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Voir Fig. 1 à la fin de cette issue.

BOOK REVIEWS

FERTILIZER USE AND PROTEIN PRODUCTION. (Proceedings of the 11th Colloquium of the International Potash Institute held in Rønne — Bornholm / Denmark 1975). — International Potash Institute, CH — 3048 Worblanfen — Bern 1975. 307 pp.

The publication includes the lectures given at the international colloquium which was devoted to the use of synthetic fertilizers and to the production of proteins. The advantage of this colloquium was that the theoretical questions of plant nutrition and metabolism were treated jointly with the problem of plant proteins production. Consequently, we find there information on the receipt of nitrates and their metabolism in roots and leaves, as well as on the biosynthesis of proteins and their composition in various cultivars (maize, barley).

On the other hand, the problems of plant nutrition are dealt with in regard to the needs of agriculture and production of foodstuffs. Of great interest are the contributions discussing the relations between yields, the level of nutrients and soil types. From this point of view the book is stimulative not only for workers interested in the basic research of plant nutrition but also for agrochemists and agricultural researchers in general.

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FERTILIZER USE AND PRODUCTION OF CARBOHYDRATES AND LIPIDS. (Proceedings of the 13th Colloquium of the International Potash Institute held in York / United Kingdom 1977). — International Potash Institute, CH — 3048, Worblanfen — Bern 1977.

The publication under review arose out of a colloquium held in 1977 at the participation of a number of outstanding scientists. It deals with a relatively wide spectrum of biochemical and physiological aspects of the production of carbohydrates. The contributions bring self-contained information about photosynthesis (absorption and conversion of radiation energy, its preservation in the products of metabolism, the influence of ions, particularly of K^+ , on photosynthesis, synthesis and transport of assimilates), and about the role of carbohydrates in human and animal nutrition. The effects of synthetic fertilizers (N, P, K) on the production of carbohydrates and lipids in various kinds of agricultural produce are discussed in several chapters.

The data on the agricultural production in various countries provide valuable study materials.

The papers in the fields of photosynthesis and theoretical basis of mineral nutrition are on the level of present-day knowledge and, moreover, have brought some new results. In this respect the publication will be appreciated by the workers engaged both in the basic and agricultural research.

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