

THE STUDYING ADVANCES AND PROSPECTS FOR FUNGOUS DISEASES OF SUNFLOWER  
IN CHINA

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SUMMARY

The achievements for studying fungous diseases of sunflower for last ten years in China were systematically described in the paper. According to preliminary investigations and related reports, 20 fungous diseases of sunflower have been found in China, which are distributed over 20 provinces(autonomous regions). Of those diseases, Alternaria helianthi, Septoria helianthi, Plasmopra helianthi and Sclerotinia sclerotiorum did the most serious damage to sunflower in some provinces(autonomous regions). Therefore, the studying advances for the morphologic and biological characters of the 4 pathogens, cycle of infections, regularity of epiphytotic and control methods of the 4 diseases were reported in detail. The analyses showed that as far as the future studies for the fungous diseases of sunflower in China, some work should be done as follows: 1) further investigating the unknown fungous diseases; 2) formulating a unified classification standard for investigating the diseases; 3) breeding for resistance to disease; 4) identifying the races of the pathogens; and 5) chemical control.