

Success Story of HEIS Ambassador farmer Asif Gurmani on Drip Irrigation System

Farmer Introduction

Mr. Asif Gurmani & owner of 150 acres land in Taunsa. He has keen interest in farming at commercial level. He has installed Inline drip irrigation system at 10 acres & online drip irrigation system at 22 acres area. As per communication with Asif Gurmani sb. He visited many HEIS sites of all major companies. After his working. He decided to install the system of Jaffer Agro Services due to Quality & Agronomical Support.

Asif Gurmani's land is situated in Canal command area & canal system has six months closure in each year & his land's soil is sandy. He was also impressed with controlled irrigation & fertigation with Drip Irrigation System. Labor availability is also major issue in this area. That's why he decided to install Drip Irrigation System for vegetables & orchards at his Farm. He is pioneer farmer in this area & playing role of model farmer in Taunsa Tehsil.

Farm Particulars

- **Farm Location:** Head Soba, Vahova Road, Tehsil Taunsa, District Dera Ghazi Khan, Muzaffargarh
- **Irrigation Schedule:** Drip Irrigation System
- **Topography:** Plain

Salient Features of Drip Project.

Total Area Under Drip	10.8 Acres
Year of Drip Installation	2018-2019
Subsidy Scheme	PIPIP
Crop under Drip System	Chilli
Crop Spacing (ft.)	4
Soil Type:	Sandy
Water Source	Tube Well
Ground Water Table Depth	40 feet
Power Source	Solar

System Price

Total System Price per Acre (PKR)*	178,354
Farmer Share per Acre (PKR)	71,341

*This cost does not include Trellising cost

Farming Practices

Parameters	2018-19
Used Fertilizer Quantity (Kgs/Acre)	N=80 P = 32 K=96
*Yield Per Acre (Kgs per Acre)	3600
Selling Price/Kg (Throughout Season) (PKR)	210
Average Yield Per Acre (PKR)	756,000
Cost of Trellising/acre (Annual Depreciation method. On 5 years Depreciation)	14,268
Cost of Irrigation/acre (PKR)	6500
Average Cost of Production per acre Rs. (Includes Pesticides, Fertilizer, Pruning, Sales & Marketing, Picking, Packing & Transportation, General look after, Watch and Ward) (PKR)	322,367
Net Profit per acre (PKR)	412,865

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

Asif Gurmani Farm Pictures

