

## DISTRICT WISE TECHNOLOGY MATRIX – MADURAI

### New TNAU technologies for demonstration / assessment

S.No.	Crop	Varieties	Technology	Implements/Machinery
<b>Agricultural Crops</b>				
1.	Rice	CORH 3 <b>(D)</b> , ADT (R) 47 <b>(A)</b> , CO (R) 48 <b>(D)</b>	<ul style="list-style-type: none"> <li>Modified rice mat nursery for early transplantation <b>(D)</b></li> <li>Leaf colour chart (LCC) based nitrogen management in transplanted and direct (drum) seeded wetland rice <b>(D)</b></li> <li>Site specific nutrient management (SSNM) for intensively irrigated rice <b>(D)</b></li> </ul>	<ul style="list-style-type: none"> <li>Improved direct paddy seeder <b>(A)</b></li> <li>Two row finger type paddy rotary weeder <b>(D)</b></li> <li>Mini combine harvester for paddy <b>(D)</b></li> </ul>
2.	Maize	COH(M) 5 <b>(D)</b>		
3.	Cumbu	CO (Cu) 9 <b>(D)</b>		
4.	Ragi	CO (Ra) 14 <b>(D)</b>		
5.	Tennai	CO (Te) 7 <b>(A)</b>		
6.	Black gram	VBN (Bg) 4 <b>(D)</b> , VBN (Bg) 5 <b>(D)</b>	<ul style="list-style-type: none"> <li><i>Trichoderma viride</i> for the management of root rot in pulses and cotton <b>(D)</b></li> <li>IPM module for black gram <b>(D)</b></li> </ul>	
7.	Red gram	CO (RG) 7 <b>(D)</b> , VBN (Rg) 3 <b>(D)</b>	<ul style="list-style-type: none"> <li>IPM for pigeon pea pod borer complex <b>(D)</b></li> </ul>	
8.	Green gram	CO (Gg) 7 <b>(D)</b>		
9.	Fodder cowpea	Co (FC) 8 <b>(D)</b>		
10.	Groundnut	TMV (Gn) 13 <b>(D)</b> , VRI (Gn) 6 <b>(D)</b>	<ul style="list-style-type: none"> <li>Polyethylene film mulch for irrigated groundnut <b>(D)</b></li> </ul>	<ul style="list-style-type: none"> <li>Power tiller operated groundnut harvester</li> <li>Impact type groundnut stripper</li> </ul>
11.	Sunflower	CO (SFV) 5 <b>(D)</b>		
12.	Sugarcane	COC (SC) 22 <b>(D)</b> , CO Si (SC) 6 <b>(D)</b> , COC (SC) 23 <b>(D)</b>	<ul style="list-style-type: none"> <li>Drip fertigation for yield maximization in sugar crop <b>(D)</b></li> <li>New biofertilizer for sugarcane : TNAU biofert 1 <b>(D)</b></li> <li>Pit method of sugarcane planting under drip fertigation system <b>(D)</b></li> </ul>	<ul style="list-style-type: none"> <li>Tractor operated pit digger for sugar cane planting <b>(D)</b></li> <li>Sugarcane sett cutter <b>(D)</b></li> <li>Sugarcane detrasher <b>(D)</b></li> </ul>

S.No.	Crop	Varieties	Technology	Implements/Machinery
<b>Horticultural Crops</b>				
1.	Sapota	PKM (Sa) 4 <b>(D)</b>		
2.	Banana		<ul style="list-style-type: none"> <li>• High density planting in banana <b>(D)</b></li> <li>• Fertigation technology for increased productivity in banana <b>(D)</b></li> <li>• Affordable micro irrigation system <b>(D)</b></li> </ul>	<ul style="list-style-type: none"> <li>• Banana clump remover <b>(D)</b></li> </ul>
3.	Guava	TRY (G) 1 <b>(D)</b>		
4.	Tomato	COLCRH 3 <b>(D)</b>		
5.	Bhendi	COBhH 1 <b>(D)</b>		
6.	Chilli		<ul style="list-style-type: none"> <li>• Shade net technology for sweet pepper and paprika <b>(A)</b></li> </ul>	
7.	White long snake gourd	PLR (SG) 1 <b>(A)</b>		
8.	Coconut		<ul style="list-style-type: none"> <li>• Coconut tonic <b>(D)</b></li> </ul>	<ul style="list-style-type: none"> <li>• Coconut tree climber <b>(D)</b></li> </ul>
9.	Chrysanthemum		<ul style="list-style-type: none"> <li>• Protected cultivation techniques for cut chrysanthemum <b>(D)</b></li> </ul>	
10.	Oyster mushroom	CO(OM)2 <b>(D)</b>		<ul style="list-style-type: none"> <li>• Fluidised bed dryer for mushroom</li> </ul>
11.	Betel vine	SGM (BV) 2 <b>(D)</b>		
<b>Miscellaneous</b>				
			<ul style="list-style-type: none"> <li>• Control of perennial weeds- <i>Cynodan</i> and <i>Cyprus</i> <b>(D)</b></li> <li>• Precision support system for integrated fertilizer recommendation (DSSIFER) <b>(D)</b></li> <li>• Interactive visual diagnostic kit (VDK) for nutrient deficiency in crop plant <b>(D)</b></li> <li>• TNAU vermi biocompost <b>(D)</b></li> <li>• Botanical formulation “ilamathi” for higher silk yield <b>(D)</b></li> <li>• Soil test based IPNS for vegetable crops <b>(D)</b></li> <li>• KKM-1 botanical insecticide (<i>Acorus calamus</i>) <b>(D)</b></li> <li>• Ill filled paddy as a substance for mushroom spawn product <b>(D)</b></li> <li>• Aonla based mouth refreshner <b>(D)</b></li> </ul>	<ul style="list-style-type: none"> <li>• Technology for extrusion cooking of finger millets <b>(D)</b></li> <li>• Power tiller operated air assisted seed drill <b>(D)</b></li> <li>• Two in one model trap for pulse beetle monitoring in storage <b>(D)</b></li> <li>• Foot wear operated manual sprayer <b>(D)</b></li> <li>• Subsoiler attachment for stump removal <b>(D)</b></li> <li>• Hand operated aonla seed remover <b>(D)</b></li> <li>• Power tiller operated slasher cum <i>in situ</i> shredder <b>(D)</b></li> </ul>

**A- Assessment**

**D- Demonstration**