

Water International >

Volume 36, 2011 - Issue 4: Wastewater use in Agriculture: Economics, Risks and Opportunities

1,441 15

Views CrossRef citations to date Altmetric 2

Articles

Meeting the challenge of wastewater irrigation: economics, finance, business opportunities and methodological constraints

Dennis Wichelns ✉ & Pay Drechsel

Pages 415-419 | Published online: 10 Aug 2011

Cite this article https://doi.org/10.1080/02508060.2011.593732

Sample our Global Development journals, sign in here to start your access, latest two full volumes FREE to you for 14 days

Full Article

Figures & data

Citations

Metrics

Reprints & Permissions

Read this article

Abstract

Many farmers in developing countries use treated or untreated wastewater to irrigate crops, partly in designated irrigation schemes, but mostly on large areas of small farms located along streams passing through or near cities. Much of the wastewater use is informal and unplanned, as farmers divert water from streams that carry untreated or partially treated effluent from cities and towns. The farmers generate good revenue by selling fresh produce that otherwise might not be available in urban markets.

However, wastewater irrigation poses risks to human health, the environment, and consumer safety. Wastewater irrigation can contaminate crops and soil, and the decision to use wastewater for food, the we describe

About Cookies On This Site

We and our partners use cookies to enhance your website experience, learn how our site is used, offer personalised features, measure the effectiveness of our services, and tailor content and ads to your interests while you navigate on the web or interact with us across devices. You can choose to accept all of these cookies or only essential cookies. To learn more or manage your preferences, click "Settings". For further information about the data we collect from you, please see our [Privacy Policy](#).

Accept All

Essential Only

Settings

in this special issue the economics, finance, business opportunities, and methodological constraints that pertain to wastewater irrigation in developing countries.

Keywords: agriculture business models effluent farming livelihoods reuse

Notes

1.Stream water, which often is more diluted, might be less risky than water in canals and drainage ditches.

Related research

People also read

Recommended articles

Cited by
15



About Cookies On This Site

We and our partners use cookies to enhance your website experience, learn how our site is used, offer personalised features, measure the effectiveness of our services, and tailor content and ads to your interests while you navigate on the web or interact with us across devices. You can choose to accept all of these cookies or only essential cookies. To learn more or manage your preferences, click “Settings”. For further information about the data we collect from you, please see our [Privacy Policy](#).

Accept All 

Essential Only

Settings

Information for

Authors

R&D professionals

Editors

Librarians

Societies

Opportunities

Reprints and e-prints

Advertising solutions

Accelerated publication

Corporate access solutions

Open access

Overview

Open journals

Open Select

Dove Medical Press

F1000Research

Help and information

Help and contact

Newsroom

All journals

Books

Keep up to date

Register to receive personalised research and resources by email



Sign me up



Copyright © 2024 Informa UK Limited [Privacy policy](#) [Cookies](#) [Terms & conditions](#)

[Accessibility](#)



Taylor & Francis Group
an informa business

Registered in England & Wales No. 3099067
5 Howick Place | London | SW1P 1WG

About Cookies On This Site

We and our partners use cookies to enhance your website experience, learn how our site is used, offer personalised features, measure the effectiveness of our services, and tailor content and ads to your interests while you navigate on the web or interact with us across devices. You can choose to accept all of these cookies or only essential cookies. To learn more or manage your preferences, click “Settings”. For further information about the data we collect from you, please see our [Privacy Policy](#).

Accept All

Essential Only

Settings