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## GOVERNMENT SUPPORT OF ORGANIC AGRICULTURE

**Abstract:** This article discusses the essence of the term organic agriculture, what tasks it performs, and the main principles used in the development of organic agriculture. The article contains opinions about the increasing number of the world's population, which is considered one of the urgent problems of today, and the increasing demand for consumption, the need to use limited resources wisely to meet unlimited needs, and to use alternative methods that do not pose a chemical threat to the environment, humanity and biological diversity. The importance of the development of organic agriculture in effectively solving the problem has been shown on the basis of the world experience of this phenomenon and the results of the analysis of the situation in the territory of Uzbekistan.

**Key words:** Organic agriculture, biological activity, encyclopedia of plants, agrosystem, natural resources, environmental degradation, ecological activity, ecosystem.

**Аннотация:** В данной статье рассматриваются сущность органического сельского хозяйства, его основные задачи, а также принципы, используемые при развитии органического сельского хозяйства. Одной из актуальных проблем современности является рост числа населения Земли и увеличение спроса на потребление, необходимость использования альтернативных методов, не представляющих химической угрозы для окружающей среды, человечества и биологического разнообразия при удовлетворении неограниченных потребностей, разумном использовании ограниченных ресурсов. На основе мирового опыта донного феномена и анализа результатов положения на территории Узбекистана показано важность развития органического сельского хозяйства в эффективном решении данной проблемы.

**Ключевые слова:** органическое земледелие, биологическая активность, энциклопедия растений, агросистема, природные ресурсы, деградация окружающей среды, экологическая деятельность, экосистема.

### INTRODUCTION

Humanity has been trying to satisfy its needs from the time of its creation until now. Naturally, limited economic resources are used in this process. There is no doubt that this human activity has a significant negative impact on the environment. If the stages of the economy, from production to consumption, are well planned, it is possible to reduce the damage to the

environment. In this regard, it is necessary to fulfill a number of urgent tasks, one of which is the development of organic agriculture.

### **MATERIALS**

Scientists from far abroad and our country have conducted a number of scientific researches on organic agriculture and its development. For example, Vakhobov A.V., Khajibakiev Sh.Kh., Tashmatov Sh.A., Butaboev M.T. In Green Economy Textbook, A.M.Litterick and C.A.Watson's second edition of "Encyclopedia of Plants" in 2017, the nature of organic agriculture is widely covered. In addition, in the scientific articles of G. Abdunazarova and S. Sodikova, it was mentioned why agriculture should be developed as organic agriculture.

### **RESULTS AND DISCUSSION**

Nowadays, when some food products are advertised, the phrase "environmentally friendly product" comes to mind. This begs the question? What is an environmentally friendly product and what is not? How can the consumer distinguish between them? What are the advantages of environmentally friendly products?

A synonym of ecologically clean product is called organic product. When referring to organic products, the word "organic" means "restricted" and means the production of products without additional mineral fertilizers, toxic chemicals and other man-made effects, or products obtained from clean natural raw materials and grown on the basis of modern technologies.

If we want to preserve the lives of future generations, save energy, improve water quality, preserve natural biological diversity, and consume pure natural products, we need to accelerate the implementation of organic agriculture in the world practice.

Organic agriculture emerged after 1920 as a new way to meet human food needs, producing healthy products without disturbing the natural balance.

Organic farming is based on the idea that soil is a living system, so it relies on crop rotation, natural fertilizers, crop residues, green manures, and biological pest and disease control to maintain soil health and fertility. Organic farming has a low environmental impact and is a method of cleaning and improving degraded agricultural land.

Organic agriculture is a production management system that promotes the development of an agro-ecosystem, including biodiversity, biological cycles and soil biological activity. It is about using natural resources and avoiding the use of synthetic fertilizers and pesticides.

The main tasks of organic agriculture are:

- increasing biological diversity in the organic agricultural system;
- ensuring biological activity of the soil;
- increasing soil fertility for the long-term perspective;
- reuse of plant and animal wastes to return nutrients to the soil while minimizing non-renewable resources;
- use of renewable resources in local agriculture;
- protection of soil, water and air, as well as minimization of all forms of pollution as a result of agricultural activities;
- promote careful processing of agricultural products to preserve their organic integrity and vital properties.
- Organic agriculture is used according to the following basic principles:
- synthetic chemicals are not used in production;
- biotechnical, biological and mechanical methods are used in the fight against diseases and pests;
- only natural substances are used to increase soil fertility;
- agricultural products are produced without destroying natural resources.

According to the received data, if 400-600 kg of mineral fertilizers are applied to 1 hectare of arable land in Western Europe, including Holland, Denmark, Belgium, Germany, this indicator does not exceed 280 kg/ha in Belarus. In the 1990s, many fields did not use pesticides at all. Secondly, although the productivity of Belarus' intensive technology farms was temporarily high, it later fell. According to statistics, ecologically clean agricultural products in Europe are sold at a

price 20% to 100% higher than usual. In one region of Russia, in the 1980s, 16 farms abandoned the use of pesticides in grain cultivation and as a result achieved the highest grain yield in the region due to the lowest labor costs. Due to organic agriculture, one farmer in the USA (Washington State) obtained an average wheat yield of 45 t/ha for 5 years. Farmers near this farm used pesticide and chemical fertilizers 39.9-49.0 tss/ha. yielded. In addition, soil erosion in this farm is low.<sup>1</sup>

A number of systematic works on the development of organic agriculture are being carried out in Uzbekistan. According to the Order №126 of the Cabinet of Ministers of the Republic of Uzbekistan dated February 13, 2017 and the Order №122 of the Ministry of Agriculture and Water Management dated April 24, 2017 on August 22-23 in Tashkent and on August 24 in Samarkand was held an international conference named "Scientific and institutional basis of development of organic agriculture in the Republic of Uzbekistan and Central Asia". The main goal of this is to further expand scientific and technical cooperation for the development of new directions of agriculture in our republic in accordance with international experiences, to deliver high-quality, ecologically clean, competitive agricultural products to the world market under the "Uzbek brand".

It is known that in recent years, excessive use of chemical agents, pesticides, defoliant, desiccants, herbicides and other similar inorganic substances in agriculture has started to have a significant impact on product quality. This, in turn, leads to a deterioration in product quality and does not meet the requirements of environmentally friendly production. The main goal of developing organic agriculture is to grow environmentally friendly products that do not harm humanity by reducing the chemical substances in agricultural products.

### CONCLUSION

In conclusion, it can be said that if attention is paid to the development of organic farming, the quality of agricultural and livestock products will improve, soil fertility will increase, and culture will improve. Since agriculture is one of the main sectors of the economy of Uzbekistan, it creates an opportunity to organize and develop it as organic agriculture, to participate in world markets with quality products.

In our republic, it is planned to implement a number of important tasks in this regard. For example, in the "Strategy of the transition to a green economy" of the Republic of Uzbekistan, the task of developing agriculture in accordance with organic agriculture is set. As a result of the step-by-step implementation of these tasks, it will be possible to prevent negative processes that may endanger people's lives.

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<sup>1</sup> Scientific Journal Impact Factor