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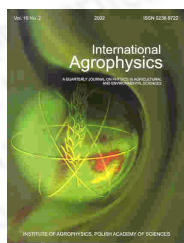
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ACCESS-II: a detailed model for crop growth and water conditions

[\(get PDF !\[\]\(56549452e01ca28bdf2500ced9653143_img.jpg\)\)](#)A.C. Armstrong¹, J-P. Legros², M. Voltz²¹ ADAS Land Research Centre Gleadthorpe, Meden Vale, Mansfield, Notts. NG20 9PF, UK² Science du Sol, Institut National de la Recherche Agronomique, 2 Place Viala, 34060 Montpellier Cedex 1, France

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abstract ACCESS-II contains a detailed model of crop growth and soil water use, for use within small areas and with detailed soil and cropping data. The principles behind the detailed model are described. Validation studies of water movement are shown at two sites in England, and of crop growth in Southern France, together with an example of the impacts of climate change on crop growth.

keywords model, soil water use, crop growth, climate change

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