

NEW RACE OF BROOMRAPE IN SOUTH REGION OF UKRAINE

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ABSTRACT

Nearly all plants of well-known hybrid Brio (Syngenta) which were sown in 2013 in the fields of Izmail district of Odessa region were infected with broomrape. There were 10 to 15 sprouts of parasite on each plant of hybrid. We collected seeds from this broomrape plants and infected, in controlled conditions (greenhouse) the differential lines of sunflower LC-1093 (F) and RO-1-1(G). Susceptibility of these lines was 92% and 36% with the intensity of the defeat 5.7 and 0.6 respectively. So there was appearing the new virulent race H of broomrape. The results of this research show that there is a big risk to grow hybrids of sunflower with the stability to F race of broomrape in South region of Ukraine.

Key Words : broomrape, virulent race H