

# Contents

Preface	vii
Acknowledgements	xi

Chapter 1 Horticulture in context	1
Chapter 2 Climate and microclimate	25
Chapter 3 Environment and ecology	45
Chapter 4 Classification and naming	63
Chapter 5 External characteristics of the plant	77
Chapter 6 Plant cells and tissues	87
Chapter 7 Plant reproduction	99
Chapter 8 Plant growth	109
Chapter 9 Transport in the plant	121
Chapter 10 Pollination and fertilization	133
Chapter 11 Plant development	149
Chapter 12 Plant propagation	165
Chapter 13 Weeds	181
Chapter 14 Horticultural pests	197
Chapter 15 Horticultural diseases and disorders	233
Chapter 16 Plant protection	263
Chapter 17 Physical properties of soil	295
Chapter 18 Soil organic matter	319
Chapter 19 Soil water	337
Chapter 20 Soil pH	355
Chapter 21 Plant nutrition	365
Chapter 22 Alternatives to growing in the soil	383
Index	401