# Agricultural and Food Chemistry

### **TECHNICAL SECTION**

June 1957 Volume 5, Number 6

#### PLANT NUTRIENTS AND REGULATORS

Fertilizer Technology, Granulation of Mixed Fertilizers in Experimental Equipment and Determination of Storage and Drilling Characteristics of the Products	
H. F. Rapp and J. O. Hardesty	426
Fertilizer Technology, Production of Diammonium Phosphate by Continuous Vacuum Crystallization  J. G. Getsinger, E. C. Houston, and F. P. Achorn	433
Fertilizer Storage, Storage Properties of Diammonium Phosphate Alone and in Admixture with Other Fertilizer Materials  Julius Silverberg and F. G. Heil	436
Fertilizer Analysis, Rapid Determination of Magnesium in Mixed Fertilizers  H. E. van Thiel and W. J. Tucker	442
PESTICIDES	
Pesticide Determination, Critical Points in the Schechter-Hornstein Colorimetric Method for Lindane	
C. W. Gehrke, J. L. Bevirt, and M. R. Johnston	444
Insecticide Residues, Colorimetric Determination of Toxaphene  Irwin Hornstein	446
FERMENTATION/FOOD PROCESSING	
Enzymatic Analysis, Quantitative Determination of L-Glutamic Acid by L-Glutamic Acid Decarboxylase (from E. coli)	
Murry Seidman and M. J. Blish	448
FOOD PROCESSING	
Meat Pigments, Spectrophotometric Determination of Color Change in Cured Meat  A. M. Erdman and B. M. Watts	453
Starch Identification, Microscopic Characteristics of Starches in the	433
Identification of Ground Cereal Grains  M. M. MacMasters, M. J. Wolf, and H. L. Seckinger	455
Whiskey Clarity, Isolation and Identification of a Sterol Glucoside from Whiskey	
Harry Braus, J. W. Eck, W. M. Mueller, and F. D. Miller	458
FOOD PROCESSING/NUTRITION	
Cottonseed Processing, Changes Induced by Autoclaving a Solvent- Extracted Cottonseed Meal	
E. J. Conkerton, W. H. Martinez, G. E. Mann, and V. L. Frampton	460
NUTRITION	
Protein Efficiency, Relative Nutritive Values of Proteins in Various Foods at Increasingly High Levels of Protein Intake	
Barnett Sure	463



## NEW... A FREE

monthly newsletter for professional turf growers and fertilizer manufacturers.

Keep abreast of the growing problems and developments in the turf world.

Write for your free subscription today.



NITROFORM Agricultural Chemicals, Inc. DEPT. C, 92 SUNNYSIDE AVENUE WOONSOCKET, R. I.

# **NEW**

# A KEY TO PHARMACEUTICAL AND MEDICINAL CHEMISTRY LITERATURE

Number 16 in Advances in Chemistry Series

A collection of 25 articles comprising two symposia presented before the Divisions of Chemical Literature and Medicinal Chemistry

235 pages...paper bound...\$5.25

#### order from:

Special Publications Dept. American Chemical Society 1155 Sixteenth Street, N. W. Washington 6, D. C.