

Intensification provides sustainable livelihood to small farmers

Profile

Name	:	Sh. Sandeep Saini
Address	:	Village Akbarpur Post Bihta, Ambala-133101 (Hry.)
Mob.No.	:	9466690175
Age	:	35 yrs.
Education	:	10+2 (Senior Secondary)
Landholding	:	3.2 acres
Farming Exp.	:	15 years

Situation Analysis :

Mr. Sandeep Saini is a progressive farmer from village Akbarpur district Ambala which is nearer to Krishi Vigyan Kendra campus. His qualification is senior secondary and 35 years old whereas he has 15 years farming experience. He has 3.2 acres land which is sandy loam with good quality of ground water for irrigation and source of irrigation is tubewell. Most of the farmers of the village produce traditional crops i.e. Rice, Wheat, Sugarcane and Mustard whereas few farmers cultivate potato, Pulses and other vegetables.

Technology, Implementation and support :

KVK approached and guided the farmer for adopting high intensity of cropping pattern i.e. Rice- Potato- lentil- Moong under the supervision of scientific team of KVK. KVK has promoted the technologies in selected village of Akbarpur under the mission of Doubling Farmers Income. Farmers have followed the recommended cropping pattern for consecutively three years since 2018-19 and vice-versa popularising the technology among other farmers in his village.

Sowing of all these crops i.e. Rice- Potato- Lentil- Moong through new technology like Rice sowing with DSR Method, Potato planting through bed planter whereas Lentil and Moong by Drill machine (Line sowing).

Uptake :

Earlier he used conventional method for cultivation practice but now he used new tool and techniques. Recommended dose and time of application of seeds and fertilizers as per KVK intervention. He save money for application of input as compare to conventional method. Increasing cropping intensity minimizes of risk and increases income through different crop in a year.

Benefit :

Mr. Saini produced 70 qtl. per hectare paddy which gross return achieved Rs. 1,30,760/ha. whereas cost of cultivation was Rs. 35,225/ha so net return Rs. 95,535/ha. In case of Potato crop total production was 257.5 qtl. per ha and gross return Rs. 3,50,200/- for Rabi season, cost of cultivation was Rs. 1,80,775/- due to high cost of potato seed and net return collected Rs. 1,69,425/- . Next crop of Lentil produces 18.75 qtl. per ha and their value was Rs. 1,30,000/- @ Rs. 8,000/qtl. He sold total produce of Lentil to his village as well as nearby villages for daily consumption.

Cropping History :

S.No.	Crop	Variety	Date of sowing/ transplanting	Date of Harvesting
1	Paddy	Arize-6129	15 June, 2020	18 th September, 2020
2	Potato	Pukhraj	20 th Sep. 2020	1 st Dec. 2020
3	Lentil	L-4727	4 th December, 2020	27 th March, 2021

Spread:

There is the horizontal of the technology among the farmers covered in 2.5 ha. of this village and approx. 10.00 ha. in nearby villages (Sambhalkha, Bihta, Ghasitpur & Dukheri). Moreover he has sold variety L-4727 as seeds 6.5 qtl. to nearby farmers. Last three years he has been sowing Lentil variety LL-931 and seed provided by KVK under the NFSM programme. He introduced his field during standing of crop during organization of Field day at same field.

Photographs :**Farmers-scientists interaction on Lentil crop****Field Day on Lentil**

Inter cropping Sugarcane + Lentil, at doubling farmer income adopted village Akbarpur, Ambala



Scientists visited at farmers field