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RACES OF BROOMRAPE PRESENT IN SOUTH-EASTERN ROMANIA

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ABSTRACT

In countries around the Black Sea, such as Romania, Bulgaria, Turkey, Ukraine, Russia is present the most virulent races of broomrape (*Orobanche cumana* Wallr). In south-east of Romania, in location Braila, in years 2022 and 2023 we identify races A, B, C, D, E, F, G, H, I or more. In every year we tested differential set with sunflower genotypes for identified races of broomrape present in this area. In flowering time of sunflower genotypes, we make notation about attack degree of broomrape and we observe a higher virulence in year 2022 then in year 2023. An additional differential genotype, old Romanian variety Neagra de Cluj (accession PI 650368), was resistant at broomrape race HRO or IRO in both years. Neagra de Cluj, can be included in international set of differential for races G, H and I of parasite *Orobanche Cumana* and is provided by North Central Regional Plant Introduction Station (NCRPIS), part of United States National Plant Germplasm System (NPGS).

Key words: sunflower, broomrape, races