

**ICAR – RVS - Krishi Vigyan Kendra
Tirunelveli District
On Farm Trial (OFT)**

S. No.	Crop / enterprise	Title of intervention	Prioritized problem	Technology options	No of Trials
1	Groundnut	Assessing suitable short duration high yielding Groundnut variety	Low yield potential of existing variety. Drought during later crop	To 1. Farmer's Practice To2. TCGS 1043 To 3. CO 7	5
2	Paddy	Assessment of performance of green manuring practice in Paddy	Low soil fertility and Nutrient availability Low yield	To 1. Farmer's Practice To 2. Green manuring with Daincha To 3. Multi variety green manuring	5
3	Blackgram	Assessment of Blackgram varieties for yellow mosaic virus disease resistance	High incidence of YMV (44.65%) Lack of awareness on IPDM practices Poor yield due to Cultivation of local variety	To1- Farmer's practices To2 - VBN (Bg) 8 To3 - TBG 104	5
4	Tomato	Assessment of Tomato Hybrids against leaf curl virus	Crinkling of leaves Stunted growth Leaf curl disease Reduction in flowering	To 1. Farmer's practice To 2. Co(TH) 3 To 3. Arka Samrat	5
5	Coconut	Assessment of suitable vegetable crops for Intercropping System in Coconut Garden of Tirunelveli District	Low income up to 3 years of plantation Under – utilization of inter space in the existing coconut garden. Problem of management of weeds in the coconut garden	To 1. Farmer's practice To 2. Existing coconut garden + Veg. Cowpea PKM 1 To 3. Existing coconut garden + Bhendi Co (BH) 4	5
6	Onion	Assessment of Bellary onion varieties suitable for Tirunelveli district	Susceptible to thrips & purple blotch Poor bulb formation Low yield	To 1. Farmer's practice To 2. Arkakalyan To 3. Bhima super	5

7	French Beans	Assessment of French Beans Varieties (Bush Type) suitable for Tirunelveli district	Higher cost of construction of bower for the cultivation of pandal type French Beans Unawareness on cultivating bush type varieties	To 1. Farmer's practice To 2. Arka Arjun To 3. Arka Sharath	5
8	Dairy	Assessment of suitable infertility treatment in dairy animals of Tirunelveli district	Infertility of unknown origin. Poor estrus detection and poor conception rate. Fixed timed A.I is not possible. Long calving interval leads to higher production cost	To 1. Farmer's practice To 2. CIDR for Progesterone To 3. ProSync-NC Progesterone	5
9	Small ruminant	Assessment of Ethno Veterinary treatment for control of Endo parasites in Small ruminant	Resistance over mass deworming Not calculating refugia (Host/Environmental) Identification of new drug targets	To 1. Farmer's practice To 2. Herbal dewormer To 3. EVM for deworming	5