

Summary - Florida Greenhouse Vegetable Production Handbook, Vol 1¹

G. J. Hochmuth²

It should be keenly apparent to the prospective greenhouse vegetable grower that some formidable difficulties exist. Greenhouse vegetable production involves much expense and a great amount of risk. During the decision process, the potential new grower must understand and decide if the risks are manageable.

The production of greenhouse vegetables involves dealing with specialty horticultural crops that have some exacting requirements. If the production phase of greenhouse vegetable culture can be characterized, it would certainly include the descriptors intensive, timely, managerial-dependent, detail specific, and expensive.

Greenhouse vegetable production, however, can potentially be a high-return enterprise. Along with the potential for high return, comes the potential for great losses because of the high level of risk involved with this enterprise. There are many factors that need to be thoroughly investigated prior to entering the business of greenhouse vegetables. Depending upon how well

a greenhouse operator can identify and manage all of the variables, the operator may have a highly rewarding enterprise or a financially frustrating one. Hopefully, this publication will help keep the prospective grower from facing the latter option.

For growers who decide to pursue greenhouse construction and crop production, information on those topics is available in succeeding publications (volumes 2 and 3).

More Information

For more information on greenhouse crop production, please visit our website at <http://nfrec-sv.ifas.ufl.edu>.

For the other chapters in the Greenhouse Vegetable Production Handbook, see the documents listed below:

-
1. This document is HS773, one of a series of the Horticultural Sciences Department, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida. Original publication date December 1990. Revised January 2001. Reviewed February 2008. Visit the EDIS Web Site at <http://edis.ifas.ufl.edu>.
 2. G.J. Hochmuth, professor of Horticultural Sciences and Center Director, North Florida Research and Education Center, Institute of Food and Agricultural Sciences, University of Florida. The Florida Greenhouse Vegetable Production Handbook is edited by George Hochmuth, professor of Horticultural Sciences and Center Director, North Florida Research and Education Center and Robert Hochmuth, extension agent IV, North Florida Research and Education Center - Suwannee Valley, Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida, Gainesville, FL 32611.

The Institute of Food and Agricultural Sciences (IFAS) is an Equal Opportunity Institution authorized to provide research, educational information and other services only to individuals and institutions that function with non-discrimination with respect to race, creed, color, religion, age, disability, sex, sexual orientation, marital status, national origin, political opinions or affiliations. U.S. Department of Agriculture, Cooperative Extension Service, University of Florida, IFAS, Florida A. & M. University Cooperative Extension Program, and Boards of County Commissioners Cooperating. Larry Arrington, Dean

Florida Greenhouse Vegetable Production Handbook, Vol 1

Introduction, HS 766

Financial Considerations, HS767

Pre-Construction Considerations, HS768

Crop Production, HS769

Considerations for Managing Greenhouse Pests, HS770

Harvest and Handling Considerations, HS771

Marketing Considerations, HS772

Summary, HS773

Florida Greenhouse Vegetable Production Handbook, Vol 2

General Considerations, HS774

Site Selection, HS775

Physical Greenhouse Design Considerations, HS776

Production Systems, HS777

Greenhouse Environmental Design Considerations, HS778

Environmental Controls, HS779

Materials Handling, HS780

Other Design Information Resources, HS781

Florida Greenhouse Vegetable Production Handbook, Vol 3

Preface, HS783

General Aspects of Plant Growth, HS784

Production Systems, HS785

Irrigation of Greenhouse Vegetables, HS786

Fertilizer Management for Greenhouse Vegetables, HS787

Production of Greenhouse Tomatoes, HS788

Generalized Sequence of Operations for Tomato Culture, HS789

Greenhouse Cucumber Production, HS790

Alternative Greenhouse Crops, HS791

Operational Considerations for Harvest, HS792

Enterprise Budget and Cash Flow for Greenhouse Tomato Production, HS793

Vegetable Disease Recognition and Control, HS797

Vegetable Insect Identification and Control, HS798