10th Regional Forum on Sustainable Agricultural Mechanization in Asia and the Pacific

Gender Mainstreaming in Sustainable Agricultural Mechanization

28-30 November 2023; Shanghai, China

Title: «EXPANDING WOMEN'S AGRICULTURAL MECHANIZATION OPPORTUNITIES IN UZBEKISTAN»

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Status of agriculture, forestry and fisheries in the GDP of the Republic of Uzbekistan

At the end of 2022, the share of agriculture, forestry and fisheries in the GDP of the Republic of Uzbekistan amounted to 25.1% against 26.5% in 2021. If we consider this dynamics over the past 5 years, the share of agriculture, forestry and fisheries in GDP has decreased from 29.7% to 25.1%.

GDP from Agriculture in Uzbekistan increased to 168231.80 UZS Billion in the third quarter of 2023 from 89119.90 UZS Billion in the second quarter of 2023. GDP from Agriculture in Uzbekistan averaged 69681.54 UZS Billion from 2010 until 2023, reaching an all time high of 208452.90 UZS Billion in the fourth quarter of 2022 and a record low of 7565.00 UZS Billion in the first quarter of 2016.

https://tradingeconomics.com/uzbekistan/gdp-from-agriculture
Status of agricultural mechanization in Uzbekistan

- Most of agricultural machinery and technology is readily available for crop, livestock and food production
- Agricultural mechanization input into agriculture, food and agro-based industry is very low for household holders while big farms and clusters use only mechanization in agriculture
- Land preparation fully mechanized, significance progress in crop maintenance, manual and semi-mechanized in harvesting and post-harvest handling, wheat and cotton has achieved fairly high level of mechanization.
### Information about the agricultural machines required by the standard for cultivated areas in the republic

<table>
<thead>
<tr>
<th>No.</th>
<th>Type and name of agricultural machines</th>
<th>Required equipment, pcs.</th>
<th>Available as of 01.07.2023, pcs</th>
<th>It has been used for more than 15 years</th>
<th>The difference compared to the norm, pcs</th>
<th>Supply level, %</th>
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<tbody>
<tr>
<td>1</td>
<td>In the direction of cotton and grain growing</td>
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<td>6355</td>
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<td>212</td>
<td>- 452</td>
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<td>414</td>
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<td>- 378</td>
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<td>9</td>
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<td>Mini tractor (40...60 hp)</td>
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<td>1890</td>
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<td>Sprayer</td>
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<td>Straw bailer</td>
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<td>2019</td>
<td>2020</td>
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<td></td>
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<td>number, pcs, value, million soum</td>
<td>2017</td>
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<td>Total</td>
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<td>6575</td>
<td>475148</td>
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</table>
**GENDER EQUALITY IN AGRICULTURE**

From the speech of United Nations General Secretary Antonio Guterres,

“where women actively participate in political and social life, the economy grows, stability is strengthened, and the well-being of citizens increases.

https://insonhuquqlari.uz/uz/news/m8895

Article 58 of the Constitution of the Republic of Uzbekistan states that women and men have equal rights and that the State provides women and men with equal rights and opportunities in the management of society and state affairs, as well as in other areas of society and state life.

https://nhrc.uz/uz/menu/hotin-izlar-uulari
International Day of Rural Women

According to the resolution of the United Nations General Assembly of December 18, 2007 on "Improving the situation of women in rural areas", October 15 was declared the “International Day of Rural Women”.

Today, almost 9 million women live in rural areas in our country. Most of them are engaged in the agricultural sector. Only 6.5% of the existing more than 85,000 farms in our country are managed by women.

700,000 hectares of land owned by households and farms are mainly worked by women.

In small farms most of manual harvesting operations (picking fruits, cotton, strawberry) and milking are performed by women. Especially, in green house farming women’s labor is used.

https://uza.uz/oz/posts/xalqaro-forum-agrar-sohada-xotin-qizlarning-orni-qanday_527718
Leader women in the agro-industrial complex of Uzbekistan

- There are more than 20 organizations (ministry, committees and agencies) in the agro-industrial complex.

- There are overall 1386 employees. Their 230 members are women and girls. Among 230 female employees, 30 women work as managers.

- In system organizations of regions and districts more than 48000 women and girls work among totally 178000 employees. From them 650 women work as managers.
EDUCATIONAL IN AGRICULTURE

According to the decree of the President of the Republic of Uzbekistan on measures to further accelerate work on systematic support of families and women:

There are more than 200 Institutes, of which more than 23 Institutes and Universities are specialized to teach Agriculture. There are 11 Research Institutes in agriculture.

Every year, based on the recommendations of the State Committee for Family and Women, the Council of Ministers of the Republic of Karakalpakstan, regional and Tashkent city administrations grant educational contracts to a total of 2,100 out of 150 socially needy family members, orphans, and student women who are deprived of their parents' care should be reimbursed at the expense of the sources without the condition of return.

50 women in bachelor's degree programs and 10 women in master's degree programs of foreign higher education institutions receive additional grants annually through the "Hope of the Country" fund.
In the last 5 years, more than 60,000 citizens were trained and issued certificates to become tractor combine harvester drivers, of which 113 were women.

From June 1, 2022, a new procedure for vocational training of women has been introduced in state and non-state educational institutions based on the state order.
Today, a total of 30 scientific developments, including 27 from the Ministry of Agriculture and 3 from the Ministry of Water Management, have received proposals for the implementation of scientific developments.

At least 200 billion soums are financed from the state budget every year in order to cover the contract fees of all women studying at the master's level of state higher education institutions.
Key Takeaways

Most of the present farm layout and infrastructural facilities are generally not designed for efficient use of sustainable agricultural engineering technologies.

The concept of sustainable agricultural mechanized farming is not fully understood and practiced in the agricultural sector in the country.

Lack of extension services throughout the country on sustainable agriculture. Little or no mainstreaming of Sustainable Agriculture in National Educational and Research Programs

Introduce vocational training of women
Recommendations

Support

• Support the Sustainable Agricultural practices to enhance agricultural production and local production of Sustainable Agricultural Equipment including smart agricultural machines, agricultural drones and etc.

Develop

• Develop sustainable agricultural mechanization strategy in the country

Increase

• Increase woman involvement in farm and cluster management and education
Thank you