

Behavior of some sunflower cultivar at the broomrape attack in Romania

V. Jingax , H. Iliescux , S. Stefanx , D. Manolexx x Research Development Institute for Plant Protection Bucharest xx SC Sport Agra srl ,Amzacea- Dobrogea
E-mail: secretariat_stiintific@icdpp.ro

ABSTRACT

One of the most dangerous parasites on the plants there is Broomrape (*Orobanche* spp) in Romania. On sunflower fields were identified the population of weedy broomrapes of *Orobanche cumana* Wallr. It was shown a significant dissemination, especially in the south and south-eastern area of the country. The behavior of some sunflower cultivars against *O. cumana* were studied under artificial inoculation and natural contamination conditions. In the artificial inoculation conditions, experiments performed at the Research Development Institute for Plant Protection Bucharest, hybrids HS 1900, Turbo, Justin and Favorit have showed an absolute resistance. In natural contamination at SC Sport Agra srl ,Amzacea- Dobrogea, best result have showed: Rigasol, Flores, Albani Florena, Sunay, Favorit, Festiv and Turbo. The influence of specific herbicides on phanerogamous *O. cumana* was studied. Key words: broomrape, sunflower, hybrids, behaviors. Sunflower breeding for resistance to the new broomrape race