

PREFACE

India is a country of very many climates at one and the same season. Summers are very pleasant and cool in the Northern Hill areas of Jammu and Kashmir, Himachal Pradesh, Uttranchal very much akin to the temperate conditions of European countries. Winter season in the Gangetic plains and also in Peninsular India is very pleasant, thereby providing conditions for culture of varied types of fruits and vegetables. After Independence, India has made very many big strides in every sphere of Agriculture distinctions, firstly by becoming self-sufficient in grains and then getting into the white revolution. India with its vegetable production stands next to China in the world. In the sphere of flower culture, India has not gained any popularity in the world markets because of its direction only for domestic needs of flowers and un-awareness about the so-called cut flowers. Also Indian technology is not that ahead and advanced in covered crop culture as that of the western world. Also Indian farmers are very much un-aware of the continental vegetables which are much in demand both in the domestic and export markets. These continental vegetables are very high value crops and earn huge returns per unit area.

Thrust of the developmental activities in agriculture has been now directed to the cut flower, potted plant and nursery raising for ornamentals and culture of high value crops. This thinking and direction will remain incomplete till there is full acquaintance of the farmer with the inherent techniques of production, post harvest technology, marketing both in the domestic and export markets and getting him closer to the knowledge of understanding the export methodology required for generating good incomes from his produce of flowers and vegetables by adopting the latest technologies. All the Agricultural Universities and Research Institutes involved in this aspect have developed new flower and vegetable varieties suited for Indian conditions and much in

demand in the International markets, are not enough steps, till all the concerned in this technology, may be students, Research Scientists and the farmers or the Bureaucrats are made aware of the inherent practical needs of the day.

The presented manuscript in the book form on "Flowers and Vegetables of India", has taken all the due care in compiling the details on the cut flower culture both in the open and also under covers and acquainting the user and the reader with the export entry into the market and its requirements, transportation under controlled conditions which are the top most requirements have been given. Also details of establishing own Nurseries, Tissue Culture Laboratories and Project Costs on Cut flower Floriculture have been given in a very easy to understand way, so that the entrepreneur can prepare his own estimates and project planning details for gaining access to the Government requirements for the release of grants / subsidies and loan funds in a very easy fashion. Organic culture which is likely to become a part of the farmer and the entrepreneur in agriculture has also been given in a manner that, nothing is left for the future reference of the subject. In the Vegetable crop culture, detailed information on the history, botany and the vegetable family as a whole has been tried to be presented in such a way that the reader acquires all the best possible knowledge from Origin to different species and the relevance of cultivation with regard to demands of the country and the continent. In this direction differences between every known crop has been given, as in the case of Peas, we, in India are aware of only Shelled Peas and not the Snow and Snap Peas. The same way, Beans are known only as green vegetable and not as Shelled beans. Thus, the reader has been kept to be at the best receiving end and to acquaint him all about the inherent techniques of creating awareness and educating in a simple manner for practice in the field. Success stories of the people from Taiwan and other countries are the motivating stones of this book. This Book thus is an intentional write-up for the students and rural educated folks interested in any vocation of agriculture, whether it is Floriculture or Olericulture.

Apart from the above, reasons for un-awareness of the farmer are there which will become the guide stones to achieve the desired results in the line once he thinks to adopt it. The Book in its present form is a consequence of the practical experience gained by the authors in the field for culture, post harvest and

marketing of fresh products and processing for food security. Contents contained for different cultural, industrial and marketing aspects of crops can usher into a new life for the village. It is very high time that farmer understands the intrigues of modern crop culture through his own vision and translates with his untiring efforts. Greatest emphasis in the present book has been laid on the competitiveness of India with other world countries, where India stands to gain at every front whether cheaper production costs or technology understanding or geographical location of India in the center of the world export trade, are very vital.

New Delhi

AUTHORS

Part - I	
FLORICULTURE	
1. World Floriculture	1
World Leaders in Floriculture	1
Other World Countries in Floriculture	3
2. Floriculture in India	6
Floriculture Today	6
Economic Survey 1994 - 95	9
Scope of Floriculture Industry in India	9
Floriculture: Non-development in India	13
3. Floriculture as Export Trade	15
Export Scenario	15
Export Potential	19
Export Products	18
4. India: Economy and Horticulture	22
Floriculture Zones of India	23
5. Flower Culture under covers	26
6. Inputs and Process for Floriculture	33