

Modelling Water And Nutrient Dynamics In Soil-crop Systems

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Preface; Modelling water and nutrient dynamics in soil-crop systems: a comparison of simulation models applied on common data sets; K. C. Kersebaum, et al. The performance of the model AMBAV for evapotranspiration and soil moisture on Mncheberg data; H. Friesland and F-J. Lpmeier. Performance of the model SIMWASER in two contrasting case studies on soil water movement; E. Stenitzer, et al. Application and validation of the models Theseus and Opus with two field experimental data sets; M. Wegehenkel and W. Mirschel. Integrating a spatial micrometeorological model into the risk assessment for arable crops in hilly terrain; M. Acutis, et al. Modelling soil-crop interactions with AGROSIM model family; W. Mirschel and K-O. Wenkel. Crop simulation model of the second and the third productivity levels; R.A. Poluektov and V.V. Terleev. The NDICEA model, a tool to improve nitrogen use efficiency in cropping systems; G-J. H.M. van der Burgt, et al. Simulation of water and nitrogen flows on field scale; application of the SWAP-ANIMO model for the Mncheberg data-set; J. Kroes and J. Roelsma. Evaluation of water and nutrient dynamics in soil-crop systems using the eco-hydrological catchment model SWIM (Soil and Water Integrated Model); J. Post, et al. Modelling water and nitrogen dynamics in soil-crop systems with HERMES; K.C. Kersebaum. Calibration and Validation of CERES model for Simulating Water and Nutrients in Germany; A.S. Nain and K.C. Kersebaum. The impact of crop growth model choice on the simulation of water and nitrogen dynamics; E. Priesack, et al. Simulating trends in crop yield and soil carbon in a long-term experiment effects of rising CO₂, N deposition and improved cultivation; J. Berntsen and B.M. Petersen. Comparison of methods to estimate inert carbon for initializing the CANDY model; M. Puhlmann, et al. Mncheberg field trial data set for agro-ecosystem model validation; W. Mirschel, et al. Dynamics of water, carbon and nitrogen in an agriculturally used Chernozem soil in Central Germany; U. Franko, et al. The lysimeter station at Berlin-Dahlem; H. Diestel, et al. EAN/ISBN : 9781402044793 Publisher(s): Springer Netherlands Format: ePub/PDF Author(s): Kersebaum, Kurt Christian - Hecker, Jens-Martin - Mirschel, Wilfried

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