Diseases of Woody Ornamentals and Trees in Nurseries. Edited by R.K. Jones and D.M. Benson. 2001. APS Press – The American Phytopathological Society, St. Paul, 482 pp. Price $ 88.00. ISBN 0–89504–264–2.

This is an extremely interesting and valuable book due to its subject and quality of editing and printing. Woody ornamentals are not only important element of public parks and private gardens but also form important part of the nursery industry. Diseases are a constant threat to a single tree in a private garden but particularly in nurseries from which they may be spread on large territories.

This book will be of great help in the diagnosis of diseases and selection of a proper management strategy to reduce or eliminate losses from diseases.

The book is voluminous as it contains 101 chapters, one appendix, glossary, index and color plates.

Two first introductory chapters contain general information and data on plant disease development calendar on most common woody ornamentals.

In Part 1 – "Abiotic causes of diseases" six major categories of abiotic agents of plant diseases are discussed, among them are environmental and weather related factors, excess soluble salts in the soil, pesticide phytotoxicity and air pollution injury.

Part 2 – "Biotic causes of diseases" contains five chapters (4–8) that present short characteristic of biotic agents such as fungi, bacteria, plant–parasitic nematodes, viruses and phytoplasmas.

Part 3 – "General diseases" has eleven chapters (9–19) dealing with polyphagous pathogens that attack many plant species, among them are: *Botrytis cinerea, Agrobacterium tumefaciens, Cylindrocladium* spp., *Pythium* spp., *Phytophthora* spp., *Erysiphe* spp., *Pseudomonas syringae, Rhizoctonia* spp., *Sclerotinia rolfsii, Verticillium dahliae* and *V. albo–atrum*.

Part 4 – "Diseases of specific crops" has sixty five chapters (20–84) describing pathogens attacking following plant species or genera: *Thuja* spp., *Fraxinus* spp., *Aucuba japonica, A. azaleas, Berberis* spp., *Betula* spp., *Buxus* spp., *Camellia* spp., *Cedrus* spp., *Cotoneaster* spp., *Lagerstroemia* spp., *Cryptomeria japonica, Daphne* spp., *Cornus* spp., *Elaeagnus* spp., *Ulmus* spp., *Hedera helix, Euonymus* spp., *Fatsia* spp., *Abies* spp., *Malus* spp., *Pyrus* spp., *Forsythia* spp., *Gardenia jasminoides, Ginko biloba, Crataegus* spp., *Hibiscus* spp., *Ilex* spp., *Gleditsia japonica, Hydrangea* spp., *Raphiolepis* spp., *Ixora coccinea, Juniperus* spp., *Leucothoe* spp., *Syringa* spp., *Tilia* spp., *Lonicera* spp., *Magnolia* spp., *Acer* spp., *Kalmia latifolia, Nandina domestica, Nerium oleander, Osmanthus* spp., palm disease (*Cocos nucifera, Phoenix dactylifera*), *Photinia* spp., *Peris* spp., *Pinus* spp., *Pittosporum* spp., *Podocarpus* spp., *Populus* spp., *Prunus* spp., *Pyracantha* spp., *Cercis* spp., *Rhododendron* spp.,

Rosa spp., *Platanus* spp., *Taxus* spp., *Ternstroemia gymnanthera, Liriodendron tulipifera, Viburnum* spp., *Myrica* spp.

Part 5 – "Diseases management" has seventeen chapters (85–101) dealing with various aspects of prevention and control of various groups of pathogens. Four first chapters deal with general aspects of integration of methods with control and prevention of diseases in the nursery. Special emphasis was given to sanitation and horticultural practices to reduce diseases development. Separate chapters deal with control of fungal, bacterial, viral and nematode diseases. List of fungicides and bactericides used for protection of ornamental crops in the nurseries is the subject of two separate chapters. Also use of resistant varieties, biological control methods and tissue culture in disease management were discussed in specific chapters.

The book is unique in respect to a great number of ornamental plants treated and extremely valuable information concerning diagnosis and control of all kind diseases that may occur in nurseries.

Jerzy J. Lipa
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