

GROWTH AND YIELD OF CABBAGE (*BRASSICA OLERACEA* VAR. *CAPITATA* L.) UNDER MULCH WITH DRIP IRRIGATION IN RAICHUR CONDITION

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Abstract: An experiment was conducted to investigate the effect mulch and without mulch with three level of drip irrigation viz, 80% 100% and 120% ET and furrow irrigation on cabbage growth and yield under Raichur climate. The study showed that the drip irrigation saved water at the levels of 80, 100 and 120 per cent ET over furrow irrigation system was found to be 62.06, 54.50 and 46.94 per cent respectively. The better plant growth, more number of leaves per plant and higher leaf area were observed in under plastic mulch with drip irrigation. The highest yield was recorded in 100% ET with mulch plot (92.95 t ha⁻¹) and lowest yield was observed in furrow irrigation without plastic mulch (50.64 t ha⁻¹). The plastic mulch increased the yield 8.82% more than the without plastic mulch field.

Keywords: Cabbage, Growth, *Brassica oleracea*

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