

Book Reviews

Teviotdale B.L., Michailides T.J., Pscheidt J.W. (eds.) 2002. *Compendium of Nut Crop Diseases in Temperate Zones*. APS Press – The American Phytopathological Society. St. Paul, Minnesota, USA. 86 pp. ISBN 0-89054-284-8

This book is designed as a practical reference for the identification, cause, diseases cycle, epidemiology and control of disease of the following nut trees and shrubs: almonds (*Prunus dulcis*), hazelnut (*Corylus avellana*), pecan (*Carya illinoensis*), pistachio (*Pistacia vera*) and walnut (*Juglans regia*).

Part I “Diseases and disorders affecting several nut crops” (p. 1–17) covers eight fungus diseases caused by *Phytophthora*, *Verticillium* and *Armillaria* species and by nematodes belonging to genera *Xiphinema*, *Mesocricinema*, *Meloidogyne* and *Pratylenchus*.

Part II “Almond diseases” (p. 18–42) describes over twenty fungus, five bacterial, three phytoplasma, four virus and nine noninfectious diseases. To a group of major pathogens belong five fungi *Monilinia laxa*, *M. fructicola*, *Ceratocystis fimbriata*, *Phomopsis amygdali*, *Polystigma ochraceum* and one bacterium *Pseudomonas syringum*.

Part III “Hazelnut diseases” (p. 43–50) describes several fungus bacterial and viral pathogens. To major pathogens belong: fungus *Anisogramma anomale*, bacterium *Xanthomonas campestris* and hazelnut mosaic caused by a complex of viruses including apple mosaic virus (ApMV).

Part IV “Pecan diseases” (p. 51–63) includes description of several fungus diseases caused by *Glomerella cingulata*, *Mycosphaerella caryigena*, *Phytophthora cactorum* and others.

Part V “Pistachio diseases” (p. 64–75) includes descriptions of several pathogenic fungi e.g. *Aspergillus niger*, *Eutypa lata*, *Botryosphaeria dothidea* and *Septoria pistacina*.

Part VI “Walnut diseases” (p. 76–85) describes mainly fungus diseases caused by *Gnomonia leptostyla*, *Hendersonula toruloides*, *Microstroma juglandis* and few other. Important diseases are also caused by bacteria: *Erwinia rubrifaciens*, *E. nigrifluens* and *Xanthomonas campestris* pv. *juglandis*. In Europe quite common is a blackline virus disease caused by cherry leafroll nepovirus (CLRV-W).

Each disease is described according to the following sections: symptoms, casual organisms, diseases cycle and epidemiology, control and selected references.

The book contains 189 color photographs that well illustrate symptoms of various diseases securing proper diagnosis.

Certainly, plant protection specialists and orchard owners will find in this book many information useful in keeping nut crops in good health.

Jerzy J. Lipa
Institute of Plant Protection, Poznań, Poland