

Health guidelines for the use of wastewater in agriculture and aquaculture: report of a WHO scientific group [meeting held in Geneva from 18 to 23 November 1987.

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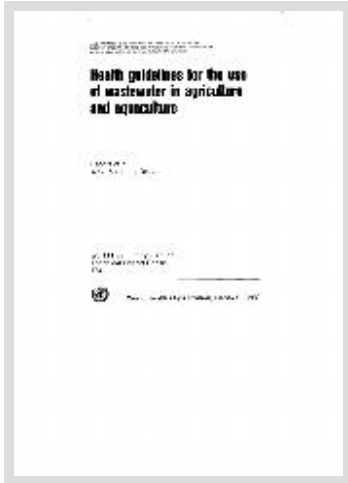
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Abstract

Issues revised technical and practical guidelines for the use of wastewater in agricultural irrigation, greenspace watering, and fish production in accordance with measures that protect the environment and safeguard against the transmission of disease. Representing the consensus reached by an international group of experts, the book introduces an approach to wastewater use that is at once less restrictive than previous guidelines and more realistic in terms of documented risks to health. Throughout, an effort is made to give water resource managers the evidence, quality indicators, and technical advice needed to exploit this valuable resource without

endangering public health. The book opens with a brief review of the origins of previous guidelines, experiences with their use, and reasons why their quality standards are now regarded as too restrictive in terms of bacterial indicators and inadequate in terms of their failure to protect against the major risk of helminth infections. The most extensive part of the book focuses on health problems and measures for protection. Tables, diagrams and charts help document specific problems in terms of the characteristics and environmental behaviour of excreted pathogens, survival times for pathogens in soil and on crops, measures of health risks, including the epidemiological concept of actual or attributable risk, and factors influencing the degree to which a potential risk posed by a pathogen can become an actual risk of disease transmission. Against this background, the book issues detailed effluent microbiological quality guidelines for agriculture, gives tentative guidelines for aquaculture, and outlines a series of health protection measures

Citation

WHO Scientific Group on Health Aspects of Use of Treated Wastewater for Agriculture and Aquaculture & World Health Organization. (1989) . Health guidelines for the use of wastewater in agriculture and aquaculture : report of a WHO scientific group [meeting held in Geneva from 18 to 23 November 1987] . Geneva : World Health Organization.

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Relation

World Health Organization technical report series ; no. 778

Description

74 p.

Identifiers

9241207787

Collections

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Language



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Türkçe

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Directrices para el uso sin riesgos de aguas residuales y excretas en agricultura y acuicultura : medidas de proteccion de la salud publica / preparadas por Duncan Mara y Sandy Cairncross

Mara, David Duncan; Cairncross, Sandy; World Health Organization; United Nations Environment Programme (1990)

En este libro se presenta y explica toda la serie de factores practicos y tecnicos que es necesario tener en cuenta al planificar, disenar y utilizar sistemas para el aprovechamiento sin riesgo de aguas residuales y excretas en agricul-tura y acuicultura. Se hace hincapie en las reper-cusiones practicas de los nuevos conocimientos que indican que actualmente es posible reutilizar las aguas residuales y las excretas sin riesgos para la salud. En consonancia con la importancia que se reco-noce cada vez mas a la conservacion de los recursos, ...

Caracterizacion de peligros de patogenos en los alimentos y el agua : directrices

Joint FAO/WHO Secretariat on Risk Assessment of Microbiological Hazards in Food; WHO Food Safety Programme (2003)

L' utilisation des eaux usees en agriculture et en aquaculture : recommandations a visees sanitaires, rapport d' un groupe scientifique de l' OMS [reuni a Geneve du 18 au 23 novembre 1987]

WHO Scientific Group on Health Aspects of Use of Treated Wastewater for Agriculture and Aquaculture; World Health Organization (1989)

Ce livre publie les nouvelles directives techniques et pratiques en matiere d'utilisation des eaux usees dans l'irrigation agricole, l'arrosage des espaces verts et l'agriculture, conformement aux mesures de protection de l'environnement et aux mesures de lutte contre la transmission des maladies. Ce livre propose une formule d'utilisation des eaux usees qui tient compte des risques reels pour la sante afin de fournir aux responsables de la planification des ressources en eau les elements d'appréciation, les indicateurs de qualite et ...

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