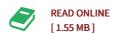




Estimation of Evapotranspiration and Water Productivity

By S, Karthika B. / H, Ramesh

Book Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Using Remote Sensing Data | Evapotranspiration from the earth's surface is an important component that affects regional water resources and irrigation practices. Particularly in paddy fields, it is important to estimate the rate of evapotranspiration to make decision on proper water management and irrigation schedules. Remote sensing is used to manage irrigated command area extensively as it gives information on land use, irrigated area, crop type, crop yield, etc., both spatially and temporally. The derived information from remote sensing will be analyzed using geographic information system (GIS). Hence the objective of present study was to estimate the evapotranspiration using ArcSWAT and CROPWAT model in Bhadra command area and also, water productivity of the irrigated area. A GIS interface ArcSWAT and CROPWAT models were applied to part of Bhadra command area located between Shimoga and Davanagere district, Karnataka State, India. Evapotranspiration, irrigation water requirement, crop water requirement and water productivity were calculated using ArcSWAT and CROPWAT softwares. | Format: Paperback | Language/Sprache: english | 76 pp.



Reviews

The publication is fantastic and great. It really is basic but shocks from the 50 percent from the ebook. Its been written in an remarkably easy way in fact it is only soon after i finished reading this ebook in which really changed me, alter the way in my opinion.

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Very helpful for all type of individuals. It is amongst the most incredible ebook i have got study. I am just very easily could get a satisfaction of reading a composed publication.

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