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CONDITION AND FUNCTIONING OF AGROECOSYSTEMS  
AND THEIR COMPONENTS  
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UDC 633.11

**ADAPTIVENESS AND ECOLOGICAL VERSATILITY OF SPRING COMMON WHEAT  
OF FAR EASTERN VARIETIES DETERMINED ON A NUMBER OF GRAIN QUALITY  
PARAMETERS**

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*Far Eastern State Agrarian University  
86, Politekhnikeskaya Str., Blagoveshchensk, 675002, Russia  
E-mail: laridass2@mail.ru, rohan.1994@mail.ru*

Received August 15, 2023. Revised August 29, 2023. Accepted August 30, 2023.

In this article we present the results of comparative analysis, which was carried out for the grain quality of new varieties of spring common wheat from the Amur breeding – DalGAU 3 (released in 2021) and DalGAU 4 (sent for a state variety trial in 2022); and for varieties that have been already released in the Far East Region – Amurskaya 75, Amurskaya 1495 and DalGAU 1. The nurseries were made according to the standard method, in the crop rotation of the Grain Breeding Laboratory. The new varieties DalGAU 3 and 4 surpass the previously released ones in vitreousness, grain content, gluten quantity and Hagberg falling number. Additionally, DalGAU 3 is the coarsest-grained one among the studied varieties. The new varieties of common wheat have higher compensatory ability and stress tolerance in some parameters compared to Amurskaya 75 and 1495 and DalGAU 1.

*Keywords:* variety, 1000 grain weight, grain unit, grain vitreousness, gluten,  $\alpha$ -Amylase, Hagberg falling number, selection, hybrids, released variety.

*Funding.* This work was carried out as part of the state task “Creating and Researching the Original Material of the Spring Common Wheat in the Conditions of the Amur Region to Obtain Highly Profitable Food Varieties”.

**DOI: 10.24412/2542-2006-2023-3-60-69**

**EDN: GYNLCE**