



UZBEKISTAN

German-Uzbek dialogue on climate-resilient agriculture

Promotion of technical and institutional expertise in the field of fodder cultivation and seed production for a sustainable increase in milk production

The Agriculture in Uzbekistan

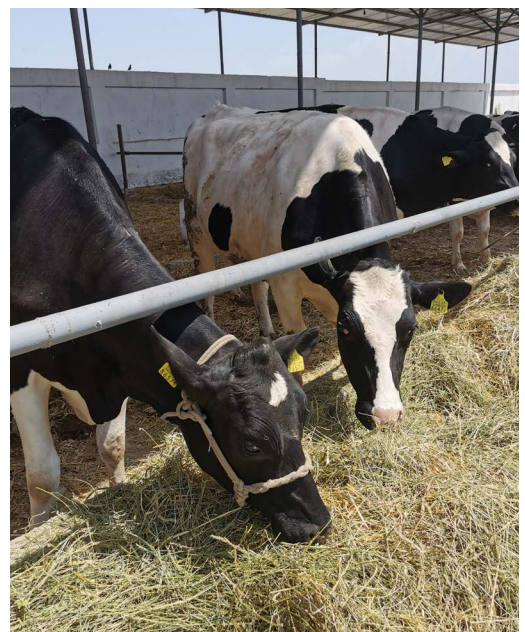
Uzbekistan's agriculture is heavily impacted by the severe scarcity of soil, soil fertility, and water resources. The landlocked country is also predicted to face more extreme weather events in the future. Despite these challenges, Uzbekistan is working towards achieving self-sufficiency in food production, with a focus on animal production. Dairy production is the most important subsector within the livestock industry in Uzbekistan, but its productivity remains comparatively low. Currently, small businesses known as "Dehkan farms" hold 92% of the national cattle herd, produce 95% of the milk, and cultivate 15% of the arable land.

The Project

Milk yield relies heavily on the management of fodder, which is important for cultivating local forage crops. However, the majority of fodder seeds are imported, and the cultivation of resilient, local varieties, as well as the use of cover crops, is limited. Additionally, methods for preserving fodder, such as silage or hay, are not widely known. With this in mind, the project's goal is to ensure sustainable and soil-protecting fodder production. This will be achieved by providing advice, training, and practical trials to small and medium-sized farms, as well as research institutes, on how to grow fodder and seeds based on agroecological principles. Furthermore, the political framework for sustainable fodder and seed production will be improved through dialogue formats with decision-makers.

Project Goals

- Promotion of technical and institutional expertise
- Development of a sustainable and climate-resilient seed and fodder production on the basis of agroecological principles
- Increasing local milk production
- Exchange of expertise between German and Uzbek, private and public institutions



As milk yield is heavily dependent on feed management, the local cultivation of fodder crops is of great importance.

PROJECT TITLE
German-Uzbek expert dialogue for sustainable and climate-resilient agriculture – component for climate-resilient seed and fodder production

TIMEFRAME
04/2023 to 03/2026

AS OF
January 2024

Seed Sector, Seed Law and Plant Variety Protection

Climate Adaptation and Climate Protection

With support from



Federal Ministry of Food and Agriculture

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PORTRAIT UZBEKISTAN

Since gaining independence in 1991, the most populous country in Central Asia has become a major economic hub with a diversified industrial and service infrastructure. 80% of the country is being covered by desert and steppe. Official figures show that the gross domestic product has consistently increased by at least 8% over the past few years.

Results and Successes

- Strengthening the partner institutes' expertise in the field of climate-resilient forage crops
- Dairy farms manage their land as a result of comprehensive advice with climate-resilient techniques
- Establishment of resource-conserving feeding systems
- Expertise is made available to institutions through dialogue platforms

“The establishment of an efficient fodder analysis system, the incorporation of resilient fodder crops in the crop rotation and the conservation of fodder are key to enhance the local milk production”

Anton van Engelen
Teamleader

Project Partners and Cooperations

- Federal Ministry of Food and Agriculture (BMEL)
- Ministry of Agriculture (MoA)

Project Partner on Operational Level

- AKIS (National Center for Knowledge and Innovation in Agriculture) with relevant institutes:
 - Institute for Cereals, Maize and Legumes in Andijan with the research station in the Tashkent region
 - The Institute of Southern Agriculture in the Kashkadarya Region
- Committee for Veterinary Affairs and the Development of Animal Production (Veterinary Committee) with:
 - Institute of Animal Breeding and Poultry in the Tashkent Region
 - Samarkand State University of Veterinary Medicine, Animal Husbandry and Biotechnology

Implementing Organisation

GOPA AFC GmbH in Cooperation with
IAK Agrar Consulting GmbH



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