

## DISTRICT WISE TECHNOLOGY MATRIX – VELLORE

### New TNAU technologies for demonstration / assessment

S.No.	Crop	Varieties	Technology	Implements/Machinery
Agricultural Crops				
1.	Rice	CORH 3 (D) , ADT (R) 47 (D), CO (R) 48 (D)	<ul style="list-style-type: none"> <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> <li>• Intercropping and <i>in situ</i> incorporation of green manures in direct seeded rice (A)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Two row finger type paddy rotary weeder</b> (D)</li> <li>• <b>Mini combine harvester for paddy</b> (D)</li> </ul>
2.	Wheat	COW (W) 1 (A)		
3.	Maize	COH (M) 5 (D)		
4.	Cumbu	CO (Cu) 9 (D)		
5.	Ragi	CO (Ra) 14 (D)		
6.	Tenai	CO (Te) 7 (D)		
7.	Samai	CO (Samai) 4 (D)		
8.	Panivaragu	CO (PV) 5 (A)		
9.	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>	
10.	Red gram	VBN (Rg) 3 (D)	<ul style="list-style-type: none"> <li>• IPM for pigeon pea pod borer complex (D)</li> </ul>	
11.	Green gram	CO (Gg) 7 (D)		
12.	Fodder Cowpea	CO (FC) 8 (D)		
13.	Avarai	CO (Gb) 14 (A)		
14.	Groundnut	TMV (Gn) 13 (D), VRI (Gn) 6 (D)	<ul style="list-style-type: none"> <li>• Polyethylene film mulch for irrigated groundnut (D)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Power tiller operated groundnut harvester</b> (D)</li> <li>• <b>Impact type groundnut stripper</b> (D)</li> </ul>
15.	Sunflower	CO (SFV) 5 (D)		
16.	Sesamum	VRI (Sv) 2 (D)		

17.	Cotton			<ul style="list-style-type: none"> <li>• Cotton stalk puller (D)</li> <li>•</li> </ul>
S.No.	<b>Crop</b>	<b>Varieties</b>	<b>Technology</b>	Implements/Machinery
18.	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 sugar cane planting (D)</li> <li>• Sugarcane sett cutter (D)</li> <li>• Sugarcane detrasher (D)</li> </ul>
Horticultural Crops				
1.	Guava	TRY (G) 1 (A)		
2.	Tomato	COLCRH 3 (A)	<ul style="list-style-type: none"> <li>• Shade net cultivation with fertigation in tomato (A)</li> </ul>	
3.	Chilli	KKM (Ch) 1 (A)	<ul style="list-style-type: none"> <li>• Shade net technology for sweet pepper and paprika (A)</li> </ul>	
4.	Bhendi	COBhH 1 (D)		
5.	White long snake gourd	PLR (SG) 1 (D)		
6.	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>
7.	Chrysanthemum		<ul style="list-style-type: none"> <li>• Protected cultivation techniques for cut chrysanthemum (A)</li> </ul>	
8.	Oyster mushroom	CO(OM)2 (D)		
9.	Coconut			<ul style="list-style-type: none"> <li>• Coconut tree climber (D)</li> </ul>
Miscellaneous				
			<ul style="list-style-type: none"> <li>• Control of perennial weeds- <i>Cynodan</i> and <i>Cyprus</i> (D)</li> <li>• Precision support system for integrated fertilizer recommendation (DSSIFER) (D)</li> <li>• Interactive visual diagnostic kit (VDK) for nutrient deficiency in crop plant (D)</li> <li>• TNAU vermi biocompost (D)</li> <li>• Botanical formulation “ilamathi” for higher silk yield (A)</li> <li>• Soil test based IPNS for vegetable crops (D)</li> <li>• Biological suppression of mulberry leaf webber, <i>Diaphania pulvevulentalis</i> (A)</li> <li>• KKM-1 botanical insecticide (<i>Acorus calamus</i>) (D)</li> </ul>	<ul style="list-style-type: none"> <li>• Technology for extrusion cooking of finger millets (D)</li> <li>• Power tiller operated air assisted seed drill (D)</li> <li>• Two in one model trap for pulse beetle monitoring in storage (D)</li> <li>• Foot wear operated manual sprayer (D)</li> <li>• Subsoiler attachment for stump removal (D)</li> </ul>

**A- Assessment**

**D- Demonstration**