## PLANT NUTRIENTS AND REGULATORS

Growth Regulator Action, Absorption and Translocation of 2-1 ${ }^{131}$-2,3,5. Triiodobenzoic Acid
Katsura Munakata and Akihiko Nakai

## PESTICIDES

Insecticide Measurement, Direct Colorimetric Analysis of Cholinesterase-
Inhibiting Insecticides with Indophenyl Acetate
T. E. Archer and Gunter Zweig

Animal Metabolism of Insecticides, Bovine Metabolism of Organophosphorus
Insecticides. Metabolism and Residues Associated with Dermal Appli-
cation of Co-ral to Rats, a Goat, and a Cow
H. R. Krueger, J. E. Casida, and R. P. Niedermeier

Ȧnimal Metabolism of Insecticides, Bovine Metabolism of Organophosphorus Insecticides. Metabolism and Residues Associated with Oral Administration of Dimethoate to Rats and Three Lactating Cows
W. C. Dauterman, J. E. Casida, J. B. Knaak, and Tadeusz Kowalczyk . . . 188

Laboratory Testing of Rat Repellents, Quantitative Evaluation of Repellency of Chemical Coatings on Paperboard
J. R. Weeks

## PESTICIDES/FOOD PROCESSING

Fumigant Reactions with Foods, Hydroxyethyl Derivatives in Prunes Fumigated with $\mathrm{C}^{14}$-Ethylene Oxide
H. T. Gordon, W. W. Thornburg, and L. N. Werum . . . . . . . . 196

Pesticides and Flavor, Flavor Evaluation of Potatoes Grown in Soils Treated with Pentachloronitrobenzene
P. C. Fry

## NUTRITION/FOOD PROCESSING

Feedstuffs Antioxidants, Toxicity Studies on the Antioxidant 6-Ethoxy-1,2-dihydro-2,2,4-trimethylquinoline
R. H. Wilson and Floyd DeEds

$$
\begin{aligned}
& \text { Feedstuffs Antioxidants, Absorption, Metabolism, and Excretion of the Anti- } \\
& \text { oxidant, 6-Ethoxy-1,2-dihydro-2,2,4-trimethylquinoline } \\
& \text { R. H. Wilson, J. O. Thomas, C. R. Thompson, H. F. Launer, and G. O. } \\
& \text { Kohler. . . . . . . . . . . . . . . . . . . . . . . . . . } 206
\end{aligned}
$$

Silage Storage Effects, Nutrient Recovery and Chemical Changes in Oat
Silage
M. E. McCullough and A. R. Stasch Chemical Society DIRECTORY OF

Faculties, Publications, and Doctoral Theses in Departments of Chemistry, Biochemistry, and Chemical Engineering at United States Universities

## INCLUDES:

- All institutions which offer Ph.D. in chemistry, biochemistry, or chemical engineering
- Instructional staff of each institution
- Research reported at each institution for past two years
- Alphabetical index of 2,878 faculty members and their affiliation; alphabetical index of 236 schools
-     -         -             -                 -                     - 

The ACS Directory of Graduate Research is the only U.S. Directory of its kind. The 3rd edition, prepared by the ACS Committee on Professional Training, now includes all schools and departments (with five exceptions where data were received too late for inclusion) concerned primarily with chemistry, biochemistry, or chemical engineering, known to offer the Ph.D degree.

The Directory is an excellent indication not only of research reported during the last two years at these institutions but also of research done prior to that time. Each faculty member reports publications for 1956-57; where these have not totaled 10 papers, some articles prior to 1956 are reported. This volume fully describes the bread th of research interest of each member of the instructional staff.

-     -         -             -                 - 

Because of the indexing system, access to information is straightforward and easy-the work of a moment to find the listing you need. Invaluable to anyone interested in academic or industrial scientific research and to those responsible for counseling students about graduate research.

Paper bound, 634 pages... $\$ 3.50$

## ORDER FROM

> Special Issues Sales
> AMERICAN CHEMICAL SOCIETY
> 1155-16ih STREET, N.W.
> WASHINGTON 6, D. C.

