Pennel, L., Halloran, G. M.: Influence of vernalization and photoperiod on supernumerary spikelet expression in wheat. – Ann. Bot. **53** : 821–831, 1984.

Pushkarenko, A. Ya.: [Structural pattern of vascular system in the peduncle of various winter wheat varieties.] In Russ. – In: Sb. nauch. Tr. vsesoyuz. selskokhoz. gos. Inst. Odessa. Pp. 45–50. 1984.

Smoček, J.: [Phenocopies of gene spike fertility in wheat.] In Czech. – Rost. Výroba **33** : 529–537, 1987.

Wardlaw, I. F.: The early stages of grain development in wheat: Response to light and temperature in a single variety. – Aust. J. biol. Sci. **23** : 765–774, 1970.

Vorst, J. J. (ed.): Experiments in Crop Science. Crop Science Society of America, Inc. Madison, 1990. 62 pp.

The purpose of this publication was to prepare and provide a series of crop science experiments for use in junior high school biology or science classes. These fundamental experiments can help teachers to explain basic biological processes via demonstration and laboratory experiments to students. The whole series is intendent to provide students deeper information, involve them in learning process and motivate them to study and retain more.

Experiments in this publication represent basic plant biology applications to crop growth, development and production, having the nature of a law. They are intended to show interesting examples how crop science knowledge directly affects plant production.

Each experiment is individual and consist of two parts: a Student's Guide and a Teacher's Guide which help students to understand, and carry out the apropriate experiment. Student's Guide includes introduction, objective, procedure, questions and references. In Teacher's Guide one can find more detailed objectives, materials and equipment, procedure, experiments, discussion and mostly also evaluation.

The publication comprises the following experiments: Plant tissue and cell culture, Plant genetics, Germination and seedling growth under water stress, Nutrient deficiences in plants, Nitrogen fixation and legume inoculation, Germination and vigor of seeds, Seed viability, Plant growth regulation.

All of experiments demonstrate basic plant biology applied in plant reproduction and growing. Listed texts are suitable for use in Grammar or alternatively in Secondary Schools where stress is put on agriculture. For use in European High Schools it would be better to write everything in a more detailed way, add more difficult and exacting procedures and provide more suitable pictures. From educational viewpoint this booklet is well itemized and can be used as an introductory publication for crop science problems.

V. Novák (Praha)