

I. Title of the Success story: Seed Potato Production

Potato is one among the important potential food crops of Longjang village under Mokokchung district. Climatic condition favours both spring and autumn cropping. Despite its demands farmers who are mostly marginal grow only in small areas with degenerated seeds from grocery stores which harbours many diseases due to non-availability of seeds and high cost of quality seed tubers coupled with lack of knowledge on scientific production leading to poor yield. These constraints have become the base for the farmers to opt for degenerated seeds and low yielding small tuber size local cultivars for cultivation.

Beneficiary details

Farmers Name: Meyatoshi Aier
Address : Longjang village
Contact details: 7005630034
Aadhaar No : 616117583147



Locations

Longitude : 94.582783⁰
Latitude : 26.504872⁰

Baseline survey brief:

Basing on the climatic suitability, PRA was carried out. Preliminary survey suggested that 80% of the farmers were marginal farmers who practice agriculture for sustenance. Survey also showed that different types of vegetables were cultivated including other sub-tropical fruit crops. However farmers were not into commercial agriculture except for few farmers who sell their surplus in Mokokchung daily market occasionally. Most farmers were willing to venture into profit earning agriculture but technical knowledge, economy, quality seed inputs and market were the main limitations. Based on the outcome seed potato production was streamlined as one important option for sustainable income for the marginal farmers.

Inputs distribution:

There were many farmers who were willing to adopt and undertake in seed potato production, but because of the limited seed inputs only few farmers were selected among whom Meyatoshi Aier, a young progressive farmers was also a beneficiary. He was supplied with 500 kg of seed potato to undertake its production program in the year 2021. Apart from seeds implements like Knapsack sprayer, organic inputs were also provided to him.

Scientific interventions made:

- * Scientific Seed Potato production program
- * Development of potato seed village

Trainings and demonstrations attended by the beneficiary:

Mr. Meyatoshi Aier attended both 1st phase and 2nd phase training program organized by the Kendra on quality seed potato production technology and Post harvest management of seed potato in the year 2021 and 2022 respectively. At present he is the main farmer coordinating at village level for all seed village programs and activities.

Change in income and economics with cost benefit ratio

Year 2021:

Cost of production (Rs)	: 28000 (inclusive of seed cost)
Total Gross income (Rs)	: 80750
Net Income (Rs)	: 52750
C:B Ratio	: 2.88

Year 2022

Cost of production (Rs)	: 48000
Total Gross income (Rs)	: 165200

Net Income (Rs) : 117200

C: B Ratio : 3.44

Impact (Yield enhancement, income, etc.)

In the first year of the programme (2021), from 800 kg of seed potato supplied for production Mr. Meyatoshi Aier harvested a total of 3950 kg of potato. Out of which 1470kgs were seed grade and the rest table purpose. All the seed grade produced in the first year was kept as own seeds for the next season. In the 2022, all the seed kept for seed purpose were sown which produced a total of 8260 kg earning a total gross income of Rs.165200. In a span of two years Mr. Meyatoshi Aier has increased twofold his income under KVK interventions. He has not only earn better income from potato seed production but has produced and made available 2500kgs of quality seed for his villages who will also be partnering him in producing better quality seeds for other farmers. Krishi Vigyan in collaboration with NABARD has adopted the whole Longjang village as potato Seed village in the year 2022. Mr. Meyatoshi Aier has become a model farmer for those farmers who are willing to adopt new technologies for better livelihood but are restrained by lack of knowledge and poor economy.

