

Model case of Natural Farming Practitioners

1. Farmers Details

Ramneek Kour

W/o. Balvinder Singh,
R/o. Mangnar, Poonch,
Contact No. 6006950612.



Ramneek Kour is an educated, progressive farmwoman of village Mangnar of district Poonch who intrinsically believes in a type of farming that is less dependent on chemical usage. Owing 1.0 ha of cultivable land, the said lady along with her husband cultivates different types of cereals (Maize, wheat), vegetables (Kale, tomato, Bhindi, brinjal etc.) and fodder (sorghum and oats) and also possesses a cow and few poultry birds (20).

2. Uniqueness of work related to NF

Fascinated by the concept of Natural Farming during an awareness programme at her native village, Ramneek Kour approached KVK and attended a two days training programme w.e.f. 30.12.2022 to 31.12.2022 on Natural Farming at KVK Poonch. Seeing and appreciating her enthusiasm, she was facilitated by KVK with a demo kit on Natural Farming. She learned the art of NF, understood its components like the preparation and application of Jeevamrit and Beejamrit. She applied Jeevamrit in wheat, Oats and vegetable crops and also practised application of derekastra and Shaumastra for management of insect pests and diseases in vegetable crops.

3. Major practices of NF adopted:

1. Initially she applied jeevaamrit on one kanal of 1 Wheat crop and in the succeeding years increased the area under jeevamrit application particularly in wheat and oats crop.
2. She practised the application of Jeevamrit in Wheat and oats at 15 days interval for 3 months.
3. Seed treatment of vegetables with Beejamrit as there was a continuous drought in said village.
4. Since vegetable crops are prone to the attack of insect pests and diseases, she sprayed derekastra as Derek leaves and twigs are available in district Poonch and also applied saunthastra for management of diseases in vegetable crops.
4. She also applied wheat mulch in vegetable crops to ensure moisture conservation.

4. Details of area renovation center developed at farm

Since village Mangnar is situated on a hilly terrain with main market 7-8 kms away from the village. Under such conditions, it really becomes difficult especially for lady farmer to manage inputs like fertilizers etc. from the market during the cropping season. Since the farmer learned the art of preparation of natural farming formulations and in view of her access to animal urine and cow dung as she possess a desi cow, it became easy for her to increase the area under natural farming especially in case of wheat and oats coupled with vegetables. At present, she practices Natural Farming on 4 kanals of wheat and oats each during Rabi season and one kanal under vegetables during kharif and Rabi season.

5. Methodology of preparation of concoctions/bio-inputs /bio-pesticides

Ramneek Kour prepares the different types of Natural Farming formulations as per the training received and as demonstrated at her Farm by KVK scientists. In view of availability of desi cow she prepares jeevamrit as and when required and also prepares the derekastra on the analogy of Neemastra. She also prepares saunthastra for disease management by mixing ginger (100gm) in one litre of milk and 100 litres of water. Ginger concoctions possess high antibacterial and fungicidal effect and its regular application has reduced the incidence of different types of fungal and bacterial diseases in her vegetable crops.

6. Marketing Strategy of Production

Ramneek Kour possesses good business acumen. She sells the surplus produce especially vegetables and wheat at good prices through linkages with different vendors. She also sells her surplus produce directly to local customers and has been able to develop a local customer base.

7. Year-Wise Economic Impact of Natural Farming

		Wheat (WH1080)	Oats (Kent)	Garlic (Local)	Brinjal (Local)
2022-23	Area (acre)	0.5	1	0.5	0.5
	Yield (q/area)	16.1	106.4	18.6	26.9
	Cost of Cultivation (Rs/area)	4760	8312	22100	11760
	Gross income (Rs/area)	17286	27664	72384	33600
	Net Income (Rs/area)	12526	19352	50284	21840
	B.C Ratio	3.63	3.33	3.28	2.86
2023-24	Area (acre)	0.5	1	0.5	0.5

	Yield (q/area)	16.3	107.4	19.4	27.6
	Cost of Cultivation (Rs/area)	4936	8480	22906	11760
	Gross income (Rs/area)	17544	27924	75778.56	34500
	Net Income (Rs/area)	12608	19444	52872.56	22740
	B.C Ratio	3.55	3.29	3.31	2.93
2024-25	Area (acre)	1.0	0.5	0.6	0.4
	Yield (q/area)	17.0	108.8	20.2	28.0
	Cost of Cultivation (Rs/area)	10200	4400	28104	9544
	Gross income (Rs/area)	36550	14416	97152	29120
	Net Income (Rs/area)	26350	10016	69048	19576
	B.C Ratio	3.58	3.28	3.46	3.05

8. Influence on other farmers

Fascinated by her success in terms art and practice of Natural Farming, farmers from vicinity frequently visit her field and learn the practices of Natural Farming. A large number of farmers including men and women have resorted to Natural Farming in a short span of time. It has encouraged them to prepare bio-inputs and other cow based formulations on their own. Under the climate resilient agriculture, they believe that Natural Farming can be a way out.

9. Impact

1. No use of chemical fertilizers has ensured better quality of produce.
2. Higher economic returns as no money was spent on purchase of fertilizers
3. Reduced incidence of diseases and pests especially in vegetable crops
4. Improvement in soil health as more population of earthworms was found in vegetable fields.

10. How KVK can help in promotion of NF

KVK Poonch is helping a large number of like- minded farmers through awareness, trainings and demonstrations. Under National Mission of Natural Farming project, KVK has extended its horizons by regularly conducted awareness and training programmes in far-flung areas of this hilly district. Just in a couple of years, farmers have taken Natural Farming as responsibility for sustainability of agriculture and ecosystem. KVK scientists are extending every possible help and guidance to all such farmers who wish to practice Natural Farming. By demonstrating the economic benefits of natural farming, KVK scientists are actually

demoralizing farmers from chemical fertilizers which can surely have great dividends for better ecosystem in future.



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