

TKM 13 as a alternate fine grain variety to Bapatla

Background of the Farmer	<p>Th. Mannargudi.S.Ranganathan General secretary, Cauvery Delta Farmers Association, Muthal theru, Mannargudi taluk, Tiruvarur. 9486428416</p> <p>Details: Mr.Mannargudi S. Ranganathan, General secretary, Cauvery Delta Farmers Association and he is a ardent agriculturist. He produces quality seeds and supply to the farmers of Thiruvarur district. Thiruvarur is known for paddy cultivation throughout the year and almost all farmers do cultivation practice in thaladi season.for thaladi season Bapatla paddy variety is preferred for its fine grain with good marketing value, but it has many disadvantages. For procuring seeds farmers have to depend on private body, the plant is susceptible to pest and diseases and there is a frequent incidence of false smut and gall midge. So an alternate fine grain variety is required with good marketing value.</p>
Intervention Process	Front line demonstration on TKM 13 Seed production, training and repeated diagnostic visit.
Intervention Technology	ICAR KVK has proposed a front line demonstration on “Demonstration and Participatory Seed Production of rice variety TKM 13 in Thiruvarur district” with critical input of good quality seeds, seed treatment inputs and chemicals.
Impact Horizontal Spread	The contact farmers of Mr.Ranganathan have been selected and The performance of TKM 13 on direct sowing was demonstrated in one acres of land. Technical advice has been given with frequent field visit to the paddy field.
Impact Economic Gains	Harvesting is early 130 days compared to BPT (145 days). Less disease incidence and less use of plant protection chemicals. In few fields blast has been observed as the only disease incidence and it has been treated with pseudomonas and fresh cow dung spray. The maximum yield in this trial recorded was 2270/acre. Yield is on par with BPT, yet good price value for seeds.
Impact on Employment Generation	Th. Mannargudi.S.Ranganathan was very thankful to the ICAR-KVK programme coordinator and scientists involved in this trial. He is creating awareness to farmers about the new variety and 40 tonnes of seeds were produced as TFL and it has been sent to Department of Agriculture Thiruvarur. By this process it is expected to cover 1600 Ha in the forth coming season.