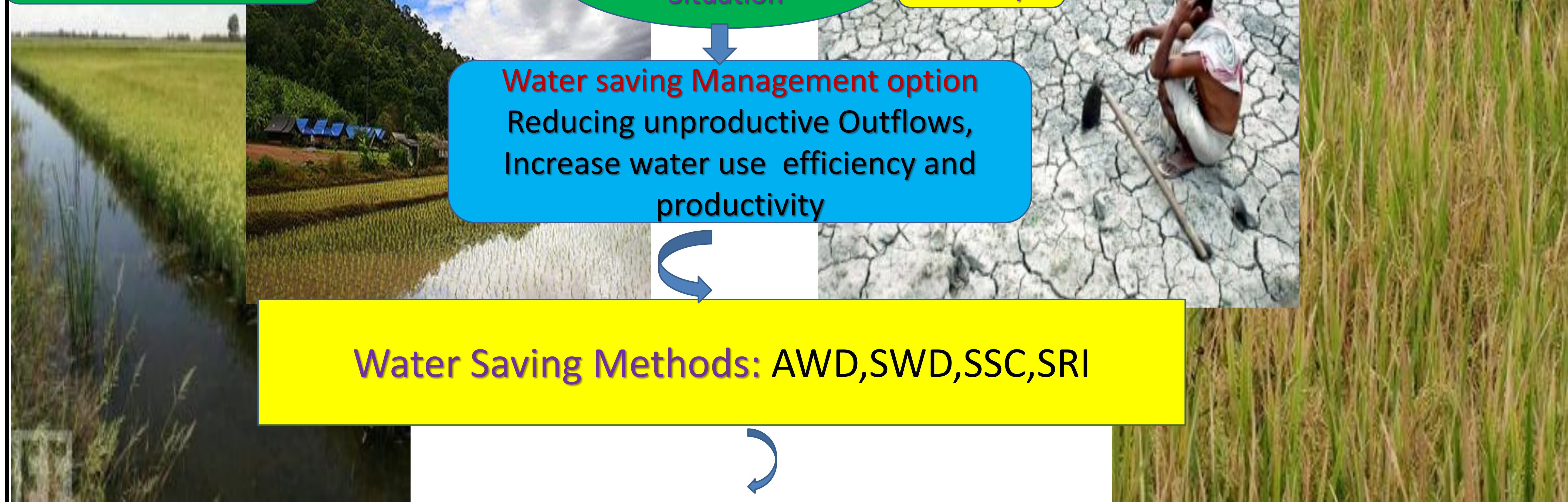


# Effect of Water Management and Spacing on Growth and Yield of Rice



Basu Dev Regmi

## Introduction



**System of Rice Intensification(SRI):** New method of water saving rice cultivation with shallow water, transplanting of younger seedlings and wider spacing . Popular in tropics, less adoption in temperate region.

## Objective

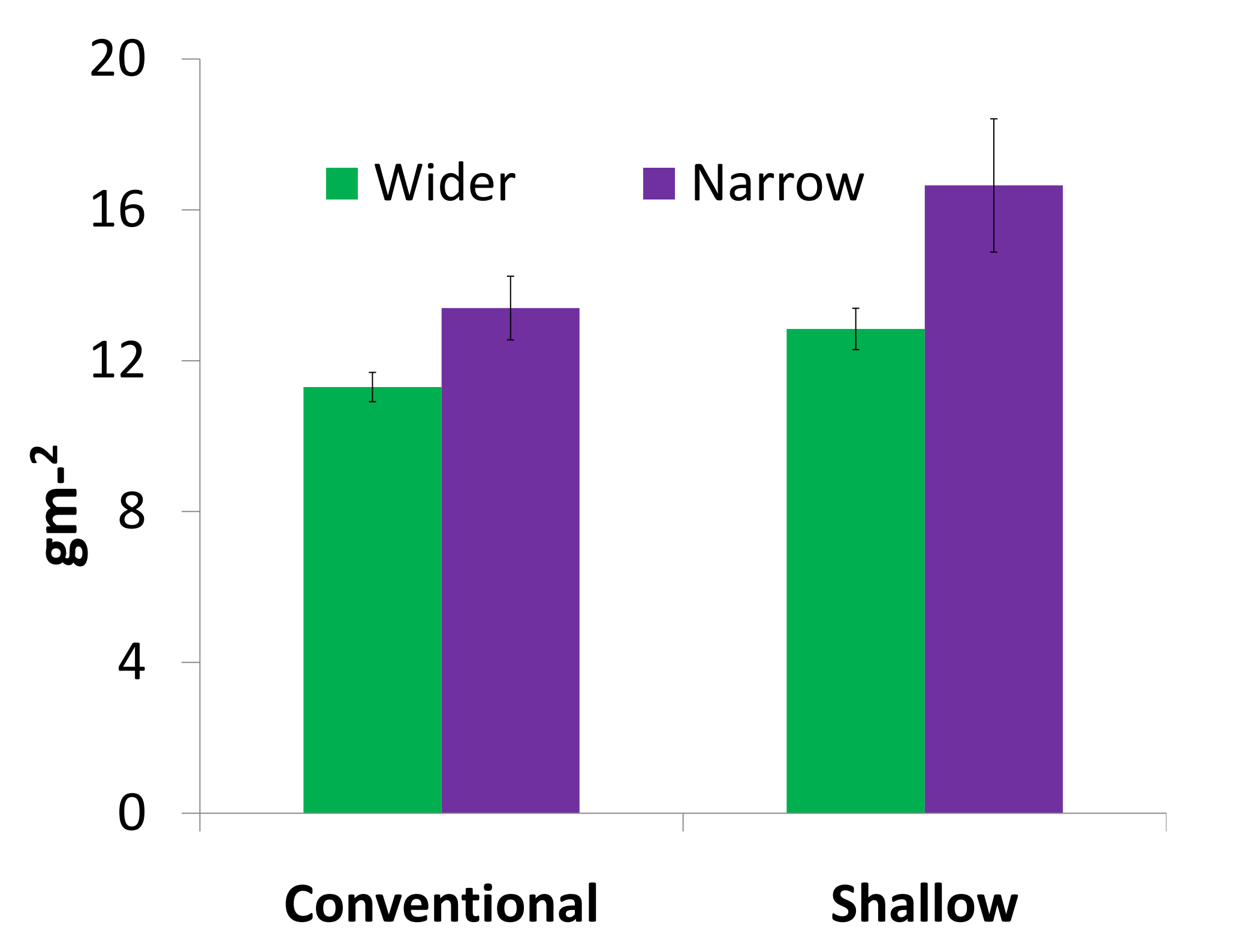
To find out the effect of Shallow water management and Spacing on growth and yield of rice in temperate condition.

## Materials & Methods

**Treatments:** Water Management (Shallow, Conventional) × Spacing [(Wider 30\*30), Narrow (30\*15)]  
 Water Management : **Shallow** {Reproductive -Early Maturity 1-2 cm, Vegetative 1-2cm with wetting – drying} **Conventional** {Vegetative-Maturity 5-6cm except Mid Season Drainage}

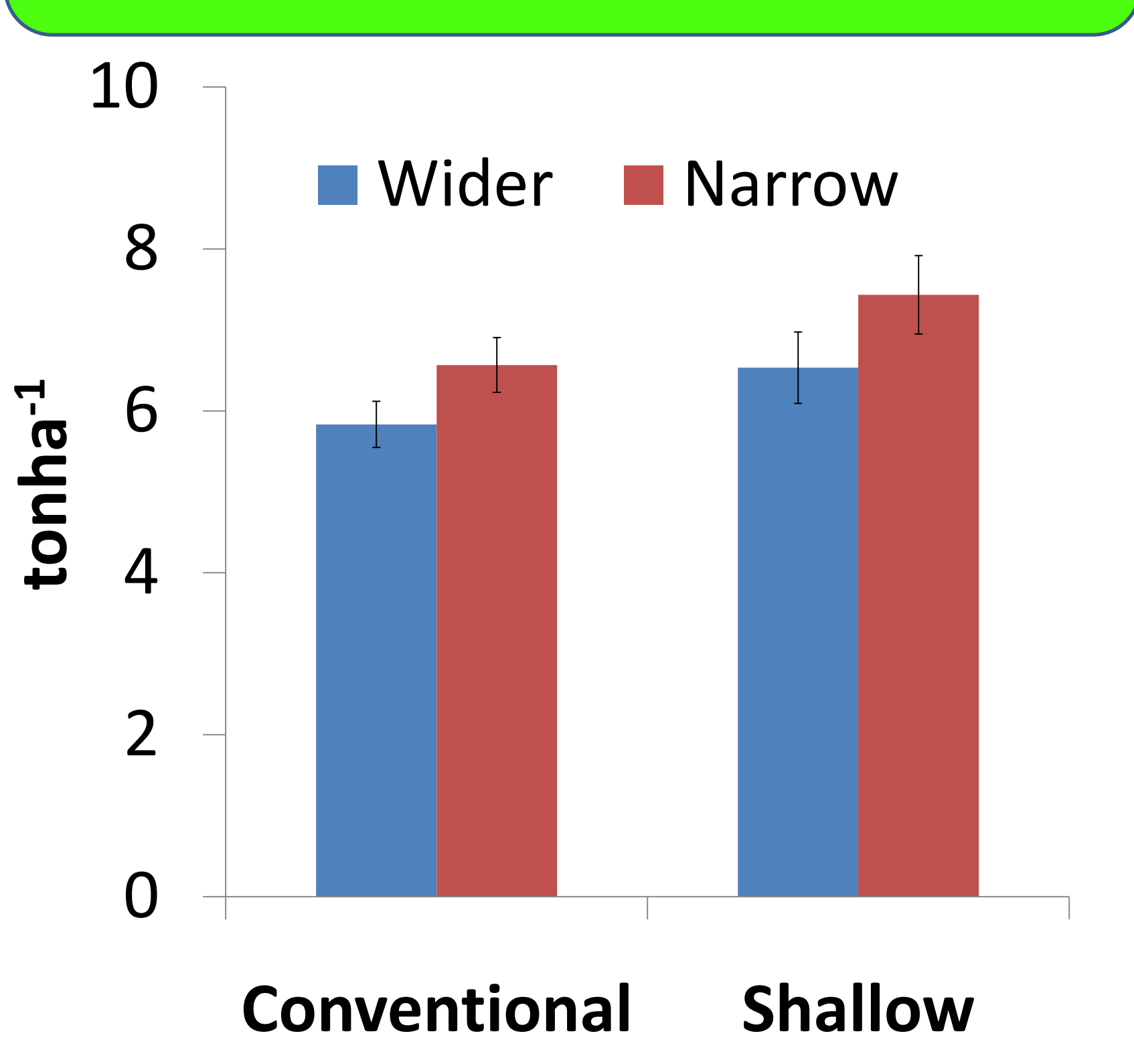
## Result & Discussion

### Nitrogen Uptake



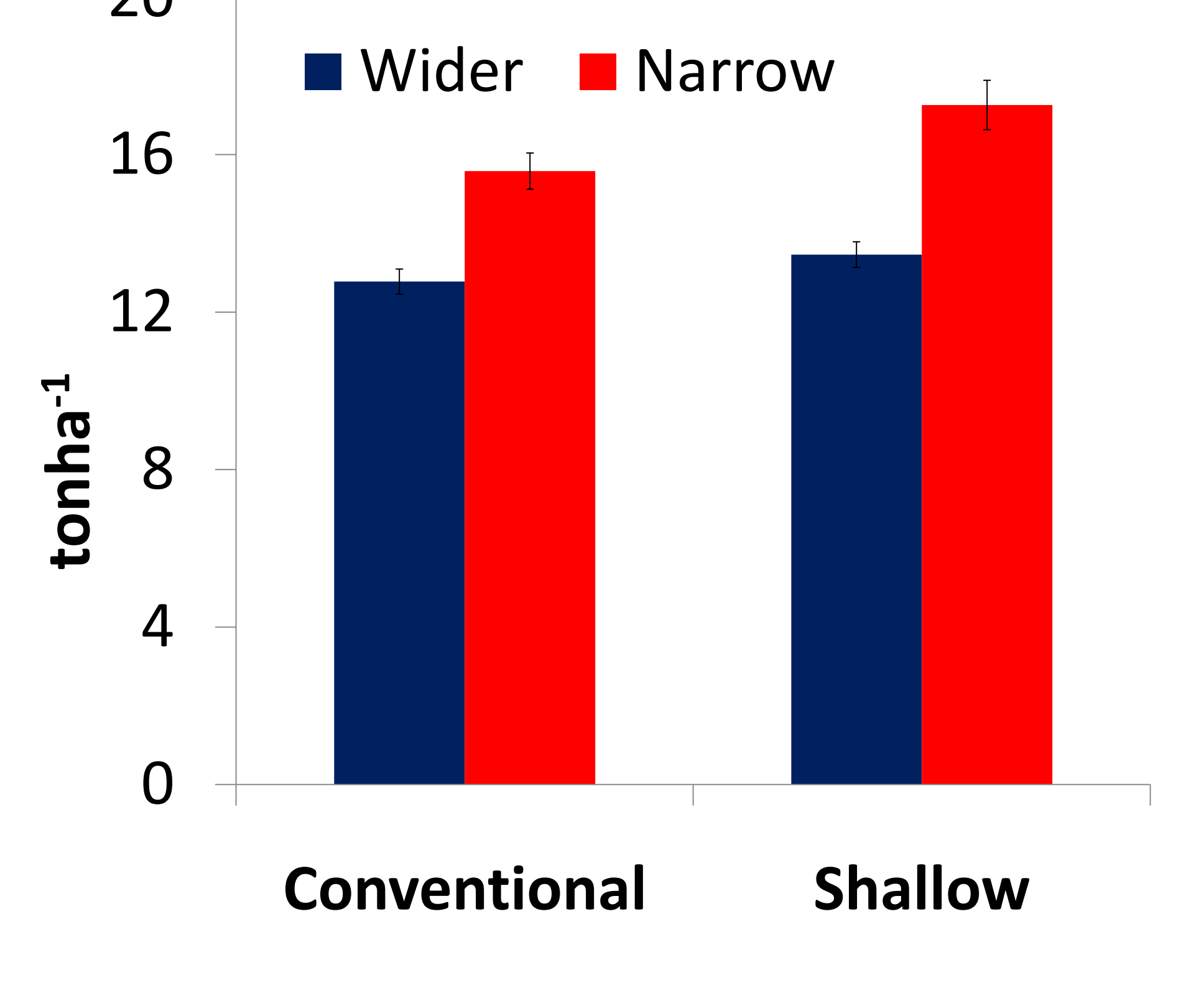
Higher N uptake in Shallow water & Narrow Spacing

### Brown Rice Yield



More Brown Rice Yield in Shallow Water Management

### Dry matter Production



Higher Dry matter Production in Shallow water & Narrow Spacing

## Conclusion

**System of Rice Intensification(SRI) - No Reduction in Rice Yield.**