

**DISTRICT WISE TECHNOLOGY MATRIX – THENI**  
**New TNAU technologies for demonstration / assessment**

S.N o.	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><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 <b>(A)</b>		
3.	Maize	COH(M) 5 <b>(D)</b>		
4.	Cumbu	CO (Cu) 9 <b>(D)</b>		
5.	Ragi	CO (Ra) 14 <b>(D)</b>		
6.	Samai	CO (Samai) 4 <b>(D)</b>		
7.	Panivaragu	CO (PV) 1 <b>(A)</b>		
8.	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> </ul>	
9.	Red gram	CO (RG) 7 <b>(D)</b> , VBN (Rg) 3 <b>(A)</b>	<ul style="list-style-type: none"> <li>IPM for pigeon pea pod borer complex <b>(D)</b></li> </ul>	
10.	Greengram	CO (Gg) 7 <b>(D)</b>		
11.	Fodder cowpea	Co (FC) 8 <b>(A)</b>		
12.	Sunflower	CO (SFV) 5 <b>(D)</b>		
13.	Cotton	MCU 13 <b>(D)</b>		<ul style="list-style-type: none"> <li><b>Cotton stalk puller</b> (D)</li> </ul>
14.	Sugarcane	COC (SC) 22 <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><b>Tractor operated pit digger for sugar cane planting</b> (D)</li> <li><b>Sugarcane sett cutter</b> (D)</li> <li><b>Sugarcane detrasher</b> (D)</li> </ul>
<b>Horticultural Crops</b>				
1.	Sapota	PKM (Sa) 4 <b>(D)</b> , PKM (Sa) 5 <b>(D)</b>		
2.	Guava	TRY (G) 1 <b>(D)</b>		
3.	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><b>Banana clump remover</b> (D)</li> </ul>

4.	Chilli		<ul style="list-style-type: none"> <li>• Shade net technology for sweet pepper and paprika (D)</li> </ul>	
S.No.	<b>Crop</b>	<b>Varieties</b>	<b>Technology</b>	Implements/Machinery
5.	Tomato	COLCRH 3 (D)	<ul style="list-style-type: none"> <li>• Production practices for cultivation of capsicum and tomato in polyhouse (A)</li> <li>• Shade net cultivation with fertigation in tomato (D)</li> </ul>	
6.	White long snake gourd	PLR (SG) 1 (A)		
7.	Curry leaf		<ul style="list-style-type: none"> <li>• Micro sprinkler irrigation for curry leaf (D)</li> </ul>	
8.	Coconut		<ul style="list-style-type: none"> <li>• Coconut tonic (D)</li> </ul>	<ul style="list-style-type: none"> <li>• Coconut tree climber (D)</li> </ul>
	Chrysanthemum		<ul style="list-style-type: none"> <li>• Protected cultivation techniques for cut chrysanthemum (D)</li> </ul>	
9.	Oyster mushroom	CO(OM)2 (D)		
10.	Cinnamon	PPI (Ci) 1 (A)		
11.	Betel vine	SGM (BV) 2 (A)		
12.	Pepper			<ul style="list-style-type: none"> <li>• Mechanical thresher for pepper (D)</li> <li>• Hand operated thresher for pepper (A)</li> <li>• Peeler cum washer for production of white pepper (D)</li> <li>• Hand operated rotary type cleaner cum grader for pepper and cardamom</li> </ul>
13.	Cardamom			<ul style="list-style-type: none"> <li>• Hand operated rotary type garbling unit for cardamom</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 (D)</li> <li>• Soil test based ipns for vegetable crops (D)</li> <li>• Biological suppression of mulberry leaf webber, <i>Diaphania pulvevulentalis</i> (D)</li> <li>• KKM-1 botanical insecticide (<i>Acorus calamus</i>) (D)</li> <li>• Management of club root-root knot nematode complex disease in cabbage and cauliflower using <i>Pseudomonas fluorescens</i> (Pf 1) and <i>Trichoderma viride</i> (TvMVT 7) (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> <li>• Pilot plant for bio diesel (A)</li> <li>• Hand operated aonla seed remover (D)</li> <li>• Power tiller operated slasher cum <i>in situ</i> shredder (D)</li> </ul>

			<ul style="list-style-type: none"><li>• <b>Aonla based mouth refreshner</b> (D)</li><li>• <b>Protein enriched spicy mango bar</b> (A)</li><li>• <b>Value added cabbage</b> (D)</li></ul>	
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A- Assessment

D- Demonstration