Martínez, P.F. (ed.): **Environmental Constraints in Protected Cultivation: Possibilities for New Growing Techniques and Crops.** - ECSC-EEC-EAEC, Brussels - Luxembourg 1993. 192 pp. ISBN 92-826-6682-4.

This book contains the first results of the research programme undertaken under Commission of the European Communities Contract No 8001-CT90-0015 which deals with the technologies for protected cultivation in Mediterranean conditions. The aim is the reduction of environmental stress incidence on crops. The papers were presented at the Workshop held at Valencia, Spain, 20 and 21 November 1991.

The book is introduced with the review concerning the effect of the four major environmental factors (light availability, carbon dioxide, temperature and air humidity) on photosynthesis, transpiration, stomatal conductance and growth of horticultural crops. Further three papers deal with the greenhouse climate control and management. They concentrate on the models of greenhouse climate affected by ventilation systems, fog-system, heat accumulation, *etc.*, derived from the models of canopy evapotranspiration and photosynthesis. Effects of drought stress, cold stress and salinity on the water relations, inorganic and organic solute accumulation, hormonal content and photosynthesis are evaluated in the following three chapters. Significant development in soilless culture from open systems to closed-loop systems (recirculating solutions) is reflected in further four chapters. Finally, new and better adapted crops and cultivars are discussed in last three chapters.

The authors hope that this programme contributes to collaboration and mutual confidence instead of competition among horticulturists that help to progress in the European integration. This book finds good place among others recently appeared books concerning greenhouse climate and its control.

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