

1. INTRODUCTION OF ZORIN FRENCH BEAN

INTRODUCTION

Zorin French bean is a purple coloured beans which was named after Mizoram **Hon'ble Chief Minister Pu Zoramthanga and Agriculture Minister Pu Lalrinsanga**. It was released for the first time in Mizoram by the State Variety Release Committee (SVRC) on 5th March 2019. This variety became very popular due to its distinctive purple colour. **Zorin** beans have higher antioxidant property than the normal green color French bean that makes it a valuable for health benefits to the consumer. It yields more than the green color French bean and matures earlier.

KVK INTERVENTION

KVK, Kolasib conducted On Farm Trials on 'Performance evaluation of French Bean var Zorin' in Chemphai and Buhchangphai village. The major problem diagnosed is poor performance during off season and high incidence of pest (blister beetle) and disease (damping off). Since this is a newly introduced variety, farmers were given awareness by using various practices through method demonstration, trainings and distribution of leaflets. Further, Front Line Demonstration was conducted on 'Popularization of French bean var. Zorin' during 2020-2021 in 10 farmers field covering different villages within Kolasib district.



Zorin French Bean - Farmers Field

OUTPUT & OUTCOME

After introduction of the new French Bean variety, farmers choose to go for Zorin bean rather than the local beans since it produced much higher yield. The duration from sowing to harvesting was comparatively shorter (5days) as compared to normal green pod variety. The number of pods per plant is 32 pods in Zorin variety against 17 pods per plant in the local variety. Benefit cost ratio was also high as compared to the local beans. Result is presented in the table below:

Parameters on Assessment	Results/Observations	Net Return (Rs/ha)	B:C Ratio
Technology: Zorin French Bean		2,63,261	2.42
1.Survivality%	89%		
2.No.of pods/plant	32 pods		
3.Yield (q/ha)	55.4		
Farmer's practice (Local Variety)		1,96,000	1.6
1.Survivality%	76%		
2.No.of pods/plant	17 pods		
3.Yield (q/ha)	43.4		

IMPACT

Farmers were satisfied with the newly introduced variety and are very much interested in cultivating Zorin beans as they are getting good monetary income from the produce. They are willing to

take up more areas under Zorin bean cultivation and by now they can supply quality seeds to the neighbouring villages.