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DISTRIBUTION AND PATHOGENICITY OF CERCOSPORA LEAF SPOT ON SUGAR BEET IN SOME PROVINCES OF TURKEY

ABSTRACT

Cercospora beticola is one of the most important widespread and destructive diseases of sugar beet in Turkey. Surveys were conducted seven provinces of Black Sea, Central Anatolia and Marmara regions of Turkey from June to September, 2011. A total of 287 sugar beet fields examined for *Cercospora* and other fungal diseases. Of the 287 field samples, 174 (60.6%) was infested with *C. beticola* in the surveyed areas. The occurrence of *Cercospora* disease differed significantly from province to province. While examined all fields were contaminated with *C. beticola* in Kastamonu province but only 19.4% field contaminated with it in Eskişehir province. Identified other fungal species and genus were *Alternaria* spp., *A. alternata*, *Erysiphe polygoni*, *Fusarium* spp., *F. sacchari*, *F. solani*, *F. verticillioides*, *Phoma beticola*, *Phytophthora megasperma*, *Rhizoctonia solani*, *Sclerotium rolfsii*, *Verticillium* sp., etc. The present study shows that *C. beticola* still has importance for decreasing quality and quantity of sugar beet in Turkey. Susceptible variety Valentina's seeds were sown in plastic pots in the climatic room for pathogenicity test. Selected 45 isolates of *C. beticola* from surveyed provinces and different locations will be used for this treatment. Thus we will be learn differences of isolates among different locations later.

DISTRIBUTION ET PATHOGENICITE DE LA CERCOSPORIOSE SUR BETTERAVES SUCRIERES DANS CERTAINES REGIONS DE LA TURQUIE

RÉSUMÉ

French summary not available.

VERTEILUNG UND PATHOGENITÄT DER CERCOSPORA-BLATTFLECKENKRANKHEIT BEI ZUCKERRÜBEN IN EINIGEN GEBIETEN DER TÜRKEI

KURZFASSUNG

German summary not available.