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The use of efficiency frontiers to evaluate the optimal land cover and irrigation practices for economic returns and ecosystem services

Kent Kovacs, Grant West, Ying Xu

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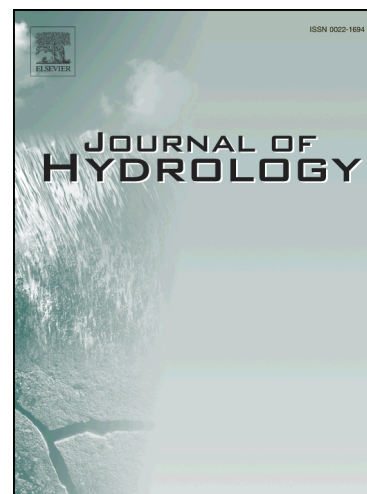
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The use of efficiency frontiers to evaluate the optimal land cover and irrigation practices for economic returns and ecosystem services

Kent Kovacs

Assistant Professor

217 Agriculture Building
University of Arkansas
Fayetteville, AR 72701
United States of America
Office: 479-575-2323
Fax: 479-575-5306
kkovacs@uark.edu

Grant West

Program Associate
University of Arkansas

Ying Xu

Research Fellow
University of Adelaide

Abstract

Efficiency frontiers are a useful tool for governmental agencies that balance the protection of ecosystem services with the economic returns from an agricultural landscape because the tool illustrates that a compromise of objectives generates greater value to society than optimizing a sole objective. Policy makers facing the problem of groundwater overdraft on an agricultural landscape want to know if regulations or irrigation technology adoption will enhance both economic and ecosystem service benefits. Conjunctive water management with on-farm

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