



## The effect of the fertilization and cultivar on some quality traits at the winter wheat

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In the environmental conditions of the agricultural years 2005/2006, 2007/2008 and 2008/2009 on a chernozem soil, it was studied the influence of fertilization on protein content, wet gluten, dry gluten, starch, the volume and the bread weight at 12 wheat varieties. Analyzing the influence factors investigated on the interaction of quality indicators, it appears that the highest percentage of crude protein was recorded at the N120P80K80 X Crina cultivar variant with a value of 15.73%; the highest dry and wet gluten content was recorded at the N120P80K80 X Boema variant with a value of 33.80 and 8.62% respectively; the maximum starch content was found at the N0P0K0 X Moldova 83, of 66.42%; the largest volume of the bread was recorded at N120P80K80 X Beti and N120P80K80 X Iași 2 of 501 cm<sup>3</sup> and the highest bread weight of 146.0 g at N120P80K80 X Beti variant.