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THE RAINFALL REGIME AND RAIN FACTOR IN AGROCLIMATICAL REONS OF PANONIAN BASIN

Abstract

In this study there were analyzed the rainfall patterns, temperature and rain factor by Lang in the rim of the Pannonian Plain – Vojvodina, in 6 agro-climatic regions, for the period of 1966-2013. years. There was expressed uniformity annual distribution of rainfall on the two primary and secondary maximum and minimum average monthly rainfall. Results of Kruskal-Walis test statistically significant difference medial value of monthly precipitation. Analysis of temperature shows higher variability in the winter months. The average temperature is very pronounced trend in January, June, July and August. The average Lang's factor (L) change from 49.6 mm/°C in agroclimatical reon of northern Banat to 56.1mm/°C in agroclimatical reons of south Backa and south Banat, wich is characteriyed by an arid climate of semiarid deserts, steppes and savanna.

Key words: agroclimatical reon, Lang's rain factor, the Pannonian Plain

INTRODUCTION

There is very large influence of climatic parameters on the sustainability and development of water resources, agriculture, forestry, conservation of natural habitats of protected plant and animal species, architectural heritage, etc. Thus, the analysis and forecast of future climate change is of great importance, especially in the study

