



Valoarea agronomică a hibrizilor de floarea-soarelui creați de ITC București în condiții de neirigat (2000-2001)

BAGIU C., Ludmila GUMANIUC - S.C. International Trading Company București

The main objectives of sunflower breeding program at S.C. ITC București were: (i) to obtain the earliness sunflower hybrids having favorable agronomic traits; (ii) high stability of yield under 3 various area conditions; (iii) high resistance to the main diseases : *Plasmpara helianthi*, *Phomopsis helianthi* and parasite weed: *Orobanche* spp; (iv) high resistance to abiotic stress (drought and heat) . In this paper was presented the behavior of sunflower hybrids produced by S.C. ITC București during 2000-2001 under nonirrigated conditions from three different locations (Vidra, Teleorman, Marculești). As results, a number of five hybrids, HS 25/99; HS 5/99; HS 29/99; HS 13/99 and HS 28/99, under nonirrigated conditions registered significant grain yields of 3223-3531 kg/ha as compared with Coril (control), 3180 kg/ha respectively. The superiority of the grain yield at the hybrid HS 30/99 of 3301 kg/ha against the Select (control) of 3258 kg/ha, respectively was registered The semnificative correlations between yield and earliness, yield and diameter of head, yield and wheight of 1000 seeds, were obtained.