FOOD SAFETY ISSUES

Surface decontamination of fruits and vegetables eaten raw: a review

prepared by

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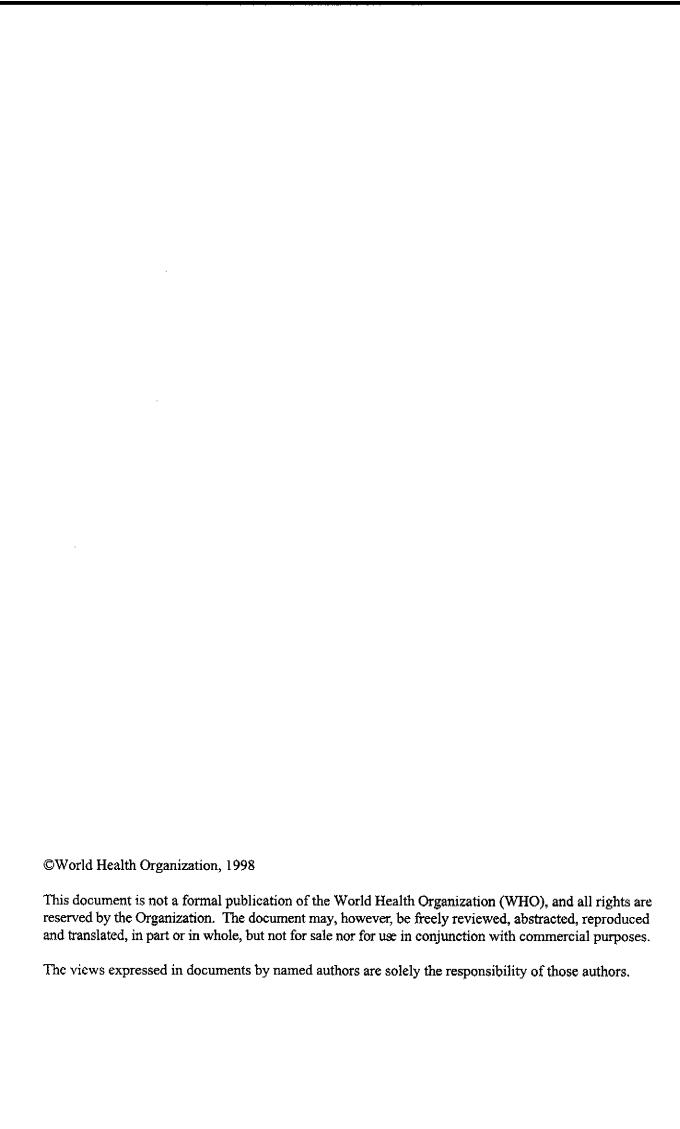
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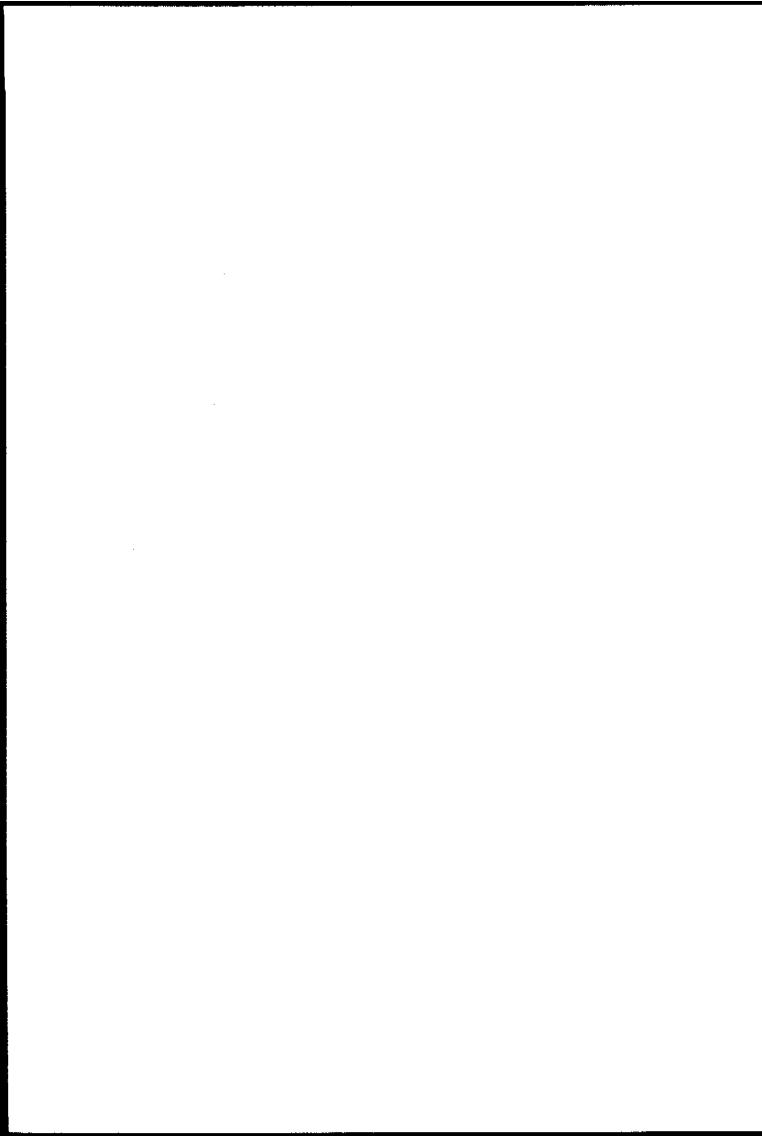
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Preface

Prevention of contamination is the most efficient way to ensure food safety and prevent foodborne illness. Thus, every effort should be made to protect food from primary sources of contamination. This is, however, not always possible. Raw foodstuffs, particularly fruits and vegetables grown close to the soil, may be contaminated with various foodborne pathogens.

In some countries, chemical disinfectant agents are used to decontaminate the surface of fruits and vegetables, in addition to washing with water. It is not clearly known to which extent these agents are effective, what their optimum conditions of use are, and whether they have adverse toxicological effects.

The present document attempts to provide an insight into some of these concerns. It presents a review of pathogens associated with fruits and vegetables and a literature review of studies carried out to investigate the efficacy of a range of methods used for surface decontamination. However, it does not review the potential adverse effects of using chemical disinfectants. Further work is needed on this subject. Therefore, the document should not be seen as a recommendation of the use of chemical disinfectant agents for surface decontamination of fruits and vegetables.



Acknowledgements

 Γ AO and WHO would like to acknowledge with thanks the contribution of the following persons in reviewing the document:

Simin Abrishami, National Sanitation Foundation (NSF) International, USA

Martin R. Adams, University of Surrey, United Kingdom

Judit Beczner, KEKI (Central Food Research Institute), Hungary

Bob Buchanan, US Department of Agriculture, USA

Jorge Chirife, Ciudad Universitaria, Argentina

Dean O. Cliver, University of California, USA

Joseph A. Cotruvo, National Sanitation Foundation (NSF) International, USA

John Crowther, Colworth Laboratory, United Kingdom

Caj Eriksson, IUFoST, Sweden

Jeffery Farber, Health Canada, Canada

Owen Fennema, University of Wisconsin-Madison, USA

Dilma Scala Gelli, Instituto Adolfo Lutz, Brazil

Arie H. Havelaar, RIVM (National Institute of Public Health & the Environment, Netherlands

Robert E. Harrington, National Restaurant Association, USA

Michael Heinzel, Henkel KGaA, Germany

George Jackson, Food and Drug Administration, USA

Paisan Loaharanu, International Atomic Energy Agency, Austria

Bert van Klingeren, RIVM (National Institute of Public Health & the Environment), Netherlands

Tai Wan Kwon, INJE University, Korea

Morris Potter, Centre for Disease Control, USA

S. Kay Puryear, Proctor & Gamble, USA

Will Robertson, Health Canada, Canada

Jocelyn Rocourt, Institut Pasteur, France

Michiel van Schothorst, International Commission on Microbiological Specifications for Food, Switzerland

David Statham, Chartered Institute of Environmental Health, United Kingdom

Eghbal Taheri, Ministry of Health and Medical Education, Iran

Gerald Townsend, HJ Heinz, Ltd., New Zealand

Ray J. Winger, Massey University, New Zealand

Stacey A. Zawei, United Fresh Fruit and Vegetables, USA

Steve A. Ziller, Jr., Grocery Manufacturers of America, Inc., USA

FAO and WHO would like to thank the International Life Sciences Institute (ILSI) and the International Union of Food Science and Technology (IUFoST) for having assisted in the review of the document. Special thanks is also conveyed to the Japanese Government for having supported this project financially.

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