

Winter and Young observed that Terramycin HCl and tetracycline were inferior to streptomycin, and Agri-Mycin, which is a formulation of streptomycin and terramycin in a 10 to 1 ratio, gave results equal to but not superior to streptomycin alone. In two tests in commercial orchards in 1954, it appeared that the early and full bloom applications of streptomycin contributed almost equally to blossom blight control on apples, and that the petal fall applications were of minor importances, they said. Tests were also conducted on five commercial pear orchards and results were favorable.

Tung Cake Repressing Found Uneconomical

A much discussed question facing the American tung industry has recently been answered by researchers at the Southern Utilization Research Branch, USDA: whether or not oil-rich filter cake should be repressed to recover additional oil. Although filter cake usually contains more than 40% oil by weight, recycling it through the screw press does not recover any more oil than once-through processing, said R. S. McKinney, at the American Tung Oil Association meeting in Biloxi, Miss., Sept. 23 and 24.

These conclusions were based on two experimental runs, each of 90 tons, conducted in a typical commercial mill. All of the normal operations were carried out during the once-through processing: once-through hulling, hull separation, grinding of tung kernels, and filtration of the tung oil. Cake from the filter press was recycled through the screw press in a second run for comparison of results.

The first material balance published on a commercial tung mill, claim USDA researchers, is summarized in the table.

Materials	Once Through Recycle	
	% Accounted For	
Nitrogen	101.1	110.9
Dry Matter	98.2	103.7
Oil	100.7	101.4
Oil Losses		
% of Oil in Fruit		
Screw Press Cake	7.1	10.1
Filter Cake	5.9	5.9
Hulls	8.9	2.8

SRRL is continuing studies on the detoxification of tung nut meal for livestock feed. It is now possible to detoxify the meal, states F. G. Dollear, Southern Regional Research Laboratory. SRRL chemists are isolating the components of tung meal to establish a means of determining toxicity accurately and simply for control purposes.

People

Ralph Hixon of Iowa State To Receive Midwest Award

Ralph Hixon, dean of the graduate school at Iowa State College, Ames, has been named to receive the 10th Midwest Award, presented by the St. Louis Section of the AMERICAN CHEMICAL SOCIETY. The award will be made at a dinner meeting of the section on Nov.



1. A teacher and well-known researcher in the field of agricultural chemistry, Dr. Hixon's main contributions have been in the chemistry of starch. Dr. Hixon was born in Indiana, took a B.S. at Iowa State, studied in Sweden, and completed his doctorate at the University of Wisconsin. His postdoctoral research was done in Germany. In 1923, he became assistant professor of chemistry at Iowa State, associate professor in 1926, professor in 1929, research professor and head of the plant chemistry subsection of the experiment station in 1934, head of the department of chemistry in 1944, and was promoted to his present position in 1948. Dr. Hixon and his colleagues helped to develop the production of starch from waxy maize corn. He has also contributed to the development of improved high-yield hybrid corn.

Six Alexander R. Todd, professor of organic chemistry at the University of Cambridge, England, has accepted appointment as Arthur D. Little, Visiting Professor of Chemistry at the Massachusetts Institute of Technology for the current fall semester. He will deliver a series of 20 lectures on selected topics in natural product chemistry during the four months at MIT. He expects to deal with the chemistry of one group of vitamins, their function in enzyme systems, and the general field of nucleotide chemistry.

Calvin L. Dickinson has been named director of engineering for American Potash & Chemical Co. He has been with American Potash since 1953, when he left Diamond Alkali where he was plant manager of the organic chemicals division in Houston, Tex.

L. W. Babcock, director of personnel for Hercules, John E. Goodman, Hercules treasurer, and Ernest S. Wilson, director of engineering for Hercules, have been elected to membership on the board of directors for the company.

William H. McLean has been appointed to the new position of vice president and general manager of the chemical division of Merck & Co., Inc. He has been vice president for marketing during the past three years.

Harry L. Mahl has been promoted to superintendent of the new insecticide department of the Memphis, Tenn., plant of Velsicol Corp. He has been engaged in design projects for the company's new organic chemical plant at Memphis. Marvin Lissner has been promoted to the superintendent of the company's heptachlor plant in Memphis.

Frederick W. Wahlers has been appointed assistant sales manager of the Merchants Chemical Co., New York. He has been on the company's sales staff.

Edmund M. Buras, Jr., and Leon Segal have been promoted to chemists in charge of the cotton research units of the Southern Utilization research branch, USDA, at New Orleans. Mr. Buras will lead research on the chemical modification of cotton to impart new and improved properties for special uses, and Mr. Segal will conduct research on methods for chemically modifying the fine structure of cotton without loss of the fibrous form.

Clair Kennedy has been promoted to research manager for Perkins Products Co., a General Foods subsidiary in Chicago. He has been assistant laboratory director in food analysis at the Hoboken laboratories since 1953.

Hatton B. Rogers, formerly director of technical service for Huron Milling Co., has joined the executive staff of Dodge & Olcott as director of the dry solubles division.

John T. Goodwin, formerly with General Electric, has been appointed manager of the chemistry research division of the Midwest Research Institute.

Dale E. Wolf has been appointed manager of the agricultural chemicals research section of the Du Pont Co.'s Grasselli Chemicals Department. He succeeds the late Harry F. Dietz. He has been assistant manager of the section since 1950.

William S. Wallace has been named office assistant to John A. Rodda, sales manager of the Fairfield Chemical Division of Food Machinery, which was recently purchased by FMC from U. S. Industrial Chemicals division of National Distillers. Mr. Wallace has been with the division for many years. George Kerbey is to become Mr. Rodda's assistant in field sales operations. John F. Odenael will be in charge of sales in the New York area.