DEVELOPMENT OF GROWTH MODEL FOR PREDICTION OF PRECIPITATION

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ABSTRACT : Daily point rainfall data for period of 20 years was collected for Akola station (Maharashtra) and used for probability analysis following Weibul's method. The logistic model was developed and tested at probability level of 25%, 50% and 75%. The logistic model gave reliable prediction at this probability levels when compared with actual data. It can be used for rainfall prediction while irrigation and crop planning.

Key Words : Precipitation, Weibul Method, Logistic Model, Prediction.