

Success Story on Intensive Cropping System

Mr. Anand Kumar Nishad is a 50 years old marginal farmer of village Pavenpur block Piprouli district Gorakhpur. He is owner of only 30 decimal (0.30 acre) land and 1.0 acre land taken on lease at Rs. 20000 for one year. He has 7 family members with 4 girls and 2 boys. Mr. Anand is illiterate but his all girls studying in B.A., B.Sc., Intermediate and 10th class respectively and both boys also studying in B.A. & ITI and 6th class. Mr. Anand growing of vegetable only i.e. cucurbits, carrot, radish, beetroot, spinach, fenugreek etc.

Interaction with KVK: Mr. Anand attended trainings at KVK and selected by KVK for demonstration and provided improved varieties of vegetable seeds and technology. He earned a good yield hence for further doing something new, he contacted to Dr. S. P. Singh, Scientist (Horticulture) KVK Belipar, Gorakhpur. He discussed about low yield and net return from vegetable production therefore, KVK scientists suggested him to adopt off season and early cultivation of vegetable crops with improved technologies for quality based production.

Innovativeness: Mr. Anand is hard working farmers and he is able to grasp the technologies faster and adopt it. He is actively involved in all day to day working of farm and marketing. After training at KVK he is able to identify insect pest of cucurbits, onion, radish etc. and their management practices. He is actively guided to other farmers in adoption of new technologies.

Mr. Anand's field divided in two parts one part of size 1.0 acre which is use cultivation of bottle gourd, sponge gourd and bottle gourd in relay cropping with machan technology and Another 30 decimal (0.30 acre) area use for cultivation of short duration vegetable crops for earning daily income to fulfill the basic needs of family members.

Economics of 1.0 Acre field:

Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography)

Duration	Crops	Production (q)	Cost of Cultivat
March - September	Bitter gourd	205	51200
July - October	Sponge gourd	121	28750
September - December	Bottle gourd	510	47800

Duration	Crops	Production (q)	Cost of Cultivat
Machan			61300
		Total	189050

Economics of 30 decimal (0.30 Acre) field:

Duration	Crops	Area (decimal)	Production (q)	C
March - August	Cucumber	15	25	60
	Bottle gourd	15	32	60
September - December	Carrot	10	10	30
	Beetroot	5	8	20
	Spinach	5	8	20
	Onion (leaf)	10	20	40
January – February	Radish	30	45	60
Total				300

With new technology provided by KVK, he is getting 7-8 lakhs net income per year from 1.30 acre area and have good social status.



Cultivation of bottle and bitter gourd through machan technique



Cultivation of cucumber on vertical machan technique and inter cropping of onion with cucurbits

Impact: Cultivation of cucurbits through machan technology and inter cropping of vegetables disseminated nearby 7 villages and 67 farmers benefited through adapted this technology and earning regular income through vegetable production and improve economic status of farmers.