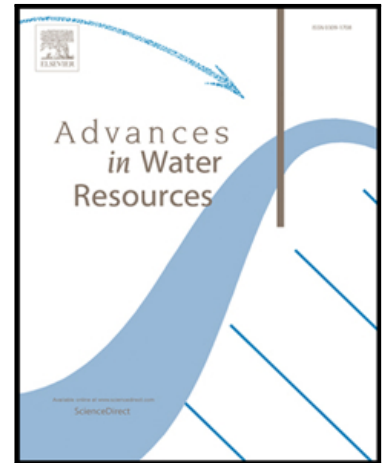


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Improving root-zone soil moisture estimations using dynamic root growth and crop phenology

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Highlights

- A WEB-SVAT model is extended to a multi-layer model with dynamic root distribution
- Impacts of plant root variations and phenological cycle are considered in new model
- Measurements collected from two sites are used to validate the new model
- New model provides improved soil moisture, transpiration and evaporation predictions

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