

Soil Guide: A Handbook for Understanding and Managing Agricultural Soils



A HANDBOOK FOR UNDERSTANDING AND MANAGING AGRICULTURAL SOILS



Compiled and Edited by
Geoff Moore

Geoff Cowles

ISBN	: 9789383692880	Book Format	: Book
Language	: English	Binding	: Hard Bound
Imprint	: United Book Prints	Edition	: 1
Pages	: 294	© Year	: 2019
Weight	: 920 Gms	Trim Size	: 8.70 x 11.70 x 1.50

Print Book : ₹3,950.00

Table of Contents

Acknowledgments

1. About Soilguide

1.1 Introduction

1.2 Site assessment: Soil ready reckoner

2. Soils of south-western Australia

2.1 Soil groups of south-Western Australia

2.2 Soils and landscapes of south-Western Australia

2.3 Distinctive morphological features and their agricultural significance

3. Physical factors affecting water infiltration and redistribution

3.1 Water repellence

3.2 Soil structure decline

3.3 Soil water

3.4 Waterlogging

4. Physical restrictions to root growth

4.1 Hard layers in soils

4.2 Subsurface compaction

5. Chemical factors affecting plant growth

5.1 Soil acidity

5.2 Soil alkalinity and soil sodicity

5.3 Soil salinity

6. Plant nutrition

6.1 Introduction

6.2 Nitrogen

6.2 Nitrogen

6.3 Phosphorus

6.4 Potassium

6.5 Sulphur

6.6 Copper

6.7 Zinc

6.8 Molybdenum

6.9 Manganese

6.10 Boron

6.11 Other nutrients

7. Sustainable soil management

7.1 Wind erosion

7.2 Runoff and Water erosion

7.3 Soil factors influencing eutrophication

7.4 Herbicides: Movement, persistence and activity in soils

8. Crops: soil and climatic requirements

8.1 Wheat

8.2 Barley

8.3 Oats

8.4 Narrow-leafed lupins

8.5 Field peas

8.6 Canola

8.7 Faba beans

8.8 Chickpeas

8.9 Grape vines

8.10 Blue gums

9. Pastures: soil and climatic requirements

9.1 Annual pasture legumes

9.2 Herbaceous perennial legumes

9.3 Perennial grasses

9.4 Pasture shrubs

10. Understanding and interpreting soil chemical and physical data

References (Listed under section headings)

This is computer generated document and does not require signature

Scientific Publishers

Date :- Wed Jun 17 2026