Agromet Advisory Service Bulletin for Thane District

(Issued jointly by IAAS, Dr. B.S. KonkanKrishiVidyapeeth, & Regional India Meteorological Department, Mumbai)

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Significant past weather for the preceding week
(Period –20/01/2017 to 24/01/2017)

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Day–1</th>
<th>Day–2</th>
<th>Day–3</th>
<th>Day–4</th>
<th>Day–5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rainfall (mm)</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Total Rainfall (mm)</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Maximum temperature (°C)</td>
<td>31</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>31</td>
</tr>
<tr>
<td>Minimum temperature (°C)</td>
<td>19</td>
<td>19</td>
<td>18</td>
<td>18</td>
<td>18</td>
</tr>
<tr>
<td>Total cloud cover (Octa)</td>
<td>53</td>
<td>51</td>
<td>53</td>
<td>40</td>
<td>48</td>
</tr>
<tr>
<td>Relative Humidity Max. (%)</td>
<td>27</td>
<td>26</td>
<td>31</td>
<td>29</td>
<td>25</td>
</tr>
<tr>
<td>Relative Humidity Min. (%)</td>
<td>004</td>
<td>004</td>
<td>007</td>
<td>007</td>
<td>006</td>
</tr>
<tr>
<td>Wind Speed (Km/hr)</td>
<td>004</td>
<td>004</td>
<td>007</td>
<td>007</td>
<td>006</td>
</tr>
</tbody>
</table>

Weather forecast until 08.30 hrs of 29/01/2017

Sky will be slightly cloudy on 27th to 29th January, 2017. Wind velocity range from 4 to 7 kmph on 25th to 29th January, 2017.

Crop Stage

- **Sapota**
  - Vegetative Stage
  - If immature fruit drops of sapota are observed spray combined fungicides of (Metalxyl-M 8% + Mancozeb 64%) @ 0.2% i.e. 20 g per 10 lit. of water on whole plant canopy.

- **Coconut, Arecanut**
  - Spraying the FYM pits with 0.2 % Carbaryl for control of adults and grubs of rhinoceros beetle.
  - To control red palm weevil affected coconut, fill the holes made by RPW with 10 per cent Carbaryl dust and sand mixture. Prepare a slanting hole with the help of screw drill about 1 m height from ground level on tree trunk and pour about 20 ml of 36 % Monocrotophos or 20% Chlorpyriphos + 20 ml water with the help of plastic funnel in the hole and close the hole with the help of cement.
  - Prepare water channels to drain out excess water from coconut and arecanut garden during rainy season.

- **Vegetable**
  - Vegetative Stage
  - If incidence of hopper, aphids and thrips is observed in rabi vegetable nursery viz., brinjal, tomato, cabbage, chilli, knol knol etc., spray Malathion @ 20 ml or Dimethoate @ 12 ml per 10 liter of water.
  - If 5 to 6 weeks completed after sowing of brinjal and chill crops then seedling are ready for transplanting. At the time of transplanting the seedlings may be deep in Dimethoate @ 10 ml/10 lit. of water and transplanted on ridges of main field with spacing of 60 x 60 cm.

- **Watermelon Cultivation**
  - In watermelon crop if symptoms of wilting is observed then drenching of carbandazim @ 1 gm. per lit. of water per vine.
  - Apply straw mulch or polythene mulch for water melon crops.

- **Goats/ Milch animals**
  - Provide clean and hygienic drinking water and nutritious fodder and concentrates to farm animal.
  - Planting of binneal forage crops like Paragrass, Napier, Gajraj etc is advocated.
  - Protect the animals/poultry birds from low temperature by providing curtains and electric bulbs as per the need.

- **Suggestion**
  - Contact nearby SAU Scientists or State Agril. Dept. for detail control measures against incidence of pest and diseases under adverse weather conditions.