

RESIDUE REVIEWS

VOLUME 20

WITH CUMULATIVE TABLE OF SUBJECTS
COVERED, DETAILED SUBJECT-MATTER
INDEX, AND AUTHOR INDEX OF
VOLUMES 11-20

RESIDUE REVIEWS

Residues of Pesticides and Other
Foreign Chemicals in Foods and Feeds

RÜCKSTANDS-BERICHTE

Rückstände von Pesticiden und anderen
Fremdstoffen in Nahrungs- und Futtermitteln

Edited by

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VOLUME 20



SPRINGER-VERLAG

BERLIN • HEIDELBERG • NEW YORK

1968

ISBN 978-1-4615-8430-8

ISBN 978-1-4615-8428-5 (eBook)

DOI 10.1007/978-1-4615-8428-5

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Softcover reprint of the hardcover 1st edition 1968

Library of Congress Catalog Card Number 62—18595.

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Title No. 6622

Preface

That residues of pesticide and other "foreign" chemicals in foodstuffs are of concern to everyone everywhere is amply attested by the reception accorded previous volumes of "Residue Reviews" and by the gratifying enthusiasm, sincerity, and efforts shown by all the individuals from whom manuscripts have been solicited. Despite much propaganda to the contrary, there can never be any serious question that pest-control chemicals and food-additive chemicals are essential to adequate food production, manufacture, marketing, and storage, yet without continuing surveillance and intelligent control some of those that persist in our foodstuffs could at times conceivably endanger the public health. Ensuring safety-in-use of these many chemicals is a dynamic challenge, for established ones are continually being displaced by newly developed ones more acceptable to food technologists, pharmacologists, toxicologists, and changing pest-control requirements in progressive food-producing economies.

These matters are also of genuine concern to increasing numbers of governmental agencies and legislative bodies around the world, for some of these chemicals have resulted in a few mishaps from improper use. Adequate safety-in-use evaluations of any of these chemicals persisting into our foodstuffs are not simple matters, and they incorporate the considered judgments of many individuals highly trained in a variety of complex biological, chemical, food technological, medical, pharmacological, and toxicological disciplines.

It is hoped that "Residue Reviews" will continue to serve as an integrating factor both in focusing attention upon those many residue matters requiring further attention and in collating for variously trained readers present knowledge in specific important areas of residue and related endeavors; no other single publication attempts to serve these broad purposes. The contents of this and previous volumes of "Residue Reviews" illustrate these objectives. Since manuscripts are published in the order in which they are received in final form, it may seem that some important aspects of residue analytical chemistry, biochemistry, human and animal medicine, legislation, pharmacology, physiology, regulation, and toxicology are being neglected; to the contrary, these apparent omissions are recognized, and some pertinent manuscripts are in preparation. However, the field is so large and the interests in it are so varied that the editor and the Advisory Board earnestly solicit suggestions of topics and authors to help make this international book-series even more useful and informative.

"Residue Reviews" attempts to provide concise, critical reviews of timely advances, philosophy, and significant areas of accomplished or needed endeavor in the total field of residues of these chemicals in foods, in feeds, and in transformed food products. These reviews are either general or specific, but properly they may lie in the domains of analytical chemistry and its methodology, biochemistry, human and animal medicine, legislation, pharmacology, physiology, regulation, and toxicology; certain affairs in the realm of food technology concerned specifically with pesticide and other food-additive problems are also appropriate subject matter. The justification for the preparation of any review for this book-series is that it deals with some aspect of the many real problems arising from the presence of residues of "foreign" chemicals in foodstuffs. Thus, manuscripts may encompass those matters, in any country, which are involved in allowing pesticide and other plant-protecting chemicals to be used safely in producing, storing, and shipping crops. Added plant or animal pest-control chemicals or their metabolites that may persist into meat and other edible animal products (milk and milk products, eggs, etc.) are also residues and are within this scope. The so-called food additives (substances deliberately added to foods for flavor, odor, appearance, etc., as well as those inadvertently added during manufacture, packaging, distribution, storage, etc.) are also considered suitable review material.

Manuscripts are normally contributed by invitation, and may be in English, French, or German. Preliminary communication with the editor is necessary before volunteered reviews are submitted in manuscript form.

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September 25, 1967

F.A.G.

Foreword-- Cumulative Indexes

Volume 10 of "Residue Reviews" contained the cumulative indexes of volumes 1-10, with the comprehensive and cumulative Subject-Matter Index consisting of individual subject units prepared by the authors themselves but correlated, integrated, and cross-referenced by the editor. In contrast, volumes 11-19 contain individual index units prepared solely by the editor, who assumes all responsibility for omissions; in a book series of such varied subject-matter content there will undoubtedly be many such omissions, especially since the frequency of use of editor-selected sub-entries has been greatly increased to aid literature searchers.

As with volume 10, this present volume 20 contains an abbreviated ten-volume table of subjects covered for ready reference, a ten-volume author index, and the comprehensive ten-volume cumulative and detailed subject-matter index. The present subject-matter or "Subject" index contains more detail than is found in the original and individual index units to permit more exhaustive searches of all volumes. Major aspects or facets of a common subject such as DDT or dieldrin are accommodated by subentries where appropriate; casual, illustrative, or tabular mention of one of these common subjects is simply paginated after the simple subject entry.

It is sincerely hoped the user of "Residue Reviews" will find this three-way cumulative index both convenient and useful.

In addition, there is a cumulative list of the contents, by short titles, individually of all twenty volumes, with dates of publication. A list of forthcoming contributions, as presently promised by the authors, is included as the last entry; this list will change with time but may guide interested readers, authors, and contributors.

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Table of Contents

Reported solubilities of 738 pesticide chemicals in water By F. A. GUNTHER, W. E. WESTLAKE, and P. S. JAGLAN	1
Cumulative table of subjects covered, volumes 11-20	149
Comprehensive and cumulative subject-matter index, volumes 11-20	151
Cumulative author index, volumes 11-20	207
Cumulative list of volumes 1-20	209
List of promised forthcoming papers by short titles	211