

Maximizing cropping intensity of a vegetable farm for higher income generation

Smt. Kabrabam Ranjita Devi aged 38 years is W/O K. Rojen Singh who is 44 years old is an enthusiastic farm woman residing at Saiton Hayaikon, Bishnupur district of Manipur. She studied up to 10th standard and has two children staying at the hostel of their respective schools. Farming is the only source of income to manage the family expenditure including expenses on her children's education. She was growing vegetables in an area of about 0.37 ha. Her husband Shri Rojen Singh and herself are the only labours for their farm activities. During 2017-18, She was cultivating only two crops viz. carrot and vegetable rapeseed mustard in her farm due to lack of scientific knowledge of farming practices. And thereby getting low income of about Rs 62,500/- (Sixtytwo thousand five hundred) only per annum which is insufficient to meet the family expenses and to secure livelihood. One day, she watched a programme on interaction of a progressive farmer with a subject matter expert through U-tube channel of DDK, Imphal. She was inspired by the farmer's views and was keen to learn the techniques to cultivate crops and to become a successful farm woman. She approached and met the Subject Matter Specialist – Horticulture in the Krishi Vigyan Kendra, Bishnupur district of Manipur, who guided scientific cultivation of vegetables.



Smt. Kabrabam Ranjita Devi

With the advice of the SMS- Horticulture, she started the modification of her traditional practices of vegetable cultivation. She attended many training programmes both Short days and long days Skill development programme conducted by KVK, Bishnupur. She arranged 3- days training programme sponsored by KVK, Bishnupur at her "Vegetable Farm Hut" in order to have the privilege of showing her vegetable growing field to the trainers and trainees. And also to have the demonstration by the Trainers with the motto Seeing is Believing. Through the gained and learned knowledge gained and learned from attending training programmes, she adopted scientific vegetable based cropping system by increasing the cropping intensity at her available farm land. She started scientific cultivation of vegetables with improved package of practices formulated by KVK Bishnupur. She could increase the cropping intensity by adopting the proven technologies provided by SMS-Horticulture of the Kendra. Some of the major vegetable crops which are growing in her farm are Vegetable mustard, Radish, Cabbage, Broccoli, Cauliflower, Knol Khol, Broadbean, Okra, Chilli, Brinjal, Potato, Pumpkin, etc.

Now, Smt. Ranjita could earn Rs 2,89,500 (Rupees two lakhs eighty nine thousand five hundred only) as annual net income which is about 363% increase over traditional cultivation practices. Now, she has full confidence on selection of high income generating vegetable crops based on the preference of Churachanpur market as the village Saiton Hayaikon is the border of Bishnupur and Churachandpur. She was bestowed in the recognition of her achievement in the field of horticultural crops by KVK, Bishnupur during the Celebration of Farmers' Day of 2021. Social media viz. DDK Imphal and local news papers covered her achievements and farm activities. Now she has become a successful farm woman and a role model of the unemployed school drop out Rural youths of her village and also recognized the role and activities of KVK Bishnupur district, Manipur.

❖ Cropping Intensity during traditional practices	:100%
❖ Cropping Intensity after Scientific intervention	:248.6%
❖ Gross income per annum after Scientific intervention	: Rs.3,41,000/-
❖ Net income per annum after Scientific intervention	: Rs. 2,89,500/-
❖ Cost Benefit Ratio (B:C)	: 6.6:1



Photo 1: Field preparation for vegetable cultivation



Photo 2: Transplanting of Knolkhol var. Winner Mino Early Long White



Photo 3: Earthing up of Okra var. Arka Anamika cultivation



Photo 4: Transplanting Chilli var. Sakata-653



Photo 5: Earthing up of Broadbean var. Pusa Udit plot



Photo 6 : Harvesting of Vegetable mustard local cv. *Potshangbam yella*



Photo 7 : Harvesting of Broadbean var.Pusa Udit



Photo 8: Harvested Rabi vegetables for local household consumers



Photo 9 : Harvested Knol-Khol var. Winner



Photo 10: Field of radish var. Mino Early Long White



Photo 11: Harvesting of Cabbage var.Rareball



Photo 12: Harvesting of Pumpkin var.Saint 2221



Photo 13: Fruiting stage of Chilli var.Sakata-653



Photo 14: Harvesting of Chilli var.Sakata-653



Photo 15: Harvesting cauliflower var. Candid Charm



Photo 16: Harvested Radish var. Mino Early Long White



Photo 17: Broccoli var. Green Magic sale at Farm gate



Photo 18: Training cum demonstration on Vegetable based cropping system



Photo 19: Making bundles of vegetable mustard for market



Photo 20: Harvested cauliflower curd var. Candid Charm for Market



Photo 21: Harvested chilli var.Sakata-653



Photo 22: Harvested Okra var. Arka Anamika



Photo 23: Conferred a Citation on achievement in the field of horticultural crops by KVK,Bishnupur on Farmer's Day 2021



Photo 24: DDK coverage on Smt.Ranjita 's achievement