

## DISTRICT WISE TECHNOLOGY MATRIX – RAMANATHAPURAM

### New TNAU technologies for demonstration / assessment

| S.No.                      | Crop          | Varieties                                      | Technology                                                                                                                                                                                                                                                                                                                                                             | Implements/Machinery                                                                                                                                                                                          |
|----------------------------|---------------|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Agricultural Crops</b>  |               |                                                |                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                               |
| 1.                         | Rice          | PMK (R) 3 <b>(D)</b> ,<br>RMD (R) 1 <b>(D)</b> | <ul style="list-style-type: none"> <li>Direct seeding of rainfed rice using seed cum fertilizer seed drill <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>Intercropping and <i>in situ</i> incorporation of green manures in direct seeded rice <b>(D)</b></li> </ul> | <ul style="list-style-type: none"> <li>Improved direct paddy seeder <b>(D)</b></li> <li>Two row finger type paddy rotary weeder <b>(D)</b></li> <li>Seed cum fertilizer drill for paddy <b>(D)</b></li> </ul> |
| 2.                         | Maize         | COH(M) 5 <b>(D)</b>                            |                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                               |
| 3.                         | Cumbu         | CO (Cu) 9 <b>(D)</b>                           |                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                               |
| 4.                         | Ragi          | CO (Ra) 14 <b>(A)</b>                          |                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                               |
| 5.                         | Black gram    | VBN (Bg) 5 <b>(A)</b>                          | <ul style="list-style-type: none"> <li>Potassium application to increase the productivity of pulses <b>(D)</b></li> <li><i>Trichoderma viride</i> for the management of root rot in pulses and cotton <b>(D)</b></li> </ul>                                                                                                                                            |                                                                                                                                                                                                               |
| 6.                         | Red gram      | VBN (Rg) 3 <b>(D)</b>                          |                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                               |
| 7.                         | Green gram    | CO (Gg) 7 <b>(A)</b>                           |                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                               |
| 8.                         | Fodder Cowpea | CO (FC) 8 <b>(A)</b>                           |                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                               |
| 9.                         | Groundnut     | TMV (Gn) 13 <b>(D)</b>                         |                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                               |
| 10.                        | Sunflower     | CO (SFV) 5 <b>(D)</b>                          |                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                               |
| 11.                        | Cotton        | KC 3 <b>(A)</b>                                |                                                                                                                                                                                                                                                                                                                                                                        | <ul style="list-style-type: none"> <li>Cotton stalk puller <b>(D)</b></li> </ul>                                                                                                                              |
| 12.                        | Sugarcane     | COC (SC) 23 <b>(D)</b>                         | <ul style="list-style-type: none"> <li>Drip fertigation for yield maximization in sugar crop <b>(A)</b></li> <li>New biofertilizer for sugarcane : TNAU biofert 1 <b>(A)</b></li> </ul>                                                                                                                                                                                |                                                                                                                                                                                                               |
| <b>Horticultural Crops</b> |               |                                                |                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                               |
| 1.                         | Custard Apple | APK (Ca) 1 <b>(D)</b>                          |                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                               |

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| 2.                   | Chilli          | KKM (Ch) 1 (D)   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                            |
| <b>S.No.</b>         | <b>Crop</b>     | <b>Varieties</b> | <b>Technology</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Implements/Machinery</b>                                                                                                                                                                                                                                                                                                                                |
| 3.                   | Banana          |                  | • Affordable micro irrigation system (D)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                            |
| 4.                   | Bhendi          | COBhH 1 (D)      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                            |
| 5.                   | Coconut         |                  | • Coconut tonic (D)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | • Coconut tree climber (D)                                                                                                                                                                                                                                                                                                                                 |
| 6.                   | Oyster mushroom | CO(OM)2 (D)      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                            |
| <b>Miscellaneous</b> |                 |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                            |
|                      |                 |                  | <ul style="list-style-type: none"> <li>• Adoptable srivilliputtur IPM module (ASIPM) for summer irrigated and rice fallow cotton (D)</li> <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>• Soil test based IPNS for vegetable crops (D)</li> <li>• KKM-1 botanical insecticide (<i>Acorus calamus</i>) (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> </ul> |

**A- Assessment      D- Demonstration**