

## СЕКЦІЯ 5 АГРОНОМІЯ. ЗАХИСТ І КАРАНТИН РОСЛИН. САДІВНИЦТВО ТА ВИНОГРАДАРСТВО

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### INTRODUCTION OF ORGANIC PRODUCTION IN THE CONDITIONS DUNABE AGRARIAN LLC IN THE SOUTH OF UKRAINE

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One of the leading organic farms in Ukraine, located in the south of the country in the Odessa region is LLC "Danube Agrarian", which grows organic products per 2000 hectares of organic land. The company is certified by the domestic company "Organic Standard" and foreign operators BIO SUISSE, COR, NOP, GRASP-GLOBALG.A.P. Risk Assessment on Social Practice

The main directions: Crop, livestock, vegetable and horticultural, from 2021 medicinal herbs are grown, it is planned to organize a greenhouse of vegetable crops and establish new organic gardens.

From the direction of crop production the main crops which are grown on the farm: wheat, barley, rapeseed, millet, peas, sunflower, corn, mustard, lentils, onions, garlic, pumpkins, melons, watermelons, sweet potatoes, plums, peaches and nectarines. Since 2021, a successful project with the company ENZA ZADEN for growing vegetable crops is being implemented. A plantation of medicinal and spicy crops has been established: chamomile, calendula, mint, savory, echinacea, sage and others. Danube Agrarian is the only company in Ukraine that grows organic peaches and nectarines and the only one in the world that grows organic cubic watermelon.

The products of the Danube Agrarian (rapeseed, millet, sunflower) are used in the production of baby food by the world-famous company HIPPI, whose representatives come to the farm 3-4 times a year to take samples.

In the field of animal husbandry, Danube Agrarian is the only company in Ukraine engaged in the cultivation of certified organic ducks, broilers and sheep. Danube agrarian is one of the three leaders - producers of organic eggs in Ukraine.

The unique geographical location and agro-climatic conditions of the south of Ukraine allow to implement many interesting projects in crop production, vegetable growing and fruit and berry industry. But the limiting factor for the southern zone of Ukraine is moisture. The farm has 120 hectares of fields under irrigation, and it is possible to transfer up to 850 hectares of land for irrigation.

Danube Agrarian LLC is provided with all necessary equipment, warehouses for floor storage of grain over 6000 m<sup>2</sup> and refrigeration facilities: fruit and vegetable cooling chamber (one in Bessarabia), sweet potato storage (one in Ukraine).

In crop production it is planned to increase the area of growing trend crops (legumes, millet, high-oleic sunflower) In the fruit industry it is planned to plant a new garden on drip irrigation: cherries, apricots, plums, early apples. There are very few organic stone crops in Europe, early organic apples are practically absent, demand in the European market contributes to the development of this direction in the economy. It is also planned to increase the area under vegetables and melons (melons and watermelons), both for domestic and European markets. In animal husbandry, it is planned to increase the number of laying hens, ducks, broilers and sheep.

The farm is mastering new industries and directions, namely medicinal herbs from 2021 and greenhouse vegetables from 2023.

The farm is actively involved in the management and marketing of the Danube Agrarian brand. Meetings and trainings are held with representatives of supermarkets together with "Organic

Standard" and other operators of the organic market. "Islands" of organic vegetables and fruits are being created in supermarkets.

Work is underway to develop a fruit and vegetable business cluster, for the creation of which in the south of Ukraine there are all the necessary prerequisites: favorable agro-climatic conditions, geographical location at the same latitude as the subtropical Crimea. The south of Bessarabia has always been famous for its early fruits and vegetables, the presence of rivers and reservoirs in the region allows you to actively use the system of merging. 30 years later, Izmail had the second largest cannery in Ukraine for the production of green peas, jade and halva. The infrastructure of the region includes the river ports of Izmail, Reni, Kiliya. Close to the Belgorod-Dniester river and Odessa and Black Sea seaports, which promotes active trade and economic activity. Training of specialists is an important component of successful business development, Izmail and Belgorod-Dniester agrarian colleges and Odessa State Agrarian University provide staff in the agricultural sector (Danube agrarian, 2022; Kurkuliv, 2022; Glossary. Organic Products, 2022)

Ukraine in terms of its agro-climatic conditions, labor resources and economic potential today is one of the most promising countries in the world in the development of organic production.

Ukraine produces such organic crop products as grain, cereals, fruits, vegetables, flour, pasta, oil, juices, herbal teas, chocolate, spices, canned foods (berry pastes, jams, syrups), semi-finished products, snacks; organic livestock products - dairy products, meat, eggs, honey.

Prospects for the development of organic production in the south of Ukraine in terms of crop production are quite broad, but for the production of organic livestock products there are some difficulties associated with the general processes observed in animal husbandry (economic situation, feed shortages, reduction livestock, high production costs, certification, etc.).

For the effective implementation of organic production in the south of Ukraine it is necessary to create specialized organic clusters with the involvement of agricultural producers, businessmen, financial institutions, trade enterprises, research institutions and educational institutions.

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#### СТАН ТА ПЕРСПЕКТИВИ РОЗВИТКУ ОВОЧІВНИЦТВА В УКРАЇНІ

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Повномасштабна війна є надзвичайно критичним явищем для всіх сфер діяльності держави, при якому порушуються напрацьовані економічні зв'язки, руйнуються фінансові перспективи, активно прогресуюча інфляція знецінює національну валюту, а зростаюче