

Table of contents

Preface to the second edition	1
1 General introduction	
1.1 Concepts, terminology, classification	2
1.2 Environmental conditions	3
1.3 Internal soil conditions	6
1.4 Important groups of soils	8
1.5 Agricultural evaluation	11
1.6 Tropical soil science	13
1.7 Some literature	15
1.8 The following chapters	15
1.9 References	16
2 Arid and semi-arid soils	
2.1 Introduction	17
2.2 Soil-forming factors	17
2.3 Soil-forming processes	20
2.4 Soil characteristics	22
2.5 Soil classification	24
2.6 Some intergrades and related soils	27
2.7 Agricultural evaluation	27
2.8 Regional distribution	28
2.9 References	28
3 Halomorphic soils	
3.1 General introduction	29
3.2 Soil-forming factors	31
3.3 Soil-forming processes	31
3.4 Some characteristic soils	39
3.5 Soil classification	41
3.6 Some intergrades and related soils	42

3.7 Agricultural evaluation	43
3.8 Regional distribution	43
3.9 References	44
4 Ferrallitic soils	
4.1 General introduction	45
4.2 Soil-forming processes	47
4.3 Soil-forming factors	50
4.4 Some characteristic soils	50
4.5 Some intergrades and related soils	51
4.6 Soil classification	53
4.7 Agricultural evaluation	54
4.8 Regional distribution	55
4.9 References	55
5 Ferruginous soils and tropical podzolic soils	
5.1 General introduction	56
5.2 Soil-forming processes	57
5.3 Soil-forming factors	58
5.4 Some characteristic soils	59
5.5 Some intergrades and related soils	61
5.6 Soil classification	61
5.7 Agricultural evaluation	62
5.8 Regional distribution	63
5.9 References	64
6 Tropical Alluvial soils	
6.1 General introduction	65
6.2 Soil-forming processes	67
6.3 Soil-forming factors	73
6.4 Some characteristic soils	74
6.5 Some intergrades and related soils	74
6.6 Soil classification	75
6.7 Agricultural evaluation	76
6.8 Regional distribution	76
6.9 References	77
7 Vertisols	
7.1 General introduction	79
7.2 Soil-forming processes	80

7.3 Soil-forming factors	83
7.4 Some characteristic soils	84
7.5 Some intergrades and related soils	85
7.6 Soil classification	85
7.7 Agricultural evaluation	86
7.8 Regional distribution	87
7.9 References	87

8 Andosols and other Volcanic ash soils

8.1 General introduction	88
8.2 Soil-forming processes	89
8.3 Soil-forming factors	90
8.4 Some characteristic soils	91
8.5 Some intergrades and related soils	91
8.6 Soil classification	92
8.7 Agricultural evaluation	92
8.8 Regional distribution	93
8.9 References	93

9 Some other tropical and subtropical soils

9.1 General introduction	94
9.2 Lowland Tropical Podzols	94
9.3 Mountain soils	96
9.4 Organic soils	97
9.5 References	98