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## Research on the use of amino acid products in the treatment of sunflower crops

**Mihai Gidea, Gonzalez Joaquin, Laura Mihaela Iosub, Marina Simona Dogaru, Constantin Afrodin Rusu**
University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania

Due to the high oil content and ecological plasticity, sunflower is grown on large surfaces, reaching 20 million to 26 million ha worldwide (FAOSTAT). Due to the biological peculiarities, sunflower is a culture that requires special attention from the farmers because it has sensitivity to imbuking, to drought, to the preparation of germinative bed, and some hybrids are susceptible to diseases and Orobanche sp. Lately, specialists in agriculture have proposed using amino acid products as a solution to reduce the stress caused by external factors on sunflower crops. The researches were carried out in the Romanian Field at Experimental Farm M Domneasca, under the conditions of the process, in a monofactorial experience with the following variants: 1. Witness; 2. Raiza mixed seed treatment 4l / t (RM); RM + Naturamin WSP (NW) x 2 x 0.5 l / ha; 4. RM + NW 2x0.5 + Retenol 1% o (R); 5. Rm + NW 2x0.5 + R 1% o + Pleniflor 0.8 l / ha (P); 5. RM + NW 2x0.5 + R 1% o + P + Terrenova 1l / ha. During the research, the uniformity of growth, biomass accumulation, chlorophyllity and yields were monitored. Research has shown that all treatments with amino acid products have had a stimulating effect on sunflower culture. The production growes obtained were statistically assured.

### Biography

Mihai Gidea is form University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania

gideam@yahoo.com

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