TECHNOLOGICAL QUALITIES OF LOCAL WHEATS FOR BREAD PRODUCTION

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ABSTRACT

Wheat is the most important agricultural crop in the world and in our country. It is the main source of energy, respectively daily calories and of some minerals and B complex group vitamins in human nutrition. Exactly in our country we have an annual production that satisfies the needs of about 57%, and the import depends on its quality and yield. Therefore, this paper has the main object to study the physical, chemical and rheological qualities of wheat cultivated in different regions of Kosovo for bread production; this product which is still mostly consumed in our country. The results of the analysis show that the analysed grains have average physical quality which means that they can be stored and ground without any problem. From chemical qualities such as protein content, respectively gluten is ideal for bread production. Rheological analyses show that we are dealing with doughs with very good water absorption capacity of 59.67 ± 1.364%, as well as with the degree of softening, resistance, energy and maximum viscosity ideal for bread production.

Key words: gluten, physical qualities, rheological qualities, wheat.