



Strengthened capacities for effective land management and agricultural practices, focusing on women, youth and marginalized communities 2020-2022

Success Stories: Agriculture and Environmental initiatives

Case: Azola crop cultivation at Bani Naim Cooperative -Hebron

Many farmers, due to limited resources, often struggle to produce sufficient feed for animals. Azolla is an ideal sustainable feed for cattle, fish, and poultry. Hence farmers in Bani Naim Cooperative in Hebron attracted to the Azolla cultivation (Pilot). Azolla is an excellent source of nitrogen and has a high nutrient value. For Azolla, cultivation required less investment; hence it is a low-cost alternative for a good feed. Azolla contains very high proteins, amino acids, vitamins (vitamin A, vitamin B12, Beta Carotene), and minerals, so it is an excellent nutrient feed for livestock. Through the project, LRC provided Bani Naim cooperative with needed equipment and material to create an artificial pond for growing Azolla, this will be a good alternative due to the limited resources, the pond use less water resources. The initiatives started by providing Bani Naim Wildlife and Agricultural Cooperative with technical support includes agricultural supplies such as: (a plastic beds, plastic sheet, and supplies for a plastic house on 400 m² of land, and Azola plant –seeds), this is to initiating cultivating Azola crops for livestock feed.

This intervention is in line with project objectives, due to environment and climate change impacts, especially in the southern remote areas of Bani Naim town - Hebron Governorate, farmers are suffering from the confinement and fluctuation of rainfall during the rainy season and sharp rises in temperatures in summer time as a manifestation of Climate Change. This is the result of the consequences of climate changes, which has had a negative impact on the agricultural sector, especially on the livestock sector. Bani Naim is known

for its livestock, but due to desertification, it suffers from a lack of animal food. This cultivation will increase livestock feeding and will be an alternative fodder crop. This is to adapt to climate change, and will be also an alternative to provide food in view of the shortage of animal feed and high fodder prices, due to the deterioration of the economic situation, in the context of the coronavirus crisis and the Ukrainian-Russian war, the cost of freight for goods has risen. Consequently, this agriculture comes as a solution to this problem. Women and men members at the cooperative experienced more responsive actions to adapt to climate change. This is also will be a good economic return for the cooperative and its members as well.





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