

## DISTRICT WISE TECHNOLOGY MATRIX – THIRUVALLUR

### New TNAU technologies for demonstration / assessment

S.No.	Crop	Varieties	Technology	Implements/Machinery
<b>Agricultural Crops</b>				
1.	Rice	CORH 3 (D) , ADT (R) 47 (D), CO (R) 48 (D)	<ul style="list-style-type: none"> <li>Direct seeding of rainfed rice using seed cum fertilizer seed drill (D)</li> <li>Modified rice mat nursery for early transplantation under modified SRI method of cultivation (D)</li> <li>Leaf colour chart (LCC) based nitrogen management in transplanted and direct (drum) seeded wetland rice (D)</li> <li>Site specific nutrient management (SSNM) for intensively irrigated rice (D)</li> </ul>	<ul style="list-style-type: none"> <li>Seed cum fertilizer drill for paddy (D)</li> <li>Two row finger type paddy rotary weeder (D)</li> <li>Mini combine harvester for paddy (D)</li> <li>Power tiller operated air assisted seed drill (D)</li> </ul>
2.	Maize	COH (M) 5 (D)		
3.	Cumbu	CO (Cu) 9 (D)		
4.	Ragi	CO (Ra) 14 (D)		
5.	Black gram	VBN (Bg) 4 (D), VBN (Bg) 5 (D)	<ul style="list-style-type: none"> <li><i>Trichoderma viride</i> for the management of root rot in pulses and cotton (D)</li> <li>IPM module for black gram (D)</li> </ul>	
6.	Red gram	VBN (Rg) 3 (D)		
7.	Green gram	CO (Gg) 7 (D)		
8.	Fodder Cowpea	CO (FC) 8 (D)		
9.	Avarai	CO (Gb) 14 (A)		
10.	Groundnut	TMV (Gn) 13 (D), VRI (Gn) 6 (D)		<ul style="list-style-type: none"> <li>Power tiller operated groundnut harvester (D)</li> <li>Impact type groundnut stripper (D)</li> </ul>
11.	Sunflower	CO (SFV) 5 (D)		
12.	Sugarcane	COC (SC) 22 (D), COC (SC) 23 (D)	<ul style="list-style-type: none"> <li>Drip fertigation for yield maximization in sugar crop (D)</li> <li>New biofertilizer for sugarcane : TNAU biofert 1 (D)</li> <li>Pit method of sugarcane planting under drip fertigation system (D)</li> </ul>	<ul style="list-style-type: none"> <li>Tractor operated pit digger for sugarcane planting (D)</li> <li>Sugarcane sett cutter (D)</li> <li>Sugarcane detrasher (D)</li> </ul>
<b>Horticultural Crops</b>				
1.	Banana		<ul style="list-style-type: none"> <li>Affordable micro irrigation system (D)</li> </ul>	<ul style="list-style-type: none"> <li>Banana clump remover (D)</li> </ul>

2.	Oyster mushroom	CO(OM)2 (D)		
S.No.	<b>Crop</b>	<b>Varieties</b>	<b>Technology</b>	Implements/Machinery
3.	Coconut			• <b>Coconut tree climber</b> (D)
4.	Curry leaf			• <b>Micro sprinkler for curry leaf</b> (A)
Miscellaneous				
			<ul style="list-style-type: none"> <li>• <b>Control of perennial weeds- <i>Cynodan</i> and <i>Cyprus</i></b> (D)</li> <li>• <b>Precision support system for integrated fertilizer recommendation (DSSIFER)</b> (D)</li> <li>• <b>Interactive visual diagnostic kit (VDK) for nutrient deficiency in crop plant</b> (D)</li> <li>• <b>TNAU vermi biocompost</b> (D)</li> <li>• <b>Soil test based IPNS for vegetable crops</b> (D)</li> <li>• <b>KKM-1 botanical insecticide (<i>Acorus calamus</i>)</b> (D)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Technology for extrusion cooking of finger millets</b> (D)</li> <li>• <b>Two in one model trap for pulse beetle monitoring in storage</b> (D)</li> <li>• <b>Foot wear operated manual sprayer</b> (D)</li> <li>• <b>Subsoiler attachment for stump removal</b> (D)</li> <li>• <b>Power tiller operated slasher cum <i>in situ</i> shredder</b> (D)</li> </ul>

**A- Assessment      D- Demonstration**