

Introduction of high yielding TNAU Bottle gourd hybrid Co-1 in Thiruvarur District

1	Background of Farmer	:	Th. K. Rajendran, 106, Melanagai Post, Mannargudi Taluk, Thiruvarur District, PIN -614 001. Mobile : 09788545087 Land Holding : 7 acres Irrigation Source : 2 borewell
2	Intervention Process	:	Through Front Line Demonstration during 2015-2016
3	Intervention Technology	:	High yielding TNAU Bottle gourd hybrid Co-1
4	Impact Horizontal Spread	:	Earlier the farmers used to cultivate only the locally available Bottle gourd hybrid with low yield potential i.e. 50-60 tonnes per hectare and highly susceptible to pest and diseases. He has approached ICAR-KVK, Thiruvarur to take advice on improving his farm income through other Bottle gourd varieties / hybrids. To overcome this issue the Front Line Demonstration on High yielding TNAU Bottle gourd hybrid Co-1 with a yield potential of 79 t/ha and resistant to pest and diseases has been proposed to sustain and generate more income from Bottle gourd 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 Bottle gourd hybrid Co-1 seeds and IIHR vegetable special. He got a yield of 74.0 tonnes yield per hectare with a gross income of Rs. 222000/-, net profit of Rs. 148000/- per hectare with a cost benefit ratio of 3.1.
5	Impact Economic Gains	:	The farmers obtained a yield of 74.00 tonnes per hectare with a gross income of Rs. 2,22,000/- per hectare. The net profit of Rs. 1,48,000/- per hectare can be achieved through the adaption of new hybrid Bottle gourd co-1.
6	Impact on Employment Generation	:	All the farmers have expressed their happiness on the performance of TNAU Bottle gourd hybrid Co-1 hybrid over the existing local variety. The yield increase was 36 per cent higher than local variety.