

Success Story

Vegetable Production under ICAR-IARI NEH Programme at Wokha

Wokha is the land of Lotha – Nagas having a total geographical area of 1628 sq. km, accounting to 9.82 % of the total geographical area of the State. Wokha District is situated at latitude of 26° '8' North and a longitude of 94° '18' east. The average rainfall varies from 2000 mm to 2500 mm. the altitude ranges from 304.3 mts to 1313.67 mtrs MSL. The climate is warm in the lower plain areas, moderately warm in the upper region during summer but cold in winter. Monsoon starts from May and continues till October.

It falls under mid tropical hill agro-climatic zone with 3 agro ecological situation namely AES I (comprising of Ralan, Bhandari and Changpang block of the lower range), AES II (comprising of Sanis block of the middle range) and AES III (comprising of Wokha, Chukitong and Wozhuro block of the upper range) and is therefore, suitable for growing various cash crops, fruits, vegetables, plantation crops, animal husbandary, sericulture and fishery.

Wokha District is well known for its vegetables. The district is suitable for cultivation of any vegetables due to favourable and diverse climatic conditions and fertile soils.

Challenge:

To diversify the cultivation of vegetables and increase the area and production of vegetables with improved varieties.

Initiative: KVK Wokha received seeds of vegetables like pea, onion, mustard, potato, radish, carrot, tomato, okra, etc from IARI-ICAR NEH component during 2020 – 21. Under this programme seeds were distributed to 146 farmers from 10 villages.

Result:

5 nos. of trainings were conducted and seeds were distributed during the training programme. The results obtained were:-

Sl. No.	Crop	Area	Quantity	Yield
1.	Potato var. Kufri garima	10 ha	3000 kg	248.5 q/ha
2.	Onion var. Pusa ridhi and Pusa madhvi	4 ha	30 kg	58.2 q/ha
3.	Carrot var. Pusa rudhira, Pusa vrishti	2 ha	33.5 kg	72.1 q/ha
4.	Garden pea var. Pusa pragati	1 ha	112.5 kg	76.3 q/ha
5.	Tomato var. Pusa rohini	0.2 ha	200 gm	121.2 q /ha

Feedback:

The programme was conducted successfully with positive feedback from the farmers. The farmers convey their gratefulness for the timely supply of quality seeds yielding good results. Due to the deficit rainfall during the crop season, however, the yield was reduced.

Impact on farmers income:

There was an area expansion of 17 ha for undertaking the programme in rabi season. On an average, the farmers could earn a net income of Rs.70260/- with a cost benefit ratio of 2.56 :1 from vegetable cultivation in rabi season.

Lesson learnt:

Demonstration programme on vegetable cultivation under ICAR-IARI NEH programme is a very good initiative to boost and uplift the economy of the farmers as well as to popularize the technology. Farmers rarely go for vegetable cultivation in rabi season due to lack of irrigation facilities and high cost of vegetable seeds and lack of quality seeds, however, they have come forward for the programme which has benefitted them. Therefore, technology dissemination may be continued for the benefit of the farmers and popularize the technology of ICAR – IARI.

Supporting images:

