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A CASE
STUDY

Estimation of yearly, monthly and weekly drought for Aurangabad district of Maharashtra

■ S.H. JEDHE, S.B. JADHAV AND V.P. MANDALE

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SUMMARY : The rainfall distribution of Aurangabad district of Maharashtra state is quite erratic in space and occurrence of drought is common. In this study 21 years (1991-2011) of rainfall data of Aurangabad district have been analyzed on yearly, monthly and weekly basis for predicting the water drought, normal and surplus events for crop planning in the region. Weekly drought normal and surplus events give a more precise idea about crop planning than yearly and monthly events. The analysis has revealed that the percentage of drought weeks was more than normal and surplus weeks. It has been also revealed that there is a need of assured supplemental irrigation facility in *Rabi* and summer season crops.

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