



# LITCHI

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Preventive Practices  
& Curative Measures

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## *Preventive Practices and Curative Measures*

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## Preface

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India is the second largest producer of litchi. Bihar, West Bengal, Tripura, Assam, Uttarakhand, Jharkhand and Punjab are the major litchi producing states. Litchi area is further expected to increase in many other states with the advancement of entrepreneurship among the farmers. Shahi, China, Culcuttia, Bedana, Late Bedana and Longia are being considered among the most superior types of litchi in India. Most of the commercial cultivars of litchi are location specific with long gestation period. Commercial litchi farming is done by large farmers, however, the scenario is changing gradually due to participation of small and marginal farmers. The productivity of litchi is low for many reasons including poor initial planning, inferior planting material, poor orchard management practices, unscientific post harvest practices and natural calamities. When the tree is full of vigour, vegetative dominance prevails over reproductive phase in certain varieties and locations, which adversely affects flowering, fruit set and fruit growth. High fruit drop and post harvest losses along with poor management of pests, diseases and disorders and poor upkeep of orchard affect the economic production of litchi. In order to avoid loss and to increase profitability, it is necessary to take steps from initial stage so that the vigour, growth and fruiting capacity of the plant is maintained.

There are two types of losses in litchi cultivation. First, arising due to grower's negligence/ mistakes in planning, management of orchard and harvest and the second, arising due to natural factors such as, pests, diseases, disorders and adverse climatic factors. Mistakes may occur in setting up of an orchard, selecting varieties, planting, fertilizing, drainage, irrigation systems, shaping, weed control, mulching, pruning and canopy management, use of growth regulators, harvesting, packing, marketing and quality management. Natural problems such as, pests, diseases and fruit disorders may occur by their own and may aggravate further due to negligence of farmer. Number of books and information bulletin on litchi are available presently, however, most of them are reference based which

## Preface/vi

fulfil the need of academicians, researchers and students. The present book has been prepared to educate farmers and orchardists so that they can take proper step from very beginning to avoid problems in litchi cultivation. This book has been prepared in action mode as "loss preventive practices and curative options" in such a way as the farmers can easily understand the technology and initiate appropriate and timely action. The manuscript is based on the research and experiences of the authors' vis-à-vis the available published literature on the subject. We hope that large number of farmers who are engaged in litchi cultivation and beginners will be immensely benefited from this book. We acknowledge the litchi workers whose published reports/works/research papers/book/monograph in India and abroad have been referred / consulted for the preparation of this book. Special thank are due to workers at RAU, Pusa, Samastipur, GBPUAT, Pantnagar, FAO and NRC, Litchi, Muzaffarpur for their valuable help to bring out this publication. Thanks are also due to Shri K. Gouri Sankara Rao for helping in preparation of this manuscript.

**Authors**

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# Contents

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<i>Preface</i> .....	v
<i>Chapter-1 : Introduction</i> .....	1
<i>Chapter-2 : Understand the Growth and Behaviour of</i>	
Litchi Plant .....	13
Growth stages of litchi .....	13
Nursery stage .....	13
Establishment and non-bearing stage .....	14
Junior bearing stage .....	14
Young bearing orchards .....	15
Adult bearing orchards .....	15
Old bearing (Senile) orchards .....	16
Plant characteristics of litchi .....	16
Plant .....	16
Shoot and branch .....	16
Leaf .....	17
Root system .....	17
Inflorescence .....	17
Flower .....	18
Fruit .....	21
The Seed .....	22
Growth, flowering and pollination in litchi .....	22
Flushing or emergence of new shoots .....	23
Dormancy or rest period .....	24
Flowering .....	24
Pollination .....	27

## Contents/viii

Fruiting in litchi .....	27
Fruit-set .....	27
Fruit growth .....	28
Fruit drop .....	29
Fruit yield .....	30
<b>Chapter-3 : Cultivate the Litchi Where Soil and Climate</b>	
Favour it .....	33
Suitable site and location .....	34
Soil and climatic needs .....	35
Suitable temperature and moisture .....	37
Drought has adverse impact on plant and fruit development .....	40
Intensity of solar radiation has impact on plant development .....	40
Rain fall pattern affects the tree productivity .....	41
Frost prone areas are harmful .....	41
Hail storms destroy the crop and plant .....	42
Orchards in high wind velocity areas need special attention .....	42
Ideal conditions for commercial litchi production .....	43
<b>Chapter-4 : Produce and Use the Quality Planting</b>	
Material .....	45
Knowledge of the nursery Act .....	45
Have propagation structures if large volume is to be prepared .....	46
Selection of site for nursery .....	48
Selection of varieties .....	48
Establishment of structure/materials and training to workers .....	49
Adopt proper method of propagation .....	49
Propagation by seed .....	49
Propagation by cuttings .....	51
Propagation by layering .....	52
Propagation by grafting .....	57
Relative merits of propagation methods .....	62
Manuring, watering, drainage and plant protection of nursery plant .....	62
<b>Chapter-5 : Select the Suitable Variety</b> .....	65
Criteria for selection of litchi varieties .....	66
Desirable characteristics of a litchi cultivar .....	67
Fruit characters .....	67
Tree characters .....	68
How to identify litchi variety .....	69
Some litchi varieties are region specific .....	71
Select a few among many varieties available in the country .....	73

**Chapter-6 : Adopt Scientific Orchard Establishment**

Practices .....	81
Land preparation .....	81
Lime application .....	82
Field layout .....	83
Orchard .....	84
Planting methods .....	84
Dig the pits based on the soil type and other factors .....	87
Fill the pits with appropriate substrates .....	88
Apply mycorrhiza .....	89
Select healthy and genuine saplings .....	90
Buyers guide for litchi saplings .....	90
Harden the sapling before planting .....	92
Start planting at appropriate time .....	92
Plant the saplings at proper distance: .....	93
Ensure minimum root disturbance of saplings .....	94
Adopt right method of planting of saplings : .....	95
Arrange sufficient water for irrigation: .....	95
Arrange tree guard and staking .....	96
Apply mulch and provide shade .....	98
Replanting if failed .....	98
Make provision to drain excess water .....	98
Prepare live fence and shelter belt as wind break .....	99

**Chapter-7 : Care and Rear the Developing Plants..... 103**

Do not neglect plant basins .....	104
Protect plants from cold and hot air .....	104
Follow proper water management practices .....	105
Apply balanced fertilizers .....	105
Keep orchard weed free .....	106
Apply mulch in plant basins .....	106
Initial canopy architecture .....	107
Grow inter crop and cover crop .....	107
Maintain bio-fencing and wind break .....	107
Protect plant from insect pests and fire .....	108

**Chapter-8 : Avoid Moisture Stress and Weed Excess ..... 109**

Stress and non-stress periods .....	112
Wetting depth .....	112
Determining irrigation requirements .....	113
Irrigation based on soil moisture measurement .....	114
Plant based measurement .....	115
Meteorological observations .....	116
Soil-plant-atmosphere continuum .....	117

