

BOOK REVIEW

Karasev A.V. and Hilf M. E. (Eds.). 2010.
Citrus Tristeza Virus Complex and Tristeza Diseases.
 APS Press – The American Phytopathological Society,
 St. Paul, MN, USA, 304 pp.
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As indicated in the „Preface“ (p. iii) *Citrus tristeza virus* (CTV) is considered as one of the most important viruses known to date. This is due to: (1) the worldwide distribution of citrus growing, and (2) due to high value of citrus crops.

For the above reasons the Editors invited 42 specialists who contributed 15 chapters arranged in five subject sections. Thanks to that the readers obtain a very good knowledge on history of research of CTV and the attempts of management of this disease in different countries and world regions.

Section I – „Disease Description“ (p. 1–49) contains two chapters: Chapter 1 – „The history of *Citrus tristeza virus* – revisited (p. 3–26) and Chapter 2 „Citrus tristeza diseases – a worldwide perspective“ (p. 27–49). Of particular interest is information on: (1) global expansion of citrus production during the last two centuries and its phytopathological costs; (2) the *Phytophthora* pandemic and the advance of Tristeza; (3) the search for the casual agent; (4) graft transmission of quick decline and aphid transmission of Tristeza; (5) viral aspects of CTV and the complicated CTV economy.

Section II „Molecular Biology of the Pathogen“ (p. 53–72) contains five chapters: Chapter 3 „Molecular genetics of *Citrus tristeza virus* (p. 53–72); Chapter 4 „Interference or insurance? More questions than answers on the

roles of multiple detective RNAs of *Citrus tristeza virus*“ (p. 73–93). Chapter 5 „Identification and characterization in silencing suppressors encoded by *Citrus tristeza virus*“ (p. 95–102). Chapter 6 „The tail that wags the virus: recombination defines two gene modules and provides for increased genetic diversity in a narrow-host-range plant virus“ (p. 103–118). Chapter 7 „*Citrus tristeza virus* and the taxonomy of *Closteroviridae*“ (p. 119–129).

Section III „Aphid transmission and epidemiology of *Citrus tristeza virus*“ (p. 130–183) contains three chapters: Chapter 7 „*Citrus tristeza virus* and taxonomy of *Closteroviridae*“ (p. 119–129). Chapter 8 „Concepts in the epidemiology of *Citrus tristeza virus*“ (p. 133–149). Chapter 9 „Transmission and spread of *Citrus tristeza virus* in Central California“ (p. 151–165). Chapter 10 „Nucleotide sequence-based detection, analysis, and variation among California *Citrus tristeza virus* isolates“ (p. 167–183).

Section IV „Resistance to *Citrus tristeza virus* in *Citrus* spp.“ (p. 185–216) contains two chapters: Chapter 11 „Toward positional cloning of the *Citrus tristeza virus* resistance genes“ (p. 187–201). Chapter 12 „Pathogen-derived resistance to *Citrus tristeza virus* in transgenic citrus plants“ (p. 203–216).

Section V „Management of CTV – a worldwide experience“ (p. 217–260) contains three chapters: Chapter 13 „Eradication of Tristeza in the Central Valley of California (p. 219–232). Chapter 14 „*Citrus tristeza virus* regulation in the State of Florida“ (p. 233–245). Chapter 15 „Managing *Citrus tristeza virus* losses using cross protection“ (p. 247–260).

It is absolutely true what emphasize Editors that „*This book will be of interest to plant pathologists, horticulturists and graduate students in plant pathology and related sciences*“.

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