Dignitaries Visiting Sh. Sukhwinder Singh Farm







Scientist Associated

- S.S. Bawa
- Sher Singh
- Amit Salaria
- Sukhwinder Singh

Contact : Phone & Fax: +91 - 1885 - 241607
Email: rrskabs@pau.edu, subhash38@yahoo.com

Village Seed Bank - A Success Story of ORP



Vivek Sharma,
S.C. Sharma,Vijay Kumar,
Anil Khokhar and
Satvinder Singh

ALL INDIA CO-ORDINATED OPERATIONAL RESEARCH PROJECT FOR DRYLAND AGRICULTURE

REGIONAL RESEARCH STATION FOR KANDI AREA
(PUNJAB AGRICULTURAL UNIVERSITY)

BALLOWAL SAUNKHRI DISTT S.B.S. NAGAR 144 521
(PUNJAB)

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All India Co-ordinated Operational Research Project (ORP) was started at village Naudhe Majra, block Nurpur Bedi of district Rupnagar in the year 2010 with a mandate to disseminate the proven dryland technologies and there testing and refinement at farmers' field under rainfed conditions. Village Naudhe Majra is located at a distance of about 50 km from AICRPDA - Ballowal Saunkhri centre. The total cultivated area in the village is 66 ha, out of which about 60 percent is rainfed.

Maize - wheat was the dominant cropping system of the village but crop productivity was low attributed to erratic, uneven and unpredictable distribution of rainfall. The majority of farmers of the area were unaware about the improved technologies in the field of soil and water conservation, crop management practices and alternate land use. Sh Sukhvinder Singh farmer of this village showed lot of interest during the ORP new site selection meeting and appeared a motivated and enthusiastic farmer with leadership quality but not aware of improved rainfed technologies and doing farming with traditional methods.

Role of ORP - Ballowal Saunkhri

The village Naudhe Majra was selected as new site for ORP in 2010 as this village met the selection criteria and due to interest shown by the farmers. The ORP scientists started dissemination of improved rainfed technologies through demonstrations, kisan gosthis and field days. Among the various rainfed technologies introduced in the village, seed of the improved crop varieties was one of them.

Sh. Sukhvinder Singh showed keen interest in adopting the newly released improved / high yielding varieties and other rainfed technologies. He adopted *in-situ* moisture conservation techniques, intercropping, crop diversification & integrated farming on his farm. As a result of these interventions, the productivity of crops increased significantly over years. He diversified cropping system with the introduction of crops like sesame, blackgram, greengram and cluster bean during *kharif* and raya, taramira, chickpea, linseed & lentil during *rabi* season. The farmers from his and nearby villages were shown field demonstrations during the events such as field days, kisan gosthis & meetings organized for transfer of technologies. These events motivated and inspired other farmers to adopt the technologies. The farmers started requesting Sh. Sukhvinder Singh to share seed of improved varieties. In view of this, he started producing seed of self-pollinated *kharif* and *rabi* crops at his farm with technical guidance of scientists of AICRPDA centre, Ballowal Saunkhri.

Sh. Sukhvinder Singh sharing experiences among farming community

Drill sowing of wheat

Success Story of village seed Bank

Sh. Sukhvinder Singh started production of mainly self-pollinated crops by following the recommended package of practices of Punjab Agricultural University, Ludhiana to maintain the quality of seed. Presently he is sharing seed of wheat, cluster bean, blackgram, sesame, linseed, chickpea and lentil with 85 farmers of 10 surrounding villages at nominal price. His family income has increased from approximately Rs. 1 lac to 4.5 lac per annum with improve technologies.

Blackgram (Mash 114)

Sesame (RT 346)

Sh. Sukhvinder Singh is acting as resource person to farmers visiting from adjoining villages. He demonstrates all adopted rainfed technologies to visitors who visit his farm. He has become a source of inspiration and motivating others for adoption of improved crop technologies.

Seed of different crops shared by Sh. Sukhvinder Singh with farmers of nearby villages

Crop & variety	Quantity of seed (kg)	No of beneficiaries
Wheat (PBW 644)	225	12
Wheat (PBW 175)	400	8
Sesame (RT 346)	80	12
Black gram (Mash 114)	70	5
Black gram (Mash 338)	45	6
Linseed (LC 2063)	28	12
Chickpea (PBG 1)	55	5
Chickpea (PBG 5)	45	3
Lentil (LL 699)	80	12
Cluster bean	35	10