

ADAPTATION OF WHEAT PLANT IN ECOLOGICAL CONDITIONS

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Abstract. Satisfying the population's need for grain and grain products is one of the most important tasks in today's gradual transition to the market economy and the formation of new forms of ownership. The economic potential of each country depends on the lifestyle of the population, the level of supply of grain and grain products. Cereal crops are grown mainly for the production of bread products. The development of the main sectors of our agriculture, especially the development of grain production technologies, is one of the most important sectors at present.

Key words. Wheat, crop network, decrees, mal'yanova, unfavorable conditions.

In order to ensure the implementation of Decree No. PF-5853 of the President of the Republic of Uzbekistan dated October 23, 2019 "On approval of the strategy of agricultural development of the Republic of Uzbekistan for 2020-2030":

Ministry of Agriculture, Ministry of Justice, Ministry of Economic Development and Poverty Alleviation, Ministry of Finance, Association "Oztogamichilik sanoati", Association of Cotton-Textile Clusters, farmers, farmers and landowners of Uzbekistan together with the Council, within one month, he should develop procedures and regulations that provide for the establishment of agroclusters, allocating land to them, the main guarantees and support of their activities, and submit them to the Cabinet of Ministers; 3) in the direction of rational use of land and water resources:

a) the practice of assessing the market value of the land and then using it as collateral is systematically implemented. In this regard, the Ministry of Agriculture, Horticulture and Greenhouse Development Agency will first of all develop the procedure for determining the market value of the areas where the garden, vineyard and greenhouse are located and using them as collateral, and submit them to the Cabinet of Ministers;

b) up to 20% of the value of the purchased seeds and seedlings from the State budget to the growers of agricultural products who purchased the seeds and seedlings of certified agricultural crops from local seed farms until December 31, 2021 will be covered

In order to organize the execution of the above decisions and decrees, in order to develop the agricultural sector of grain growing, in order to accelerate large-scale works in different regions of the country, cluster branching works are being implemented step by step. It is to study the morpho-ecological comparative analysis and adaptability of the representatives of the wheat family, which is currently in the highest place in terms of its nutritional value, which can fully satisfy the need for food and protect the health of the population.

Satisfying the population's need for grain and grain products is one of the most important tasks in today's gradual transition to the market economy and the formation of new forms of ownership. The economic potential of each country depends on the lifestyle of the population, the level of supply of grain and grain products. Cereal crops are grown mainly for the production of bread products. It is difficult to imagine our daily life without bread. Wheat bread is considered the greatest invention discovered by mankind. For this reason, scientists have been interested in any measures aimed at stabilizing grain yield, quality, and gross grain yield.

A person fills 20% of the energy needed for his vital activity with wheat, 21% with rice, and the rest with sugar and corn. The palatability, quality, calories and digestibility of wheat products depend on the chemical composition of the grain. The value of wheat protein is the weight of irreplaceable amino acids. According to the chemical composition of wheat grain, a lot of work has been done, and as a result of the analysis, we can see various changes.

A.N. Ponomerov, relying on personal observations and information from the literature, divides the daily flowering ceremony of the wheat family into the following groups: - morning wheat flowers; - blooming 2 times a day;

- night owls; - flowering spikes in the middle of the day and after midnight. The diurnal flowering cycle increases the possibilities of cross-pollination, as this process ensures that the air is covered with pollen and is associated with anemophilic pollination.

N. F. Udoskaya, V. A. Cherny, F. M. Kuperman and others conducted research on the morphology and anatomy of wheat fruit and seed, seed germination. The influence of ecological conditions on wheat seeds is comprehensive. Unfavorable environmental conditions affect the process of meiosis during the growth and development of the plant and lead to the development of sterile pollinators.

Chemical composition of wheat (according to Emal'yanova)

Modda turi	Bug'doy	Un tortib chiqarish	72%	80%
	Butun doni	Faqat murtak		
Xom oqsil	13.3	26.6	11.8	12.0
Moylar	2.0	10.9	1.2	1.3
Ma'dan moddalar	1.7	4.3	0.46	0.65
Karbon suvlar	67.8	44.2	74.1	73.6
Suv	12.0	11.5	12.0	12.0

To conclude, one of the main branches of our agriculture, the development of grain and grain products production technology and provision of high-calorie products are among the most important issues today.

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