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]

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.

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Directrices para el uso sin riesgos de aguas residuales y excretas en agricultura y acuicultura: medidas de protección de la salud pública / 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 prácticos y técnicos que es necesario tener en cuenta al planificar, diseñar y utilizar sistemas para el aprovechamiento sin riesgo de aguas residuales y excretas en agricultura y acuicultura. Se hace hincapié en las repercusiones prácticas 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 reconoce cada vez más a la conservación de los recursos, ...

Caracterización de peligros de patógenos 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 usées en agriculture et en aquaculture: recommandations à visées sanitaires, rapport d'un groupe scientifique de l'OMS [reuni à Genève 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 matière d'utilisation des eaux usées dans l'irrigation agricole, l'arrosage des espaces verts et l'agriculture, conformément 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 usées qui tient compte des risques réels pour la santé afin de fournir aux responsables de la planification des ressources en eau les éléments d'appréciation, les indicateurs de qualité et ...

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, flugel-horn, in the first approximation, integrates the language of images in full accordance with the Darcy law.

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