

CONTENT

	Page
Editors' preface	v
Contributors	vii
Abbreviations and conventions adopted	ix
Introduction	xix
SECTION A : BIOLOGY	1
Chapter 1 The Genus <i>Elaeis</i>	3
Chapter 2 Growth and Morphology	7
Chapter 3 Germination and Seedling growth	23
Chapter 4 Inflorescence Abortion and Sex Differentiation	37
Chapter 5 Photosynthesis and Productivity	55
Chapter 6 Yield and Yield Components	77
SECTION B : BREEDING	87
Chapter 7 Oil Palm Breeding – Introduction	89
Chapter 8 Major Oil Palm Breeding Programmes	109
Chapter 9 Interspecific Hybrids between <i>Elaeis guineensis</i> and <i>Elaeis oleifera</i>	127
Chapter 10 Nursery Selection	139
Chapter 11 Cytology Selection	145
SECTION C : MINERAL NUTRITION	155
Chapter 12 Physiological Aspects of Nutrition	157
Chapter 13 Soil Requirements of the Oil Palm	165
Chapter 14 Research on Mineral Nutrition	183
Chapter 15 Factors Affecting Fertilizer Recovery and some Aspects of Tissue Analysis	215
Chapter 16 Field Experiments as a Guide to fertilizer Practice	235
Chapter 17 Micronutrients	263
SECTION D : AGRONOMY	271
Chapter 18 Planting Density	273
Chapter 19 Ground Cover Management	285
Chapter 20 Disbudding	291
Chapter 21 Pollination	299
Chapter 22 Pruning	307
Chapter 23 Research on Techniques Adapted to Dry Regions	315
SECTION E : PESTS	331
Chapter 24 Pests – Introduction and Ecological Considerations	333
Chapter 25 Insect Pests in South – East Asia	347
Chapter 26 Insect Pests in West Africa	369
Chapter 27 Insect Pests in South America	385
Chapter 28 Vertebrate Pests	395
SECTION F : DISEASES	419
Chapter 29 Oil palm Diseases – Introduction	421
Chapter 30 Oil palm Diseases in South-East Asia and the South Pacific	427
Chapter 31 Diseases in Africa and South America	447
SECTION G : TECHNOLOGY	467
Chapter 32 Harvesting	469
Chapter 33 Processing, Storage and Transport of Palm Oil and Kernels	479
Chapter 34 Composition, Quality and End uses of Palm Oil	493

SECTION H : CONCLUSION	505
Chapter 35 Future Developments in Oil Palm Culture	507
AUTHOR INDEX	515
SUBJECT INDEX	521