

## DISTRICT WISE TECHNOLOGY MATRIX – DINDIGUL

### 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>• Modified rice mat nursery for early transplantation (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>• <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.	Tennai	CO (Te) 7 (A)		
7.	Samai	CO (Samai) 4 (D)		
8.	Panivaragu	CO (PV) 1 (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	CO (RG) 7 (D), 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.	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></li> <li>• <b>Impact type groundnut stripper</b></li> </ul>
14.	Sunflower	CO (SFV) 5 (D)		
15.	Cotton	MCU 13 (A)		<ul style="list-style-type: none"> <li>• <b>Cotton stalk puller</b> (D)</li> </ul>
16.	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>• <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 (D), PKM (Sa) 5 (D)		

2.	Guava	TRY (G) 1 (D)		
S.No.	<b>Crop</b>	<b>Varieties</b>	<b>Technology</b>	Implements/Machinery
3.	Jack	PLR (J) 2 (A)		
4.	Banana		<ul style="list-style-type: none"> <li>• High density planting in banana (D)</li> <li>• Fertigation technology for increased productivity in banana (D)</li> <li>• Affordable micro irrigation system (D)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Banana clump remover</b> (D)</li> </ul>
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.	Chilli		<ul style="list-style-type: none"> <li>• Shade net technology for sweet pepper and paprika (D)</li> </ul>	
7.	White long snake gourd	PLR (SG) 1 (A)		
8.	New Zealand spinach	Ooty (Sp) 1 (A)		
9.	Curry leaf		<ul style="list-style-type: none"> <li>• Micro sprinkler irrigation for curry leaf (D)</li> </ul>	
10.	Coconut		<ul style="list-style-type: none"> <li>• Coconut tonic (D)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Coconut tree climber</b> (D)</li> </ul>
11.	Chrysanthemum		<ul style="list-style-type: none"> <li>• Protected cultivation techniques for cut chrysanthemum (D)</li> </ul>	
12.	Oyster mushroom	CO(OM)2 (D)		
13.	Cinnamon	PPI (Ci) 1 (A)		
14.	Betel vine	SGM (BV) 2 (D)		
15.	Thyme	Ooty (Tv) 1 (A)		
16.	Pepper			<ul style="list-style-type: none"> <li>• <b>Mechanical thresher for pepper</b> (D)</li> <li>• <b>Hand operated thresher for pepper</b> (D)</li> <li>• <b>Peeler cum washer for production of white pepper</b> (D)</li> <li>• <b>Hand operated rotary type cleaner cum grader for pepper and cardamom</b></li> </ul>
17.	Cardamom			<ul style="list-style-type: none"> <li>• <b>Hand operated rotary type garbling unit for cardamom</b></li> </ul>
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> </ul>	<ul style="list-style-type: none"> <li>• <b>Technology for extrusion cooking of finger millets</b> (D)</li> <li>• <b>Power tiller operated air assisted seed drill</b> (D)</li> <li>• <b>Two in one model trap for pulse beetle monitoring in storage</b> (D)</li> </ul>

		<ul style="list-style-type: none"> <li>• <b>TNAU vermi biocompost</b> (D)</li> <li>• <b>Botanical formulation “ilamathi” for higher silk yield</b> (D)</li> <li>• <b>Sequential cropping system of vegetable cowpea and cassava for better returns</b> (A)</li> <li>• <b>Soil test based IPNS for vegetable crops</b> (D)</li> <li>• <b>Biodynamic organic farming system for hill crops under the Nilgiri eco system</b> (A)</li> <li>• <b>KKM-1 botanical insecticide (<i>Acorus calamus</i>)</b> (D)</li> <li>• <b>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)</b> (D)</li> <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>	<ul style="list-style-type: none"> <li>• <b>Foot wear operated manual sprayer</b> (D)</li> <li>• <b>Subsoiler attachment for stump removal</b> (D)</li> <li>• <b>Pilot plant for bio diesel</b> (A)</li> <li>• <b>Hand operated aonla seed remover</b> (D)</li> <li>• <b>Power tiller operated slasher cum <i>in situ</i> shredder</b> (D)</li> </ul>
--	--	--	---

**A- Assessment**

**D- Demonstration**