

## DISTRICT WISE TECHNOLOGY MATRIX – DHARMAPURI

### New TNAU technologies for demonstration / assessment

S.No.	Crop	Varieties	Technology	Implements/Machinery
<b>Agricultural Crops</b>				
1.	Rice	CO (R) 48 <b>(D)</b>	<ul style="list-style-type: none"> <li>Modified rice mat nursery for early transplantation <b>(D)</b></li> </ul>	<ul style="list-style-type: none"> <li>Two row finger type paddy rotary weeder <b>(D)</b></li> <li>Mini combine harvester for paddy <b>(D)</b></li> </ul>
2.	Wheat	COW (W) 1 <b>(D)</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.	Tenai	CO (Te) 7 <b>(D)</b>		
7.	Samai	CO (Samai) 4 <b>(D)</b>		
8.	Panivaragu	CO (PV) 5 <b>(A)</b>		
9.	Black gram	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>	
10.	Fodder cowpea	CO (FC) 8 <b>(D)</b>		
11.	Avarai	CO (Gb) 14 <b>(D)</b>		
12.	Sunflower	CO (SFV) 5 <b>(D)</b>		
13.	Cotton	MCU 13 <b>(D)</b>		<ul style="list-style-type: none"> <li>Cotton stalk puller <b>(D)</b></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>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>
<b>Horticultural Crops</b>				
1.	Guava	TRY (G) 1 <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.	Tomato	COLCRH 3 (D)	<ul style="list-style-type: none"> <li>• Production practices for cultivation of capsicum and tomato in polyhouse (D)</li> <li>• Shade net cultivation with fertigation in tomato (A)</li> </ul>	
4.	Chilli		<ul style="list-style-type: none"> <li>• Shade net technology for sweet pepper and paprika (D)</li> </ul>	
<b>S.No.</b>	<b>Crop</b>	<b>Varieties</b>	<b>Technology</b>	<b>Implements/Machinery</b>
5.	Bhendi	COBhH 1 (D)		
6.	Tapioca	CTCRI CO (Tp) 5 (A)	<ul style="list-style-type: none"> <li>• Sequential cropping system of vegetable cowpea and cassava for better returns (D)</li> </ul>	<ul style="list-style-type: none"> <li>• Tractor drawn tapioca harvester (D)</li> <li>• 10 m<sup>3</sup> high rate reactor for cassava starch factory effluents (sago effluents) (D)</li> </ul>
7.	Curry leaf		<ul style="list-style-type: none"> <li>• Micro sprinkler irrigation for curry leaf (D)</li> </ul>	
	Chrysanthemum		<ul style="list-style-type: none"> <li>• Protected cultivation techniques for cut chrysanthemum (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>
9.	Oyster mushroom	CO (OM)2 (D)		
<b>Miscellaneous</b>				
			<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>• 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> <li>• Biological suppression of mulberry leaf webber, <i>Diaphania pulvevulentalis</i> (D)</li> <li>• Protein enriched spicy mango bar (D)</li> <li>• Value added cabbage (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>• A subsoiler attachment for stump removal (D)</li> <li>• Power tiller operated slasher cum <i>in situ</i> shredder (D)</li> <li>• Improved turmeric boiler (A)</li> </ul>

**A- Assessment      D- Demonstration**

