Soil Genesis and Classification. 6th Edition

Description: Soils are natural bodies wherein inorganic components derived from geologic materials combine with organic materials produced by biological activity in ecosystems. The nearly infinite combinations of geologic materials and biological diversity of life on earth have produced a staggering array of chemical, physical, and biological reactions that over time have created the soils that we observe today. In the United States more than 23,000 kinds of soil are formally identified, and the number of soils in the world is not known.

Soil Genesis and Classification, Sixth Edition builds on the strong foundations of this venerable soil science text to present the most current concepts on how soils are formed and sustained within the dynamic changes of ecosystem successions and climatic dynamics. The sixth edition has been fully revised and updated, incorporating more detailed data regarding specific examples of how soils have acquired various characteristics. Methods of communicating and analyzing spatial information have been expanded in light of the latest technological advances. Color plates have also been added to allow readers a better visualization of various soils.

Soil Genesis and Classification, Sixth Edition is a comprehensive work that meets the diverse range of needs from soil science students professionals in fields ranging from agriculture and ecology to civil engineering. The well–established text will be a vital source of information for those with a need to better understand soils and their various impacts on ecosystem functions, on environmental quality, and on the multitude of human endeavors to sustain human life on earth.

Contents: Authors vii
Preface to the First Edition ix
Preface to the Second Edition x
Preface to the Third Edition xi
Preface to the Fourth Edition xiii
Preface to the Fifth Edition xiv
Preface to the Sixth Edition xv
1. Introduction 3
2. Morphology and Composition of Soils 35
3. Soil–forming Factors: Soil as a Component of Ecosystems 89
4. Soil Materials and Weathering 141
5. Soil–forming Processes 163
6. Modern Soil Classification Systems 181
7. U.S. Soil Taxonomy 207
8. Alfisols: High Base Status Soils with Finer–textured Subsoil Horizons 233
9. Andisols: Soils with Andic Soil Properties 249
10. Aridisols: Soils of Dry Regions 265
11. Entisols: Recently Formed Soils 283
12. Gelisols: Very Cold Soils 293
13. Histosols: Organic Soils 307
15. Mollisols: Grassland Soils of Steppes and Prairies 331
16. Oxisols: Low Activity Soils 349
17. Spodosols: Soils with Subsoil Accumulations of Humus and Sesquioxides 361
18. Ultisols: Low Base Status Soils with Finer-textured Subsoil Horizons 375
19. Vertisols: Shrinking and Swelling Dark Clay Soils 385
20. Spatial Arrangement of Soils: Soilscapes and Map Units 397
21. Interpretations of Soil Surveys and Technical Soil Classification 425

Bibliography 437
Index 531

Color plate section located between pages 232 and 233

Ordering:
Order Online - http://www.researchandmarkets.com/reports/2221794/
Order by Fax - using the form below
Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct.

- Product Name: Soil Genesis and Classification. 6th Edition
- Web Address: http://www.researchandmarkets.com/reports/2221794/
- Office Code: SCD2JE9O

Product Format
Please select the product format and quantity you require:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>USD 96 + USD 29 Shipping/Handling</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hard Copy (Hard Back):</td>
<td></td>
</tr>
</tbody>
</table>

* Shipping/Handling is only charged once per order.

Contact Information
Please enter all the information below in BLOCK CAPITALS

<table>
<thead>
<tr>
<th>Title:</th>
<th>Mr ☐</th>
<th>Mrs ☐</th>
<th>Dr ☐</th>
<th>Miss ☐</th>
<th>Ms ☐</th>
<th>Prof ☐</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Name:</td>
<td>____________________________</td>
<td>Last Name:</td>
<td>____________________________</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Email Address: *</td>
<td>____________________________</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Job Title:</td>
<td>____________________________</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Organisation:</td>
<td>____________________________</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Address:</td>
<td>____________________________</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>City:</td>
<td>____________________________</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Postal / Zip Code:</td>
<td>____________________________</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Country:</td>
<td>____________________________</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phone Number:</td>
<td>____________________________</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fax Number:</td>
<td>____________________________</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:

- Account number: 833 130 83
- Sort code: 98-53-30
- Swift code: ULSBIE2D
- IBAN number: IE78ULSB98533083313083
- Bank Address: Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: _______________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World