

Name of the KVK: Mahayogi Gorakhnath Krishi Vigyan Kendra, Gorakhpur
Bittergourd cultivation with Machan system

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Introduction: Mr. Satyadev, Vill.-Ranadeigh, Block- Bharohiya, District- Gorakhpur, size of land holding 03 acre. His aged 58 years old and qualification has high school. The Village Ranadeigh located in 30 km away from District Headquarter and 1.5 km from MGKVK Chaukmafi. Presently he is a role model for farmers to get additional income by vegetable production. His income ranged from 03 -05 lakhs annually from vegetable production.

Plan, implement, support and linkage with MGKVK: Mr. Singh came in contact with the Horticulture Scientists of Mahayogi Gorakhnath Krishi Vigyan Kendra and showed his keen interest in cucurbits cultivation like bitter gourd and cucumber. He gain the technical knowledge from KVK scientists. He started Bitter gourd cultivation with machan system. He also raring milking cows for milk and manure. Now he is earning up to Rs. 03 lakh /annum by selling vegetable and milk.

Output: Mr. Satyadev adopted the technology with high yielding variety VRBTG-10 as per suggestion of KVK's scientist for his land. The variety VRBTG-10 developed by ICAR-Indian Institute of Vegetable Research, Varanasi and procured from there. His local yield was 280 qt. with their variety. The recommended technology yielded increased by 16.07% with yield 325 qt. The economical gain in terms of per hectare expenditure (Rs. 180000/-), gross income (Rs. 520000/-), net return (Rs. 340000/-) and B:C ratio (2.88) were recorded.

Outcome: This practice has been disseminated in many villages of the district. The outcome of this demonstration motivated the farming communities towards use of Machan system understand their benefits. Prevent the decay of fruits, maintain the fruit quality, fruit attain their maximum height with attractiveness. Mr. Singh is very happy on improvement in their income, livelihood and set forth example for others.

Impact: Mr. Satyadev is very happy on improvement in their income, livelihood and set forth example for others and becoming one of the progressive and learned farmers for others with regards to popularization of using machan system and nutrient management. This technology helps him for livelihood, empowerment and make him enthusiastic regards variety, fertilizer use etc. He is one of the progressive farmer after a becoming a part of KVK activities and get their effectiveness for his own development.

