



## THE IMPORTANCE OF FRUIT AND VEGETABLE CLUSTERS IN THE SURKHONDARYA REGION

**Majidova Dilnoza Bahromovna**

Independent researcher at Termez State University, Uzbekistan

### ABSTRACT

This thesis examines the significance of the main indicators and criteria for fruit and vegetable clusters, their advantages. The impact of indicators on improving the efficiency of fruit and vegetable clusters was analyzed.

### KEYWORDS

cluster, production efficiency, economic situation, average cost, integral indicator, scales

### INTRODUCTION

The Strategy for the Development of Agriculture of the Republic of Uzbekistan for 2020-2030 has been adopted. According to this strategy, by 2025, the country's gross domestic product is set to reach \$100 billion, and annual exports to \$30 billion. According to preliminary data, in the first half of 2024, the gross domestic product of the Republic of Uzbekistan amounted to 567,364.3 billion soums at current prices, and increased by 6.4% in real terms compared to January-June 2023. The nominal GDP volume calculated at the average exchange rate for the current period amounted to \$45,147.2 million. US dollars. When implementing these measures, it is appropriate to determine the level of development of the fruit and vegetable growing industry in the regions, the level of production efficiency, and pay special attention to underdeveloped regions.

Below, an assessment of the development of the fruit and vegetable cluster network of Surkhondarya region and the efficiency of production in the network was carried out by clusters. At the first stage, the standardized values of the indicators were calculated using the proposed system of indicators, and their overall average values were determined.

Indicator system:

Assessment of the efficiency of production activities (IA)

Assessment of the economic condition of fruit and vegetable clusters (IA)

5 clusters were selected from the existing clusters in Surkhondarya region through the screening method, and the efficiency of the clusters was assessed, such as the "Khafizbek-Sirojbek-Angor" farm, the "Khondamir-Mirishkor" farm, the "Sherobod vegetable cluster" limited liability company, the "Bakhtiyorbek vegetable cluster" joint venture, and the "Best-Veg Surkhan" joint venture.

[[IchS]]\_ICHX-costs incurred to produce a certain unit of product (thousand soums)  
 [[IchS]]\_(M.R)-product profitability [[IchS]]\_(M.U)-labor productivity, [[IchS]]\_(.H)-productivity  
 [[IchS]]\_MSK-product quality indicator [[IchS]]\_SD-Sales level  
 S\_IchS –Average

**Table 1**  
**Standardized state of indicators**

<b>Standardized status of production efficiency indicators (ICH)</b>							
<b>Clusters</b>	<b>ICHX- costs incurred to produce a certain unit</b>	<b>M.R)- product profitabilit</b>	<b>_(M.U)-labor productivity,</b>	<b>_(.H)- productivity</b>	<b>MSK- product</b>	<b>SD-Sales level</b>	<b>S_IchS -Average</b>
"Khafizbek-Sirozhibek-Angor" farm	0,67	0,009	0,066	0,044	0,90 9	0,49	0,36
"Khondamir-Mirishkor" farm	0,12	0,089	0,198	0,042	0,98 1	0,04	0,25
"Sherobod vegetable cluster" limited liability company	1,00	0,001	0,144	0,039	0,97 3	1,00	0,53
"Bakhtiyorbeek vegetable cluster" joint venture limited liability company	0,67	0,013	0,320	0,123	0,97 5	0,04	0,36
"Best-Veg Surkhon" joint venture limited liability company	0,04	0,111	0,187	0,046	0,99 0	0,02	0,23
<b>Standardized status of indicators representing the economic condition (EC) of fruit and vegetable clusters</b>							

"Khafizbek-Sirozhibek-Angor" farm	<b>ICH<sub>T</sub>-production cost</b>	<b>RK-profitability coefficient</b>	<b>IH<sub>(TO`S)</sub>-revenue growth rate</b>	<b>IH<sub>SR</sub>-sales profitability</b>	<b>S<sub>IH</sub> – Average</b>	
"Khondamir-Mirishkor" farm	0,796	0,001005	1	0,015	0,453	
"Sherobod vegetable cluster" limited liability company	0,001	1	0,022	0,628	0,413	
"Bakhtiyorbek vegetable cluster" joint venture limited liability company	1	0,000195	0,104	0,002	0,276	
"Best-Veg Surkhon" joint venture limited liability company	0,848	0,001444	0,105	1	0,489	
"Khafizbek-Sirozhibek-Angor" farm	0,607	0,001156	0,040	0,238	0,222	

Taking into account the importance of indicators, the integral indicator more accurately reflects the effectiveness of the activities of the studied object.

The integral indicator coefficients of the selected clusters in the Surkhandarya region were determined.

**Table 2**  
**Integral coefficients of cluster indicators**

Clusters	$S_{Ichs}$	$S_{IH}$	$S_{int}$ -integral koefitsient
"Khafizbek-Sirozhibek-Angor" farm	0,36	0,453	0,41
"Khondamir-Mirishkor" farm	0,25	0,413	0,33
"Sherobod vegetable cluster" limited liability company	0,53	0,276	0,40
"Bakhtiyorbek vegetable cluster" joint venture limited liability company	0,36	0,489	0,42
"Best-Veg Surkhon" joint venture limited liability company	0,23	0,222	0,23

The Sturges method was used to construct the scale of the integral coefficient of the clusters. In particular, it was found that none of the clusters belonged to the group with a very high integral

coefficient, the joint venture of the limited liability company "Bakhtiyorbek ko'kat cluster" - 0.42, the farm "Khafizbek-Sirojbek-Angor" - 0.41, the limited liability company "Sherobod sabuz ko'kat cluster" - 0.4, the farm "Khondamir-Mirishkor" - 0.33, the medium integral group, and the joint venture of the limited liability company "Best-Veg surkhon" - 0.23.

## REFERENCES

1. 2022 — 2026-yillarga mo'ljallangan yangi o'zbekistonning TARAQQIYOT STRATEGIYASI to'g'risida. O'zbekiston Respublikasi Prezidentining Farmoni, 28.01.2022 yildagi PF-60-sonli Farmoniga 1 ilova. <https://lex.uz/uz/docs/-5841063>
2. O'zbekiston Respublikasi Prezidentining «Meva-sabzavot mahsulotlarini tashqi bozorlarga chiqarish samaradorligini oshirishga doir qo'shimcha chora-tadbirlar to'g'risida»gi 2022 yil 4 apreldagi PQ-225 sonli qarori. <https://lex.uz/uz/docs/-5984522>
3. O'zbekiston Respublikasi Prezidenti huzuridagi Statistika agentligi. <https://stat.uz/uz/>
4. T.L. Saaty A scaling method for priorities in hierarchical structures J. Math. Psychol., 15 (3) (1977), pp. 260-281