

## *Integrated farming system: Success story of a progressive farmer*

Vivek Pratap singh<sup>1</sup>, A. K Singh<sup>1</sup> and R. P. Singh<sup>2</sup>

SMS-Animal Science<sup>1</sup>, SMS-Agronomy<sup>1</sup> Mahayogi Gorakhnath Krishi Vigyan Kendra, Gorakhpur, U.P.

<sup>2</sup>Senior Scientist and Head, KVK, West Champaran-II

### *Introduction*

Integration of various agricultural enterprises viz., cropping, animal husbandry, fishery, forestry etc. have great potentialities in the agricultural economy. These enterprises not only supplement the income of the farmers but also help in increasing the family labour employment. The integrated farming system approach introduces a change in the farming techniques for maximum production in the cropping pattern and takes care of optimal utilization of resources. The farm wastes are better recycled for productive purposes in the integrated system. A judicious mix of agricultural enterprises like dairy, poultry, piggery, fishery, sericulture etc. suited to the given agro-climatic conditions and socio-economic status of the farmers would bring prosperity in the farming. Agriculture practiced with animal husbandry not only gives additional income and employment opportunity to the family members around the year and also livestock excreta utilized as manures lowered the cost of fertilizers. Additional yields from crops. Soil fertility was protected. Crop residues used as livestock feed will reduce the feed cost. In this method agriculture along with fodder and azolla production combined with animal husbandry we will get more benefits.

Mr Ashfaq Khan S/o Navijan Khan is a progressive farmer belong to Village Nayagaon, Block- Jungle Kaudiya, District- Gorakhpur, Uttar Pradesh, His aged 50 years old and qualification has Post Graduation. The Village Nayagaon located in 28 km away from District Headquarter and 8 km from MGKVK Chaukmafi. He has 05 Acre Land and a pakka house he adopted traditional crop rotation Paddy – Wheat. Lack of knowledge awareness on scheme technology management so that He could not avail any facilities from Government & Other agency as a result he faced many difficulties regarding intervention of agricultural activities through- new methods & technology, besides that he and his family cultivated crop production in traditionally methods and Production is very low. Resulting low income in farming.

## Description of Intervention and process undertaken

In 2019 Mr Khan contact to Animal Scientist of Mahayogi Gorakhnath Krishi Vigyan Kendra, and participated in training organized on Integrated Farming system by MGKVK. After that of he created awareness to start Integrated Farming System as enterprise in the guidance of



Photographs of progressive farmer during different Activity

MGKVK Scientists. The area is situated near his residence. Mr Khan starting integrated farming system after achieving technical knowledge. He has 3 fish ponds in which 0.5 acre are under production and 0.01 acre used as a nursery pond, 100 Desi & 1500 broiler, 35 Goat, 2 milking cow, 0.5 acre for horticultural crop, 0.5 acre for fodder crop and 3 Acre area under crop production throughout the year.

### **Outcome-Annually profitable income**

As per the cost benefit analysis Mr Khan getting Income from different component viz. fisheries, poultry, dairy, vegetables, goatry and crop production under Integrated Farming System is up to Rs 7.00 lakh/annum annually. His socio-economic status is recognized as a Progressive Farmers.

### **Impact**

Integrated farming system made better utilization of resources, substantially with proper nutrition and feeding, diseases control and management, provides more profit. Sri. Khan income increased more than two times which improved his livelihood and its example for others farmers to adopt this practice. Farmers are impressed and adopt integrated farming system after viewing the result demonstration of Integrated Fish Farming.

