Success Story of HEIS Ambassador farmer Hammyoun on Drip Irrigation System

Farmer Introduction

Mr Hammyoun is young man & believe on his own business. He has keen interest in farming at commercially. He has installed Inline drip irrigation system at 3 acres. He visited many HEIS sites of all companies in Layyah. After his working. He decided to install the system of Jaffer Agro Services due to Quality & Agronomical Support.

Mr Hammyoun land is situated in Canal command area & his land's soil is sandy. He is also impressed with controlled irrigation & fertigation with Drip Irrigation System. His approach is to feed the crop plants as per their need. Thats why he decided to install Drip Irrigation System for vegetables. after his success in vegetables at drip irrigation system. Farmers of this area visiting his farm & interested to install this system.

Farm Particulars

- **Farm Location:** Chak No 290 TDA, Tehsile Karor Lal Esan District Layyah.
- **Irrigation Schedule:** Drip Irrigation System
- **Topography:** Plain

Salient Features of Drip Project.

Total Area Under Drip	**3 Acres**
Year of Drip Installation	**2020-2021**
Subsidy Scheme	**PIPIP**
Crop under Drip System	**Chilli**
Crop Spacing (ft.)	**4**
Soil Type:	**Sandy**
Water Source	**Tube Well**
Ground Water Table Depth	**16 feet**
Power Source	**Solar**

System Price

Total System Price per Acre (PKR)*	**304,911**
Farmer Share per Acre (PKR)	**121,964**

*This cost does not include Trellising cost

Farming Practices

Parameters	2020-21
Used Fertilizer Quantity (Kgs/Acre)	**N=80** **P = 32** **K=96**
*Yield Per Acre (Kgs per Acre)	**3,790**
Selling Price/Kg (Throughout Season) (PKR)	**223**
Average Yield Per Acre (PKR)	**845,170**
Cost of Trellising/acre (Annual Depreciation method. On 5 years Depreciation)	**24,392**
Cost of Irrigation/acre (PKR)	**13,400**
Average Cost of Production per acre Rs.(includes Pesticides, Fertilizer, Pruning, Sales & Marketing, Picking, Packing & Transportation, General look after, Watch and Ward) (PKR)	**193,696**
Net Profit per acre (PKR)	**513,681**

Benefits of Drip System

Drip Irrigation is the ultimate Crop Management technology.

It turns plant root zone in to Field Capacity *(Watar)* giving

Grapevines the required essential nutrients & enabling it:

- To continuously flourish & grow
- Yielding up to potential capacity
- To get desirable berry size
- To get quality fruit
- To effectively use water and fertilizer
- To have required moisture in rhizosphere thus avoiding fungal diseases
- To save water and irrigate more area
- To cultivate sandy, light soils of Potohar, Thal and Cholistan
- To get higher economics regarding yield when only dependency is on Ground water
- To give Controlled Water stress to plant when required

Muhammad Hammyoun Farm Pictures