

Natural Resistance Mechanisms Of Plants To Viruses

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Preface. Contributors. Part A. General Aspects. 1. Applied aspects of induced resistance to plant virus infection. 2. Viral determinants of resistance versus susceptibility. 3. RNA silencing: a natural resistance mechanism in plants. 4. Recognition and signal transduction associated with R gene-mediated resistance. 5. The local lesion response. 6. Induced resistance mechanisms. 7. Host gene-mediated virus resistance mechanisms and signaling in Arabidopsis. 8. Viral counter-defense molecules. 9. Dark green islands; the phenomenon. 10. Resistance to infection. 11. Reducing virus associated crop loss through resistance to insect vectors. 12. Cross-protection. 13. Arrest in viral transport as basis for plant resistance to infection. 14. Plant metabolism associated with resistance and susceptibility. Part B. Crop Related. 1. Resistance to viruses in potato. 2. Common beans. 3. Virus susceptibility and resistance in lettuce. 4. Resistance to tobacco mosaic virus and tomato mosaic virus in tomato. 5. Resistance to Turnip mosaic virus in the Brassicaceae. 6. Virus resistance in rice. 7. Cassava. 8. Natural resistance mechanisms to viruses in barley. 9. Resistance to tomato yellow leaf curl virus in tomato. EAN/ISBN : 9781402037801
Publisher(s): Springer Netherlands Format: ePub/PDF Author(s): Loebenstein, Gad - Carr, John Peter

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