

## DISTRICT WISE TECHNOLOGY MATRIX – KRISHNAGIRI

### New TNAU technologies for demonstration / assessment

| S.No.                      | Crop       | Varieties                 | Technology  | Implements/Machinery  |
|----------------------------|------------|---------------------------|---|---|
| <b>Agricultural Crops</b>  |            |                           |   |   |
| 1.                         | Rice       | CORH 3 (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> </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.                         |            |                           |   |   |
| 6.                         | Samai      | CO (Samai) 4 (D)          |   |   |
| 7.                         |            |                           |   |   |
| 8.                         | Black gram | 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> </ul>   |   |
| 9.                         | Avarai     | CO (Gb) 14 (D)            |   |   |
| 10.                        | Sunflower  | CO (SFV) 5 (D)            |   |   |
| 11.                        | Cotton     | MCU 13 (D)                |   | <ul style="list-style-type: none"> <li><b>Cotton stalk puller</b> (D)</li> </ul>  |
| 12.                        | Sugarcane  | COC (SC) 22 (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 sugarcane 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.                         | Guava      | TRY (G) 1                 |   |   |
| 2.                         | 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>   |
| 3.                         | Tomato     |                           | <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          |                  | • Shade net technology for sweet pepper and paprika (D)      |  |
| 5.    | Tapioca         |                  |  | • <b>Tractor drawn tapioca harvester</b> (D) |
| S.No. | <b>Crop</b>     | <b>Varieties</b> | <b>Technology</b>  | Implements/Machinery                         |
| 6.    | Curry leaf      |                  | • Micro sprinkler irrigation for curry leaf (D)              |  |
| 7.    | Coconut         |                  | • Coconut tonic (D)  | • <b>Coconut tree climber</b> (D)            |
| 8.    | Chrysanthemum   |                  | • Protected cultivation techniques for cut chrysanthemum (D) |  |
| 9.    | Oyster mushroom | CO(OM)2 (D)      |  |  |

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> <li>• <b>TNAU vermi biocompost</b> (D)</li> <li>• <b>Botanical formulation “ilamathi” for higher silk yield</b> (D)</li> <li>• <b>Soil test based ipns for vegetable crops</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>Protein enriched spicy mango bar</b> (D)</li> <li>• <b>Value added cabbage</b> (D)</li> </ul> | <ul style="list-style-type: none"> <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>A subsoiler attachment for stump removal</b> (D)</li> <li>• <b>Power tiller operated slasher cum <i>in situ</i> shredder</b> (D)</li> <li>• <b>Improved turmeric boiler</b> (A)</li> </ul> |
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**A- Assessment      D- Demonstration**