

### Introduction of New Cluster bean variety TNAU-MDU-1 in Thiruvarur District

1	Background of Farmer	:	Th. P. Vasudevan, S/o Padmanaban, 433/16, Mukulamsathanoor Post, Mannargudi Taluk, Thiruvarur District, PIN -614 018. Mobile : +918098195124 Land Holding : 5 acres Irrigation Source : 1 borewell
2	Intervention Process	:	Through Front Line Demonstration during 2015-2016
3	Intervention Technology	:	New Cluster bean variety TNAU-MDU-1
4	Impact Horizontal Spread	:	Earlier the farmers used to cultivate only the locally available Cluster bean variety with low yield potential i.e. 7-8 tonnes per hectare and highly susceptible to powdery mildew disease. He has approached ICAR-KVK, Thiruvarur to take advice on improving his farm income through other Cluster bean varieties / hybrids. To overcome this issue the Front Line Demonstration on New Cluster bean variety TNAU-MDU-1 with a yield potential of 13 t/ha and resistant to powdery mildew disease has been proposed to sustain and generate more income from Cluster bean cultivation for the year 2015-16 and accordingly the programme was approved by the Directorate, ICAR-ATARI, Zone VIII, Bengaluru. Initially ICAR-KVK, Thiruvarur has provided some important critical inputs like TNAU-MDU-1 Cluster bean seeds and IIHR vegetable special. He got a yield of 11.83 tonnes yield per hectare with a gross income of Rs. 94640/-, net profit of Rs. 62640/- per hectare with a cost benefit ratio of 2.9.
5	Impact Economic Gains	:	The farmers obtained a yield of 11.83 tonnes per hectare with a gross income of Rs. 94640/- per hectare. The net profit of Rs. 62640/- per hectare can be achieved through the adaption of new released vegetable variety MDU - 1 especially in Cluster bean.
6	Impact on Employment Generation	:	All the farmers have expressed their happiness on the performance of TNAU-MDU-1 high yielding Cluster bean variety over the existing local variety. The yield increase was 39 per cent higher than local variety.