This college text is designed for beginning students in farm management. The authors present effective farm planning in a logical sequence of decisions as the outline for efficient farm management. The text brings out problems of the Corn Belt but the logical sequence in decision-making applies to any part of the country. Following the first three chapters on the scope of farm management, agricultural resources and a discussion of the application of general economic principles to farm planning, the decision-making sequence is developed in the succeeding eight chapters. Topics discussed are an appraisal of the resources of a given farm, planning the land-use program, fitting livestock to the farm, farm labor supply, use of power and machinery, and farmstead planning. The remaining chapters cover the types of farming, use of economic information, farm records and their use, size of farm, financing and tenancy. The senior author is chairman of the Agricultural Economics Department, University of Illinois, and the junior author is professor in the department.

GROWTH AND DIFFERENTIATION IN PLANTS


This volume is presented by the Monograph Board of the American Society of Plant Physiologists as the third in its series. It goes without saying that the general subject matter and the 18 topics included in the monograph will be of considerable interest to agronomists. The topics chosen for this monograph give a rounded and thorough summary of this complex field. Their treatment gives a critical evaluation of the present status of knowledge accumulated in each basic aspect of growth and differentiation. Most of the chapters contain both historical material and recent publications with the author's evaluation of these and of probable future research progress. Considerable emphasis is placed on newly-expanded fields such as cellular growth and differentiation in plants and tissue culture, protein synthesis, hormones in growth and reproduction, and growth correlations. Literature citations are extensive for each chapter, and include 1953 publications which were considered important enough to be inserted in the final proofs. The scope of the coverage given in this volume as well as the critical discussions in each chapter should make it an extremely valuable addition to agronomic plant breeders and physiologists.

HANDBOOK OF PROBABILITY AND STATISTICS WITH TABLES


Dr. Burington and May have condensed an enormous amount of useful information into this handbook of modern statistics. Approximately two thirds of the book is devoted to a summary of mathematical statistics and related subjects. This section includes chapters on probability theory, distribution theory, the Binomial, Poisson and Normal distributions, sampling distributions, statistical inference, analysis of variance, sequential analysis and quality control, finite differences, etc. These chapters are not written for the casual user of mathematics or statistics since in the interest of briefness the material is presented in mathematical terms. The remaining third of the handbook contains most of the tables useful in statistical analysis. Included are tables of the Binomial, Poisson, Normal, t, F, &t, Beta and Gamma distributions, logarithms, trigonometric functions, exponentials, factorials, etc. An adequate index and a brief reference list are included. This volume should be of considerable interest and use to the regular user of statistical analysis.—A. GRANDAGE.

MENTION

Transactions, Joint Meeting of Commission II (Soil Chemistry) and Commission IV (Soil Fertility and Plant Nutrition, International Society of Soil Science, Dublin, July 1952. Two volumes. $17.00.


Mineral Nutrition of Plants and the Problem of Chemical Fertilization by Marcel V. Hones. Paris, Masson and C. Paper bound, 142 pp. 19 figures. Author is professor at the University of Brussels in French.


Agronomic Affairs

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