Identifying Hydrologic Processes in Agricultural Watersheds Using Precipitation-Runoff Models: Usgs Scientific Investigations Report 2009-5126 (Paperback)

By Rone Shavers, Joshua I Linard, David M Wolock

Bibliogov, United States, 2011. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.Understanding the fate and transport of agricultural chemicals applied to agricultural fields will assist in designing the most effective strategies to prevent water-quality impairments. At a watershed scale, the processes controlling the fate and transport of agricultural chemicals are generally understood only conceptually. To examine the applicability of conceptual models to the processes actually occurring, two precipitation-runoff models - the Soil and Water Assessment Tool (SWAT) and the Water, Energy, and Biogeochemical Model (WEBMOD) - were applied in different agricultural settings of the contiguous United States. Each model, through different physical processes, simulated the transport of water to a stream from the surface, the unsaturated zone, and the saturated zone. Models were calibrated for watersheds in Maryland, Indiana, and Nebraska. The calibrated sets of input parameters for each model at each watershed are discussed, and the criteria used to validate the models are explained. The SWAT and WEBMOD model results at each watershed conformed to each other and to the processes identified in each watershed s conceptual hydrology. In Maryland the conceptual understanding of the hydrology indicated groundwater...

Reviews

This book is definitely not effortless to start on reading through but extremely fun to learn. Better then never, though i am quite late in start reading this one. It is extremely difficult to leave it before concluding, once you begin to read the book.
-- Aliya Franecki

The publication is simple in read easier to comprehend. It really is rally interesting throgh looking at time period. I found out this book from my i and dad suggested this pdf to discover.
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