631.410 287 SOIa

CONTENT

		Page
Preface		iii vii
Contributors		
1.	Soil Water Content	1
2.	Matric Potential	75
3.	Water Release Characteristic	111
4.	Hydraulic Conductivity of Saturated Soils	161
5.	Unsaturated Hydraulic Conductivity	209
6.	Particle Size Analysis	271
7.	Bulk Density	329
8.	Liquid and Plastic Limits	367
9.	The Cone Penetrometer in Relation to Trafficability, Compaction, and Tillage	399
10.	The Penetrometer in Relation to Mechanical Resistance to Root Growth	431
11.	Root Growth: Methods of Measurement	447
12.	Gas Movement	511
13.	Soil Temperature Regime	551
Index		613