Schaffer, B., Andersen, P.C. (ed.): **Handbook of Environmental Physiology of Fruit Crops**. Volume I. Temperate Crops. - CRC Press, Boca Raton 1994. 358 pp. ISBN 0-8493-0175-0.

The book consists of 11 chapters devoted to the principles of plant-environment interaction in worldwide common fruit crops (*e.g.* apple, grapevine, pear, strawberry, cherry, peach) and also in those, cultivation of which is restricted to only limited Worlds locations (*e.g.* kiwifruit, olive, pistachio). The authors of individual chapters (mostly Americans and Australians) are well recognized experts in their field of study. Formal structure of chapters is uniform throughout the book which helps a reader to compare crops easily. For all crops, plant responses to radiation, air temperature, nutrients, irrigation and water stress is described and, where necessary, also plant sensitivity to *e.g.* salt stress, flooding, chilling, wind, and air pollution is discussed. The book is rich especially in the information about water relations and crop performance under water limitation. Positive feature is that for some crops (*e.g.* apple, strawberry, chesnut), their response to long-term elevated CO_2 concentration is described, which is of great importance when thinking about cultivation of crops in future globally-changed atmosphere. Throughout the book, the facts are presented in numerous tables and very illustrative figures. After each chapter, hundreds of references are provided and subject index is included at the end. The book therefore represents a rich source of information for specialists in many fields, mainly plant physiologists and ecologists, botanists, farmers and crop producers. It can be also recommended to university students interested in the above fields.

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