

CASE STUDY: Annual Savings of 6,000 cubic meters of water for apple orchard through investment in PVC pipeline

Hisor is a well-known region in Tajikistan where various fruits and vegetables are cultivated. With the growing expansion of crop fields in the area, the water supply has begun to reach its limits in recent years. Ms. Kamolova has a field located 1.5 km away from the main open channel, where water can be accessed. In order not to lose water in the open channel, she decided to install plastic pipes. 1 hectare of apple orchard can be irrigated with increased water savings with this investment.

With investment costs of just USD 750, Ms. Kamolova will install 2,000 meters of plastic pipe, which will eventually save 6000 m³ of water per year from unnecessary loss in an open irrigation ditch. Saved water amount can be additionally used to irrigate other crops in the field.



For more information on how Your Company can obtain Climadapt financing, visit www.climadapt.tj or call +992 37 2213789

The Company

Main activities

Production of apples

Region

Hisor District , DRS Tajikistan

Project Goals & Main Investments

Project Goals

The Project aims to:

- Increase water use efficiency
- Ensure regular supply of water

Main Investments

- Installment of PVC pipeline

Investment Size

- Approximately USD 730

Results of the Project

Operational Results

- Water savings: 6000 m³/annum
- 60% of water savings

Investment Profitability

- The payback period is about 2 years

