



Determinarea unor parametrii chimici în diferite fenofaze la specia *Sorghum halepense* L.

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The Johnson grass is very good adapted to a wide range of soils, climatic and biological conditions. In the presence of some agrochemical, chemical, biological and physical factors. Staring from this issue in the present work we studied the biological modifications which occur in the plant of *Sorghum halepense* growth in BBCH stages 10 – 69. Also total N, protein, P and K content in rhizomes, steam, leaves and panicle was determined. The chemical analyzes was conducted after a reported method, the N quantity was established after Kjeldahl method the amounts of P and K was determinate using the colorimetrical method. After chemical analysis the result reveals that the highest total N quantity is present in the first growth stages. The N total content varied between 0,450% and 2,442%, and the highest concentration was determined in BBCH 18. Potassium content in Johnson grass plants ranged between 0,8% and 3,95%. For phosphorus content great fluctuation were not recorded, (0,3 – 1,0).