

RESEARCH ON THE PRODUCTIVITY AND QUALITY OF SOME WHEAT VARIETIES IN THE PEDOCLIMATIC CONDITIONS OF EAST BOTOSANI COUNTY, ROMANIA

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Abstract

The main purpose of the research was to test the productive and qualitative potential of 20 Romanian and foreign wheat varieties, from seven seed producers: Axereal, INCDA Fundulea, ITC Seeds, KWS, Lidea, Limagrain and RWA. The studies were carried out in the 2021/2022 agricultural year, in the vegetable farm belonging to the Samis Urban SRL company, from Mihălașeni, Botoșani county, under non-irrigated conditions. The main parameters monitored were production, MMB, MH, protein content and wet gluten. After centralizing the data, we can see that the highest production was obtained with the Absalon variety and was 6189 kg/ha; The highest MH was determined in the Ursita variety, this being 86 kg/hl; the highest protein content was obtained in the Voinic variety (14.3%), which also has the highest amount of wet gluten (36.9%). From the comparative analysis of the data we find that there is no positive correlation between the analyzed parameters.

Key words: protein, gluten, yield, *Triticum aestivum* L.