

## HORIZONTAL EXPANSION OF SHORT DURATION HYV OF GARDEN PEA IN MIZORAM

### INTRODUCTION

Farmers of Ruantlang village, Champhai, Mizoram have been cultivating old local varieties of Pea generally buying from the Grocery shop which are low yielding, tall stature, and sensitive to Powdery mildew and long duration (120 days maturity). These characteristics of old varieties do not attract the farmers for commercial cultivation and moreover it was not profitable. Pea are generally sown during second week of October and harvested during last week of January. The main reason for introduction of Azad Pea-3 is to increase garden pea production as well as cropping intensity and farmer's income.



### KVK INTERVENTION

The KVK, Champhai introduced Azad Pea-3 through OFT and FLD in the district with an aim to popularize double cropping by utilizing the residual moisture of soil after harvesting of maize, bean, soybean and rice. Good quality seeds were provided to the farmers on training for timely and line sowing.

### OUTPUT

With the adoption of short duration HYV of Garden Pea (var. Azad Pea-3), the average productivity recorded was 2.35 t/ha with a net return of Rs. 57,800/- per ha compared to local variety yielding 1.56 t/ha with a net return of Rs. 29,920/- .

### OUTCOME/IMPACT

Initially, 9 farmers have adopted the intervention of cultivation of short duration HYV Garden Pea (var. Azad Pea-3), during the year 2016-17. Recently, 82 farmers from Vengsang, Tlangsang, Zotlang, Ruantlang, Mualkawi, Khawzawl and Champhai villages covering 45.8 hectares of land. The average productivity of the variety was 2.4 t/ha with a net return of Rs 58,000.

Interventions	Extent of adoption in the village in ha				
	2014	2015	2016	2017	2018
Garden Pea (var. Azad Pea-3)	Nil	1	4.5 ha	18.2 ha	45.8 ha
Number of Village covered	Nil	2	2	5	7



Practical learning and discussion of B.Sc.(Ag) students with progressive farmer of Field Pea at Tuisen Phai, Khawzawl, Mizoram.

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