

Progressive Farmer of Udham Singh Nagar, Uttarakhand

A Journey of Innovation and Leadership

1. Detail of Entrepreneur

Name:	Shri Bhupinder Singh Bajwa.
Father's Name:	Late Shri Kashmira Singh.
Age:	72 years (Senior Citizen).
Address	Village Vasarneda, Block Bazpur, PO Bhajnanagla, Udham Singh Nagar.
Qualification	Graduate.
Contact Number:	98376 85428.
Land Holding:	10 acres owned, 30 acres on lease.
KVK	KVK U.S. Nagar (Kashipur), Uttarakhand



2. Background/Situation :

Sh. Bhupinder Singh Bajwa is a veteran progressive farmer from block Bajpur, District Udham Singh Nagar. He belongs to a Army family. He is a graduate; He had a keen interest in agriculture and Dairy farming. since his child hood. He started farming at the age of 18 years in his own land. Currently he is doing the farming of Paddy (Hybrid Basmati), Sugarcane, Wheat, maize and Vegetable Pea.

3. **KVK Intervention** : Since 1980 he has been in constant touch with the Scientist from Pantnagar university and attended several training programmes, workshops and Kisan Mela to update his knowledge in farming from time to time. He came in contact with the KVK Scientists after the establishment of KVK Kashipur, U.S. Nagar during 2007, the KVK Scientist conducted the front line demonstration at his field on wheat and Paddy and achieved a yield of 35 quintals and 37 quintals respectively. He Recently he attended training programme for the popularization of summer maize to discourage the Summer rice cultivation which was having detrimental effect on depleting water table.

4. Innovation/Initiative

1. He prepared a composting technique where he took a drum and filled it with 1.0 quintal vermicompost + 15 Kg NPK and kept buried under the soil with making it air tight covering for 10-15 days then during the first application of fertilizer on wheat at 21 days he added 10 Kg urea in this mixture. He said that this compost mix is sufficient for 2.0 acre area thus he is having significant saving on fertilizers input.
2. He developed a criss-cross method of wheat cultivation for the effective management of weeds in wheat
3. He father asserted that Dhaincha (*Sesbania aculeata*) and Sanai (*Sunn Hemp / Crotalaria juncea*) are nitrogen-fixing legumes should always be used as green manuring crops. Green manuring significantly enhances soil fertility by fixing

atmospheric nitrogen and adding massive organic biomass, which improves soil structure and water retention. It **acts as a** natural weed suppressant and soil reclaimer, reducing the need for chemical fertilizers while boosting overall crop yields.

Yield Records:

- **Paddy:** Achieved a record yield of 40 quintals per acre with 6444 hybrid paddy.
- **Wheat:** Produces up to 35 quintals per acre, focusing on seed production for varieties like DBW 222 and 337.
- **Sugarcane:** Achieves yields of 750 quintals per acre
- **Vegetable Pea :** Green pod yield of 40 quintals and Seed yield of 10 quintals per acre
- **He is also doing seed production of wheat, Paddy and Vegetable Pea**

Dairy Management & Vermicomposting

- **Livestock:** He maintains 20 cattle, focusing on Sahiwal (Cow) and Murrah (Buffalo) breeds his average milk production is approx. 250 quintals per days.
- **He is also using the cattle manure for making organically rich vermicompost**

Socio Economic Impact

Enterprises	Gross annual income from Crops (₹)	Gross annual Expenditure (₹)	Net annual income (₹)
Crops (Wheat, Paddy, Sugarcane, Maize & Pea)	35 – 40 lakhs	20 lakhs	15-20 lakhs
Dairy (cow & Buffalo)	15 lakhs	06 lakhs	09 lakhs

- **Livelihood Security:** By maintaining a large dairy herd alongside high-value crops, he has created a resilient economic model that ensures financial stability even during adverse weather conditions or crop failures.
- **Community Leadership:** Having run "Farmer Field Schools," sponsored through ATMA, Shri Bajwa acts as a knowledge hub for the region, directly impacting the skill sets and economic potential of other local farmers.
- **Environmental Stewardship:** His proactive shift to summer maize to replace water-intensive summer rice demonstrates a commitment to preserving the local water table, ensuring the long-term sustainability of the region's agriculture.

Awards

1. He was Honoured with the prestigious awards, Kisan Shri, and a cash reward of Rs. 10000 from Hon'ble Chief Minister and several state level awards and recognition, making him a model for modern "agri-entrepreneurship" in Uttarakhand.
2. He was awarded by Pantnagar University for the popularization of Rice hybrid RH-10 (first hybrid Rice) in District Udham Singh Nagar, This variety was handed over for the trial from Dr. Punjab singh (Ex-DG, ICAR)



Criss-Cross method of wheat Sowing



Front Line Demostration on Wheat Var. DBW 222



Green Manuring with Dhaincha Crop



Vermicompost



Transplanting of Paddy



Receiving Best Farmers Award for District U.S. Nagar