## Comparative estimation of evapotranspiration

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**ABSTRACT :** The temporal and spatial variation in evapotranspiration values could have been influenced by location specific measurement conditions or by bias in weather data collection. The reference evapotranspiration (ETo) was estimated using five ETo estimation methods *i.e.* Pan evaporation model (Epan), Hargreaves-Samani Model (H-S), Blaney-Criddle (B-C), Priestley Teylor and Penman-Monteith (PM-56) for Akola (Maharashtra). Based on good correlation and lower RMSE value, Penman Montieth FAO-56 and Pan model (Epan) is recommended to estimate ETo for Akola station.

Key Words : Evapotranspiration, correlation, RMSE value, correlation, RMSE value, Penman Montieth FAO-56, Pan model.