ANALYSIS OF SOME VARIETIES OF WINTER BARLEY (HORDEUM VULGARE) FOR BEER IN THE CLIMATIC CONDITIONS OF DUKAGJINI PLAIN

Nexhdet Shala[1] Violeta Berlajolli[2] Bakir Kelmendi[3] Ismajl Cacaj[4] Defrime Berisha[5]

[1]Technologist in producing brewery Sh. A.”Birra Peje,Peja, KosovaEmail: nshala10@hotmail.com
[2] Public University "Haxhi Zeka" – Eliot Engel.Pejë, Kosovo
Email: violeta523@hotmail.com
[3]Institute of Agriculture Kosovo Peja, Kosova
Email: bakir222@yahoo.com
[4]Institute of Agriculture Kosovo – Peja, Peja, Kosova
Email: i.cacaj@hotmail.com
[5]Institute of Agriculture Kosovo – Peja, Kosova Email: defrimeb@yahoo.com

Abstract

The object of study is the analysis of some varieties of winter barley (hordeum vulgare) for beer in the region climatic conditions of Dukagjini plain. Comparison of varieties has been a total of 4 cultivars of barley: Bingo, Vannes, Barun and Rex. Analysis of breeding and production are carried out in the region of Dukagjini: Peja Dukagjini Plain (in Arëbnesh, the Kosovo Institute of Agriculture research farm). Experiment was set according to the method of randomized blocks in three replication. In the laboratory at the Agricultural Institute of Kosovo, and close laboratory brewery in Peja. Cultivation analysis and production were analyzed yield (kg / ha), weight (1000 seeds in grams) hectoliter weight (kg), protein content (%), moisture (%), and Starch. The amount of protein in barley grain is one of the most important factors on which depend on the quality of beer production. In the amount of protein in barley grain with lots of variety characteristic, significantly influences the climate and agronomic factors of production, soil conditions during the vegetative season. Kosovo's agro-climatic and pedagogical data, compared with the yields obtained in the culture of winter barley show not using cultivated cultivars genetic potential to us. obtained results regarding showed that there were differences statistical significant different levels for all cultivars investigated traits involved in the plot compared to the standard (Rex).

Key words: *barley, protein, weight hectoliter, yields.*