

SUCCESS STORY

Popularization of Tomato var. Arka Rakshak in Bishnupur District.

Background : Tomato is one of the most widely cultivated vegetable of Bishnupur District, Manipur and mainly grow for commercial as well as family consumption. The farmers of Bishnupur district, Manipur were facing a drastic reduction in tomato yield during kharif season due to unavailability of disease resistant varieties. On farm trial on Varietal performance of Tomato var ArkaRakshak was conducted during 2014-15, 2015-16 and 2016-17 in farmers' field. The yield performance and economic impact of the assessed technology were found higher than the farmers' practice. From the success result of the two years trial, Front Line Demonstration on Popularization of Tomato var. Arka Rakshak was taken up during kharif season of 2017-18 and 2018-19.

Intervention process : In order to solve the farmers' identified problems and to increase the yield of Kharif tomato, SMS- Hort,Kvk,Bishnupur was introduced the tomato var. ArkaRakshak to about 230 farmers of Bishnupur District through various extension activities. On Farm Trials on Varietal evaluation of Tomato were conducted during 2014-15,2015-16 and 2016- 17 in farmers' fields of different locations of Bishnupur District. From the result of the assessed technology, the new tomato var. Arka Rakshak was found as a promising variety in the district .Hence KVK ,Bishnupur has conducted Front Line Demonstration in the year 2017-18 and 2018-19 in farmers' field of different locations viz Leimaram, Toubul, Potshangbam, Kwasiphai ,Upokpi, Khoijuman etc to create awareness about the new promising variety which enhances production and productivity.

Intervention technology : The different farmers' field for Front Line Demonstration was selected and visited 4-5 times before implementing the demonstration program.Group discussion and training programs on cultivation practices of tomato were conducted for the selected beneficiaries. The details of technology was Tomato variety Arka Rakshak, Seed rate: 400 g/ha,FYM:500 Kg/ha,NPK:120:80:60 Kg/ha, Spacing :60 cm x 45 cm. SMS-Horticulture has visited the demonstration fields for every stage of the standing crop.

Impact Horizontal spread : The demonstration conducted in farmers field was appreciated by neighboring farmers also and they too interested to follow the similar technical intervention in their fields. Horizontal spread of the variety Arka Rakshak has covered about 10 ha till reporting period 2018-19.

Performance of Tomato var. ArkaRakshak during 2017-18 & 2018-19

Crop	Avg. yield (Q/ha.)		Avg. yield (Q/ha.)		Economic impact (Rs./ha.)				Economic impact (Rs./ha.)			
	Demo		Check		2017-18				2018-19			
	2017-18	2018-19	2017-18	2018-19	GC**	GR* *	NR* *	BC R**	GC**	GR* *	NR* *	BCR**
Tomato Var.Arka Rakshak	247.91	333.03	207.5	251.70	7195 6	4958 20	4238 64	6.89 :1	755 37	4995 45	4240 08	6.61:1

From the yield performance and economic impact of Tomato var. Arka Rakshak, the tomato farmers are convinced to grow Arka Rakshak in large scale areas which will easily increase the economy and also support the welfare of farmers .

