

# **Irrigation Management: A Multi-media CD for Self-paced Learning. (A01-jovanovic090844-Oral)**

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## **Abstract:**

It is recognized that learning is facilitated through the stimulation of different senses when a variety of media is used for teaching. A multi-media package was developed for teaching principles and practices of irrigation management. The content of this course includes basics on the soil water balance, the soil-plant-atmosphere continuum, crop water requirements and irrigation scheduling, irrigation systems, fertigation and salinity management. The professional and structural design is used for visual stimulation through pictures, video clips, animations and computer software. The computer software linked to the package is based on the mechanistic, generic crop, Soil Water Balance (SWB) model. This user-friendly model that is used by researchers, irrigation consultants and farmers, is used to present case studies and complete problem-solving exercises. Questionnaires are also included at the end of each chapter. The course is easy to update, is self-paced and suitable for learners with differing backgrounds. The main target audience is tertiary level students, but the course is also suitable for teaching irrigation officers, consultants and farmers, as it includes two levels of complexity (basic and advanced). The package was presented to different audiences and the perception was positive. The programme is written in QUEST and available on CD.

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