



THE NEW YORK BOTANICAL GARDEN



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Book Review

Genetic Aspects of Plant Nutrition. Edited by M. R. Saric and B. C. Loughman. 495 pp. illus. Martinus Nijhoff Publishers, The Hague, 1983. \$85.00.

The proceedings of the First International Symposium on Genetic Aspects of Plant Nutrition held in Belgrade in 1982, this volume encompasses a broad spectrum of topics both directly and indirectly related to the subject.

The editors clearly point out that the "multidisciplinary approach necessary for investigating the genetic basis for differences in capacities for absorption, translocation and utilization of ions on the one hand and the tolerance of excess nutrients and toxic ions on the other is well illustrated in the list of contents and authors in this volume." One hundred and one authors have contributed 58 papers organized into five sections: "Cytological and Anatomical Changes in Genotypes caused by Altered Nutrient Supply"; "Absorption, Translocation and Accumulation of Ions in Different Genotypes"; "Influence of Mineral Nutrition on Physiological and Biochemical Processes of Genotypes"; "Influence of Mineral Nutrition on Yield and Quality of Different Genotypes"; and "Genetical Investigations on Selection of Genotypes for More Effective Use of Minerals. Unusual in such an array presented in a symposium, the papers appear all to be of high scientific calibre and to be expertly edited.

The value of this volume to several aspects of economic botany—physiology, cell biology, soil chemistry, plant breeding, genetics, and others—is at once obvious. The contents represent primarily contemporary advances but this is a book that will be valuable for many years without becoming obsolete or out of date, for it is in the vanguard of advancement in a relatively new approach that will become more and more cogent in the years to come.

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