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Effect of Water Management on Root Activities, N Uptake and Yield of Rice

Introduction





Rice production needs to be increase with reduced water application **Reduced 'climate-forcing' practices.** more eco-friendly develop То management practices in the rice sector.

Increasing productivity and quality of rice

Controlling nitrogen absorption Reducing non - productive tiller Increasing lodging resistance **Keeping oxidative soil condition** Maintaining / promoting root activity

Objective

To know the relationship between water management and root activity

Materials and Method

Experiment 1: Early mid-season drainage (EMSD)-water drained from DAT 26 to 36, mid-season drainage (MSD)-

water drained from DAT 36 to 46 & Flooded, replication 3 Experiment 2: Water management-shallow & conventional, Spacing-30cm x 30cm & 30cm x 15cm, replication 3

Results: Experiment 1





Conclusion

Water management (MSD & shallow water) could be helpful for root physiological activity which ensure better growth and yield depending on soil and nutritional conditions.