No. 01/2018  
Date: 02/01/2018  
Duration – 5 days

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 –29/12/2017 to 02/01/2018)

Weather forecast until 08.30 hrs of 07/01/2018

<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>Total Rainfall (mm) (last year)</td>
<td>0</td>
<td>0</td>
<td>0</td>
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</tr>
<tr>
<td>Maximum temperature (°C)</td>
<td>32</td>
<td>33</td>
<td>33</td>
<td>31</td>
<td>31</td>
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<tr>
<td>Minimum temperature (°C)</td>
<td>15</td>
<td>15</td>
<td>15</td>
<td>14</td>
<td>15</td>
</tr>
<tr>
<td>Total cloud cover (Octa)</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Relative Humidity Max. (%)</td>
<td>59</td>
<td>58</td>
<td>6</td>
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<tr>
<td>Relative Humidity Min. (%)</td>
<td>16</td>
<td>17</td>
<td>19</td>
<td>20</td>
<td>14</td>
</tr>
<tr>
<td>Wind Speed (Km/hr)</td>
<td>005</td>
<td>003</td>
<td>003</td>
<td>003</td>
<td>003</td>
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<tr>
<td>Wind Direction</td>
<td>84</td>
<td>63</td>
<td>99</td>
<td>95</td>
<td>129</td>
</tr>
</tbody>
</table>

Sky will be slightly cloudy from 5th and 6th January, 2017. Wind velocity range from 3 to 5 kmph from 3rd to 7th January, 2017.

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Groundnut/  
Mustard  
Emergence Stage  
- For cultivation of rabi groundnut preliminary operation should be carried out. Deep ploughing and addition of 10 to 15 tonnes of FYM/Compost in groundnut field. Use of 125 to 150 kg seed for sowing. Use TG-26, TAG-24, TPG-41, Konkan Gaurav, Konkan Tapora any one variety for sowing.
- Weather is suitable for sowing of 'Mustard'. Sowing of seed of variety 'Pusa bold' and 'Varuna' at the spacing 45cm x 10 cm is advocated. Apply 1 kg urea and 3 kg SSP per A area before sowing of seed.

Sapota  
Fruiting Stage  
- If unmature 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.
- It is a possibility for incidence of sapota seed borer, spray deltamethrin 2.8% E.C. @ 10 ml per 10 liter of water alongwith sticker. (The insecticide are not under label claim).
- Some parts in the district the sapota fruits are mature size stage, harvest the mature fruits before 10 hours in the morning and after 16 hours in the evening with the help on Atul Sapota harvester.

Coconut,  
Areacanut  
- For control of adults and grubs of rhinoceros beetle. dust the FYM pits with 2 % Methyl parathion powder after every 2 month interval.
- To control red palm weevil affected coconut, 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 with the help of plastic funnel in the hole and close the hole with the help of cement.

Vegetable  
crop and  
watermelon  
- For control of bacterial wilt of chilli, brinjal and tomato seedling, spray Copper Oxychloride @ 20 to 25 g/lit of water on seedbed after sowing of seeds. Also apply Carbarly or Lindane powder on side of seedbed to control against ant.
- There is possibility for incidence of powdery mildew, spray Hexaconazole 5% EC 5 ml or Sulphur 80% WP @ 20 g per 10 lit. of waters.
- For cultivation of watermelon ploughing and cloud crushing of land and furrow be prepared at 4 m length 90 cm apart the both side of furrow prepared 30 x 30 x30 cm size pit, apply 1 to 1.5 kg FYM + 10 gm Carbaryl (10%) Powder, mix thoroughly with soil, sowing of 3 to 4 seeds at the depth of 2 to 2.5 cm, thinning after 15 days emergence of seedling keep only 2 seedlings per pit. The 50 kg N + 50 kg P2O5 and 50 kg K2O per ha was required. The 1/3rd dose of N and full dose of P2O5 and K2O be applied at the time of sowing and remaining N be apply 1 and 2 months after sowing at equal quantity.

Goats/ Milch  
animals  
- Provide clean and hygienic drinking water and nutritious fodder and concentrates to farm animal.
- 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.