

The Standard Reference for Medicinal and Aromatic Plant Cultivation

Manual of Medicinal and Aromatic Plant Cultivation Volume 1-5

The manual is intended as a work of guidance and reference for professionals, students and scientists in the fields of agriculture and gardening, medicine and pharmacy, nutritional sciences, cosmetics, natural products research, for employees of administrative bodies, advisers and laypeople with an interest in the subject.



The 5 volumes' 3,584 pages feature input from 156 renowned authors from 8 nations.

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Review of the Manual of Medicinal and Aromatic Plant Cultivation

The fact that the Textbook and Manual of Medicinal and Aromatic Plant Cultivation, which enjoys major international renown, by Prof. Erich Fuerchtegott Heeger (1907-1959), latterly Director of the Institute of Specialised Crops at the Karl Marx University of Leipzig, not only lives on in no fewer than five volumes, but has also been massively extended on an interdisciplinary basis, is of tremendous importance both from a scientific perspective and from a practical one. The initiator and publisher of the extended and updated new edition of the manual, Mr. Bernd Hoppe/Bernburg, has successfully brought on board 155 internationally renowned authors from 8 nations for the five volumes, and also contributed his own tremendous practical and scientific expertise. The series of books, published independently by the Verein fuer Arznei- und Gewuerzpflanzen SALUPLANTA e.V. Bernburg, covers every aspect of medicinal and aromatic plant cultivation.

In volume 1, unlike any other manual there is, there are chapters dealing with the most common plant substances, their effects and efficacy, as well as their toxicology, possible allergies and interactions, all written by authors with vast specialist and factual expertise. The cultivation, growing, variety testing and variety propagation of medicinal and aromatic plants are also discussed with equal professionalism. Last but not least, there are 48 pages dedicated to the possible uses of medicinal and aromatic plants for therapeutic and prophylactic applications, as well as for nutritional purposes.

In volume 2, the publisher has obtained contributions from highly respected specialists on both controlled integrated and controlled organic cultivation. The chapter on analytical quality control, along with the chapters on fresh plant pressed juices, steam distillation and CO₂ extraction, discussed with a level of detail found in no other textbook or manual, are complemented by four further chapters to make up the total of 768 pages in the second volume. Growers of medicinal and aromatic plants and pharmacists should own a copy of both volumes, especially if they are involved in the pharmaceutical industry, since they contain scientific principles along with a vast amount of practice-based, experiential knowledge.

Volume 3 sets out the possible diseases and damage that can affect medicinal and aromatic plants in great detail, described by highly respected experts and illustrated with pictures. Thanks to the authors' concise way of conveying their knowledge, a browse through this 416-page volume turns up a surprisingly long list of abiotic damage, parasitic plants, fungi, animal pests, bacteria including phytoplasmas and viruses that can affect medicinal and aromatic plants. Volume 3 is a must-have for any medicinal and aromatic plant grower, especially since there is no other manual of this excellence available in German.

Alongside the in-depth and thorough explanations of all aspects of medicinal and aromatic plant cultivation in the first three volumes, volumes 4 and 5 continue the theme seamlessly, discussing the medicinal and aromatic plants of greatest medicinal, nutritional and economic importance as special monographs, thereby breathing new life into the out-of-print series of books entitled: "Handbuch der Drogenkunde" (Drugs Handbook) by F. Berger (1949-1967). The aim of the fourth and fifth volume is to provide important information on how plants are used and what

they contain, on botany, on climate and soil requirements, on positions in crop rotation, on varieties and origins, on cultivation and on how to work with medicinal and aromatic plants.

The "Manual of Medicinal and Aromatic Plant Cultivation" series, published independently by the Verein fuer Arznei- und Gewuerzpflanzen SALUPLANTA e.V. Bernburg as an extended and updated continuation of the work by "E. F. Heeger", is arguably the only one of its kind in the world, and the initiative by publisher Mr. Bernd Hoppe deserves first-class recognition. The results of scientific research, combined with practical experience, all condensed into this splendid series of books, are impossible to substitute with information from the Internet, no matter how good it may be. This series of books is an absolute "must" for all libraries in agricultural institutions (technical colleges and universities) and institutes of pharmaceutical biology.

Univ. Prof. Dr. Dr. h. c. mult. Heinz Schilcher
Immenstadt/Allgaeu

Volume 1: Principles of Medicinal and Aromatic Plant Cultivation I

800 pages, 43 authors, 165 colour photographs, 2 black&white photographs, 64 illustrations, 106 tables.

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Volume 2: Principles of Medicinal and Aromatic Plant Cultivation II

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Volume 3: Diseases and Damage That Can Affect Medicinal and Aromatic Plants

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 Aniseed (*Pimpinella anisum* L.)
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 Mugwort (*Artemisia vulgaris* L.)
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 Hyssop (*Hyssopus officinalis* L.)

Volume 4: Medicinal and Aromatic Plants A - K

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Aniseed (*Pimpinella anisum* L.)

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 Marsh Mallow (*Althaea officinalis* L.)
 Verbena (*Verbena officinalis* L.)
 Gentian (*Gentiana lutea* L.)
 Tarragon (*Artemisia dracuncululus* L.)
 Foxglove (*Digitalis purpurea* L.)
 Grecian Foxglove (*Digitalis lanata* Ehrh.)
 Lady's Mantle, Common (*Alchemilla vulgaris* L.)
 Cress (*Lepidium sativum* L.)
 Salad Burnet (*Sanguisorba minor* Scop. ssp. *minor*)
 Ginkgo (*Ginkgo biloba* L.)
 Ginseng (*Panax ginseng* C.A. Meyer)
 Goldenrod (*Solidago virgaurea* L.)
 Hemp (*Cannabis sativa* L.)
 Motherwort (*Leonurus cardiaca* L.)
 Elderberry (*Sambucus nigra* L.)
 Dog Rose (*Rosa canina* L.) and other species of wild rose (*R.* sp.)
 St. John's Wort (*Hypericum perforatum* L.)
 Chamomile (*Matricaria recutita* L.)
 Chervil (*Anthriscus cerefolium* [L.] Hoffm.)
 Garlic (*Allium sativum* L.)
 Woolly Mullein (*Verbascum phlomoides* L.)
 Coriander (*Coriandrum sativum* L.)
 Cornflower (*Centaurea cyanus* L.)
 Madder (*Rubia tinctorum* L.)
 Caraway (*Carum carvi* L.)

Volume 5: Medicinal and Aromatic Plants L - Z

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- e. Species and origins
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- g. Harvest and after-harvest treatment
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Lavender (*Lavandula angustifolia* Mill.) and hybrid lavender (*L. x intermedia* Emeric ex Loisel)

Maral Root (*Leuzea carthamoides* DC.)

Lovage (*Levisticum officinale* W.D.J. Koch)

Common Scurvygrass (*Cochlearia officinalis* L.)

Dandelion (*Taraxacum officinale* sensu auct. non Wiggers)

Meadowsweet (*Filipendula ulmaria* [L.] Maximowicz)

Marjoram (*Origanum majorana* L.)

Hollyhock, French (*Malva sylvestris* L. ssp. *sylvestris*) and Mauritanian Mallow (*Malva sylvestris* L. ssp. *mauritanica* [L.] Aschers. et Graebn.)

Milk Thistle (*Silybum marianum* [L.] Gaertn.)

Horseradish (*Armoracia rusticana* Gottfr. Gaertn., B. Mey. et Scherb.)

Medicinal Rhubarb (*Rheum palmatum* L. and *Rheum officinale* Baill.)

Melissa (*Melissa officinalis* L.)

Opium Poppy (*Papaver somniferum* L.)

Monk's Pepper (*Vitex agnus-castus* L.)

Rye Ergot (*Secale cornutum* [Fries] Tulasne)

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Butterbur (*Petasites hybridus* [L.] Gottfr. Gaertn., B. Mey. et Scherb.)

Parsley (*Petroselinum crispum* (Mill.) Nyman ex A.W. Hill)

Peppermint (*Mentha x piperita* L.)

Violet Willow (*Salix daphnoides* Vill.)

Common Tansy (*Tanacetum vulgare* L.)

Pot Marigold (*Calendula officinalis* L.)

Rye (*Secale cereale* L.)

Rosemary (*Rosmarinus officinalis* L.)

Sage (*Salvia officinalis* L.)

Sea Buckthorn (*Hippophae rhamnoides* L.)

Blue Fenugreek (*Trigonella caerulea* [L.] Ser.)

Yarrow (*Achillea millefolium* L.)

Cowslip (*Primula veris* L., *P. elatior* [L.] Hill.)

Chive (*Allium schoenoprasum* L.)

Greater Celandine (*Chelidonium majus* L.)

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Ribwort Plantain (*Plantago lanceolata* L.)

Thorn Apple (*Datura stramonium* L.)

Melilot (*Melilotus officinalis* [L.] Lam.)

White Melilot (*Melilotus albus* Medic.)

Hollyhock (*Alcea rosea* [L.] Cav. var. *nigra* hort.)

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 Deadly Nightshade (*Atropa bella-donna* L.)
 Jerusalem Artichoke (*Helianthus tuberosus* L.)
 Woad (*Isatis tinctoria* L.)
 Hawthorn (*Crataegus* spp.)
 Wormwood (*Artemisia absinthium* L.)
 Hyssop (*Hyssopus officinalis* L.)

- a. Use and ingredients
- b. Botany
- c. Climate and soil requirements
- d. Origins
- e. Perspectives and notes on cultivation

Types of wild onion (*Allium* spec.)

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