

## DISTRICT WISE TECHNOLOGY MATRIX – TRICHY

### 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 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><b>Two row finger type paddy rotary weeder</b> (D)</li> <li><b>Mini combine harvester for paddy</b> (D)</li> </ul>
2.	Maize	COH (M) 5 (D)		
3.	Cumbu	CO (Cu) 9 (D)		
4.	Ragi	CO (Ra) 14 (D)		
5.	Samai	CO (Samai) 4 (D)		
6.	Black gram	VBN (Bg) 4 (D), VBN (Bg) 5 (D)	<ul style="list-style-type: none"> <li>Potassium application to increase the productivity of pulses (D)</li> <li><i>Trichoderma viride</i> for the management of root rot in pulses and cotton (D)</li> <li>IPM module for black gram</li> </ul>	
7.	Red gram	CO (RG) 7 (A), VBN (Rg) 3 (D)	<ul style="list-style-type: none"> <li>IPM for pigeon pea pod borer complex</li> </ul>	
8.	Green gram	CO (Gg) 7 (D)		
9.	Fodder Cowpea	CO (FC) 8 (D)		
10.	Soyabean	CO (Soy) 3 (A)		
11.	Avarai	CO (Gb) 14 (A)		
12.	Groundnut	TMV (Gn) 13 (D), VRI (Gn) 6 (D)		<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>
13.	Sunflower	CO (SFV) 5 (D)		
14.	Sesamum	VRI (Sv) 2 (D)		
15.	Sugarcane	COC (SC) 22 (D), CO Si (SC) 6 (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> </ul>	<ul style="list-style-type: none"> <li><b>Tractor operated pit digger for sugar cane planting</b> (D)</li> </ul>

S.No.	Crop	Varieties	Technology	Implements/Machinery
			<ul style="list-style-type: none"> <li>• Pit method of sugarcane planting under drip fertigation system (D)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Sugarcane sett cutter</b> (D)</li> <li>• <b>Sugarcane detrasher</b> (D)</li> </ul>
<b>16.</b>	Cotton	KC 3 (D)		<ul style="list-style-type: none"> <li>• <b>Cotton stalk puller</b> (D)</li> </ul>
Horticultural Crops				
<b>1.</b>	Guava	TRY (G) 1 (D)		
<b>2.</b>	Tomato	COLCRH 3 (D)		
<b>3.</b>	Chilli	KKM (Ch)13 (A)		
<b>4.</b>	Bhendi	COBhH 1 (D)		
<b>5.</b>	Oyster mushroom	CO(OM)2 (D)	<ul style="list-style-type: none"> <li>• Ill filled paddy as a substance for mushroom spawn product (D)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Fluidised bed dryer for mushroom</b> (D)</li> </ul>
<b>6.</b>	Betelvine	SGM (BV) 2 (D)		
<b>7.</b>	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> (A)</li> </ul>
<b>8.</b>	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>
<b>9.</b>	Turmeric			<ul style="list-style-type: none"> <li>• <b>Improved turmeric boiler</b> (A)</li> </ul>
<b>10.</b>	Oil palm			<ul style="list-style-type: none"> <li>• <b>Oil palm harvesting tool</b> (D)</li> </ul>
Miscellaneous				
			<ul style="list-style-type: none"> <li>• <b>Mass multiplication of bamboos</b> (A)</li> <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>Validation of rice IPM module in the Cauvery delta zone</b> (D)</li> <li>• <b>Post emergence management of parasitic weed <i>Striga asiatica</i> in sugarcane</b> (D)</li> <li>• <b>KKM-1 botanical insecticide (<i>Acorus calamus</i>)</b> (D)</li> <li>• <b>Aonla based mouth freshener</b> (A)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Power tiller operated air assisted seed drill</b> (D)</li> <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**