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Deployment of wireless sensor networks (WSN) in automated irrigation management and scheduling systems: a review

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Abstract:

Wireless sensor networks (WSN) is an important and exciting technology with great potential for application in various fields including medicine, transportation, agriculture, industrial process control, global-scale environmental monitoring and precision agriculture. This paper reviews the application of WSN in automating irrigation management and rescheduling. Irrigation management and rescheduling based on WSN are potential solutions for optimum water management via automatic access to in-field soil moisture conditions and control of irrigation systems.