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Nota di contenuto	Preface -- Major fungal foliar diseases of arid legumes and their sustainable management for improving productivity in rain fed areas of India -- Management strategies of foliar diseases of chickpea -- Management of soil borne pathogens of pulses grown in Saudi Arabia through PGPRs -- Management of fungal diseases through application of beneficial rhizobacteria consortia -- Crop health management of pulses through application of PGPR and organic fertilizers technology -- Application of PGPR and Biocontrol for management of pigeon pea diseases -- Soil and crop health management of pigeon pea pathogens through the application of bacteria -- Characterizations of chickpea wilt pathogens and their management -- Foliar fungal diseases of Vigna spp.: Overview and management -- Diversity of Phytophora stem

blight of piegonpea and their sustainable management -- Management of lentil wilt for its sustainable utilization -- Management of soil born fungal diseases of Vigna spp..-Detection of major fungal pathogens affecting pulses in India by using molecular methods -- Appendix: Research Institutes/ Labs working on pulses -- Index.-.

Sommario/riassunto

Pulses have played a major role in human diet and are considered a rich source of proteins. But, the major constraints in achieving the yield of pulses are the occurrences of various diseases and pests. Hence, there is a need to understand major fungal pathogens and their management strategies for sustainable agriculture. The major pulse crops in India and other Asian countries are bengal gram, pigeon pea, black gram, green gram, lentil and peas, which are attacked by several pathogens that cause considerable crop damage. Bengal gram is affected mainly by wilt (Fusarium oxysporum f. sp. ciceri), blight (Mycosphaerella pinodes) and rust (Uromyces ciceris-arietini). The main diseases of pigeon pea are wilt (Fusarium oxysporum) and Phytophtora stem blight (Phytophthora drechsleri f. sp. cajani). Powdery mildew (Erysiphe polygoni) and rust (Uromyces vicia-fabae) are the most important diseases affecting the production of pea. This volume offers details like symptoms, distribution, pathogens associated, predisposing factors and epidemiology, sources of resistance and holistic management of diseases with particular reference to those of economic importance. Several minor diseases of lentil, green gram and of black gram are discussed with their detailed and updated information. This volume provides pooled information regarding the management of major fungal phytopathogens affecting pulses. .