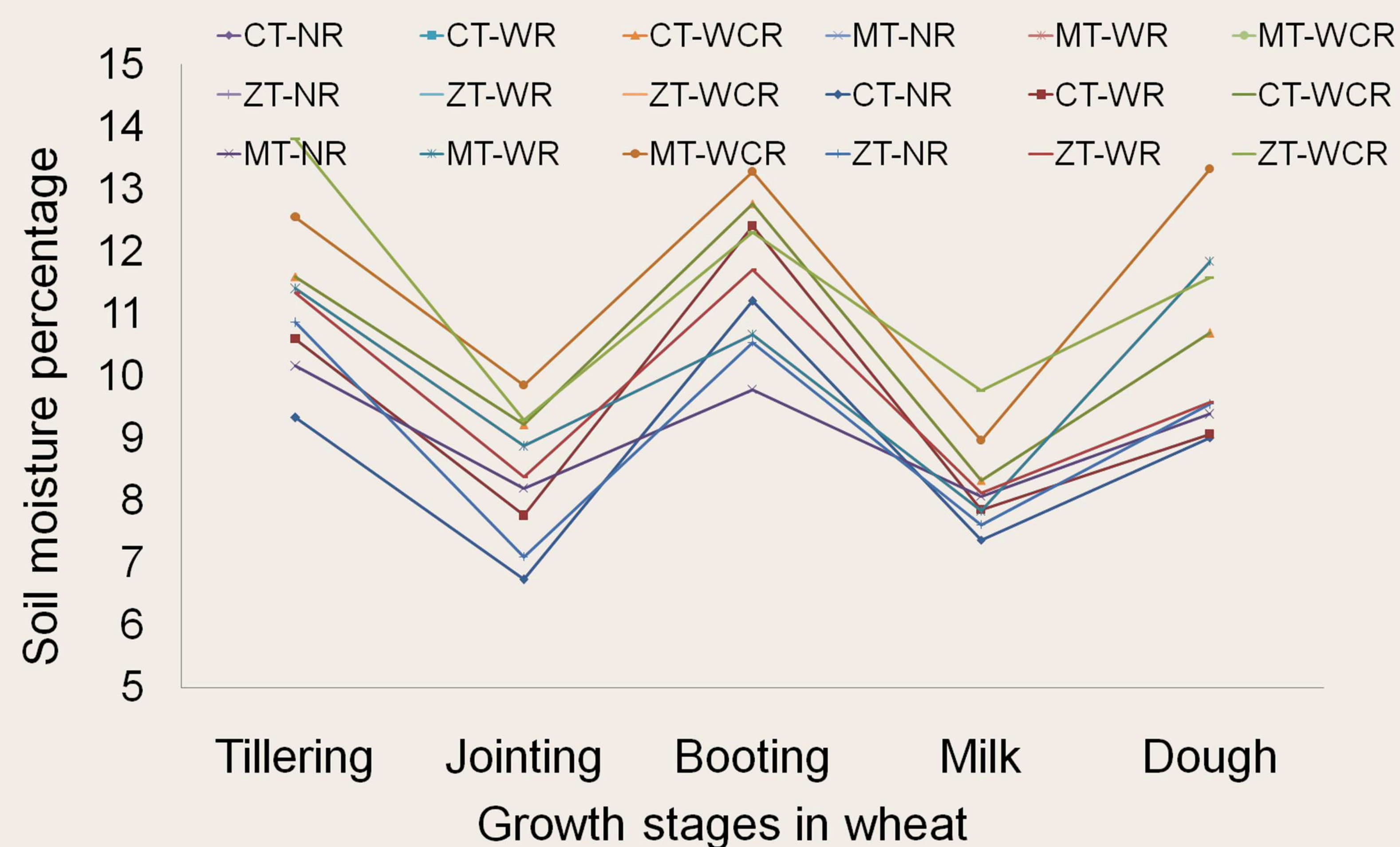


Fig. 3 Effect of tillage and residue management practices on soil moisture content during wheat growing period

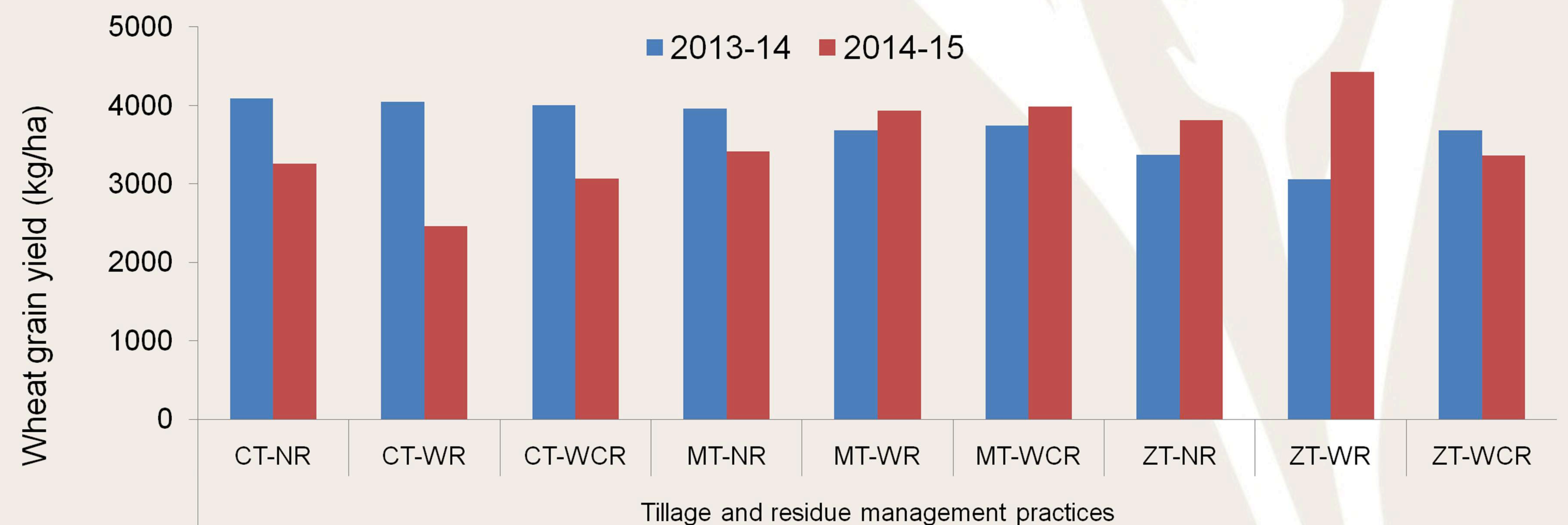


Fig 2. Wheat grain yield as influenced by tillage and residue management practices.