

Soil-Borne Pathogen-Mediated Root Rot Diseases of Sugar Beet and Their Management

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Abstract

Sugar beet (*Beta vulgaris* L.) is the most important, nutritious, and forage crop globally. World's one fourth of sugar production is dependent only on sugar beet crop. Every year, farmers suffer a havoc production loss due to biotic stresses. Soil-borne pathogen-mediated root rot diseases of sugar beet are considered as a key constrain for beet cultivation. Various soil-borne pathogens like *Rhizoctonia solani*, *Macrophomina phaseolina*, *Sclerotium rolfsii*, *Aphanomyces cochlioides*, *Phytophthora drechsleri*, *Fusarium oxysporum* f.sp. *radicis-betae*, and *Phoma* sp. cause root rot symptoms. Various symptomatic characterizations such as wilting of whole shoot system, brownish-black discoloration at the petiole,