**Agromet Advisory Service Bulletin for Ratnagiri District**

(Issued jointly by GKMS, Dr. B.S. Konkan Krishi Vidyapeeth, & Regional India Meteorological Department, Mumbai)

(02358) 282387

No. 20/2020 Date: 09/03/2020 Duration – 5 days

Dr. Prashant Bodake,  
Head,  
Department of Agronomy  
9420413255

Dr. Vijay More,  
Nodal Officer,  
Department of Agronomy  
9422374001

Dr. Shital Yadav,  
Technical Officer,  
Department of Agronomy  
8379901160

**Significant past weather for the preceding week (Period –03/03/2020 to 09/03/2020)**

<table>
<thead>
<tr>
<th>03/03</th>
<th>04/03</th>
<th>05/03</th>
<th>06/03</th>
<th>07/03</th>
<th>08/03</th>
<th>09/03</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rainfall (mm)</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Maximum temperature (°C)</td>
<td>32.5</td>
<td>30.1</td>
<td>29.8</td>
<td>30.0</td>
<td>30.0</td>
<td>30.2</td>
</tr>
<tr>
<td>Minimum temperature (°C)</td>
<td>14.0</td>
<td>14.5</td>
<td>15.0</td>
<td>16.0</td>
<td>13.0</td>
<td>14.0</td>
</tr>
<tr>
<td>Cloud cover (Octa)</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>90</td>
<td>91</td>
</tr>
<tr>
<td>Relative Humidity Max. (%)</td>
<td>96</td>
<td>89</td>
<td>88</td>
<td>88</td>
<td>88</td>
<td>88</td>
</tr>
<tr>
<td>Relative Humidity Min. (%)</td>
<td>37</td>
<td>37</td>
<td>37</td>
<td>37</td>
<td>37</td>
<td>37</td>
</tr>
<tr>
<td>Wind speed (Km/hr)</td>
<td>3.6</td>
<td>3.6</td>
<td>3.6</td>
<td>3.6</td>
<td>4.0</td>
<td>4.2</td>
</tr>
<tr>
<td>Wind direction</td>
<td>Calm</td>
<td>Calm</td>
<td>Calm</td>
<td>Calm</td>
<td>Calm</td>
<td>Calm</td>
</tr>
</tbody>
</table>

**Weather Parameters**

- **10/03**: 0.0 0 0 0 0 0
- **11/03**: 0.0 0 0 0 0 0
- **12/03**: 32.5 30.8 29.8 29.0 30.0 30.2
- **13/03**: 14.0 14.5 15.0 16.0 13.0 14.0
- **14/03**: 0.0 0 0 0 0 0

**Weather forecast until 08.30 hrs of 14/03/2020**

- **Rainfall (mm)**: 32.5 30.8 29.8 29.0 30.0 30.0 30.2
- **Maximum temperature (°C)**: 31 30 30 30 30 30 30
- **Minimum temperature (°C)**: 14.0 14.5 14.5 17.0 16.0 13.0 14.0
- **Relative Humidity Max. (%)**: 69 85 74 73 71 71 71
- **Relative Humidity Min. (%)**: 37 34 39 30 34 34 34
- **Wind speed (Km/hr)**: 5 7 7 6 7 7 7
- **Wind direction**: SSE SSE ENE ENE SE SE SE

**Significant past weather for the preceding week**

**Weather Parameters**

- Rainfall (mm) in last week: 0.0 0.0 5.130
- Rainfall (mm) from 01/01/2020 to till dated: 0.0
- Total Rainfall (mm) in last year: 30.9

**Crop** | **Stage** | **Agro Advise**
--- | --- | ---
**Groundnut** | Pod development stage | - There is possibility of incidence of aphids and jassids on groundnut, if incidence is noticed spray Imidacloprid 17.8% SL @ 2.5 ml per 10 liter of water.
- Provide irrigation to groundnut crop at 7-8 days interval.

**Mango** | Fruiting | - To minimize the pre-mature fruit drop of mango, apply 150 to 200 liter of water per tree after fruit setting (pea size) at 15 days interval for 3 to 4 times also use straw mulch to reduce evaporation losses.
- To improve production and quality of mango fruits, spray 1% Potassium nitrate at pea, marble and egg fruit stages.
- The pre-harvest bagging with newspaper bag of size 25 X 20 cm at marble to egg stage as per recommendation of D.B.S.K.K.V. helps to reduce the fruit drop, increases the fruit weight, pulp weight, produce spongy tissue free fruit, controls attack of fruit fly on fruits and produces spotless fruits of mango.
- Spraying of 55% cow urine at pea size fruits of mango 3 to 6 sprays at weekly interval as per availability is suggested for increasing yield.

**Cashewnut** | Flowering to fruiting | - There is possibility of incidence of tea mosquito bug and thrips on new vegetative flush of cashewnut, to protect the flush of cashew spray Monocrotophos 36%SL @ 15 ml or Lambda cyhalothrin 5% EC @ 6 ml per 10 liter of water.
- To improve fruit setting and production of cashewnut, spray 10 ppm Ethrel as a plant growth regulator at flowering stage. If possible Provide irrigation to cashewnut plant from flowering to fruiting stage.
- Spraying of 25% cow urine @ 5 liter per plant and drenching of 10 liter of 25% cow urine per cashewnut tree is suggested for increasing yield and size of nuts.
- If nuts are ready for harvesting, harvest the matured nuts and sun dry for 7 to 8 days to bring down moisture content and then stored in dry places.
- Spraying of 25% cow urine @ 5 liter per plant and drenching of 10 liter of 25% cow urine per cashewnut tree is suggested for increasing yield and size of nuts.
- If nuts are ready for harvesting, harvest the matured nuts and sun dry for 7 to 8 days to bring down moisture content and then stored in dry places.
- Provide irrigation to coconut orchard at 5-6 days interval also use straw mulch to reduce evaporation losses.

**Coconut** | -- | - There is possibility of incidence of black headed caterpillar in coconut orchard in coastal areas. The caterpillar feeds on leaves results into dried up patches on leaf. For control of black headed cater piller, collect and destroy all infected leaves and spray dimethoate 30%EC @16 ml per 10 liter of water or release larval parasitoid Goniozus nephantidis adult @ 3500 nos per hectare.
- Provide irrigation to coconut orchard at 5-6 days interval also use straw mulch to reduce evaporation losses.

**Sapota** | Flowering to fruiting | - Provide irrigation to sapota orchard at 5-6 days interval. also use straw mulch to reduce evaporation losses.
- There is possibility for incidence of budworm on sapota, if incidence is noticed spray any one of the insecticide viz., Emamectin benzoate 5% SG @ 4.5 gm or Deltamehtrin 2.8% EC @ 10 ml or Lambda cyhalothrin 5%EC @ 10 ml or Profenophos 40% EC @ 10 ml per 10 liter of water. Install blue light trap in orchard for monitoring insect.

**Brinjal** | Flowering to fruiting | - Provide irrigation to vegetable crops at 6-7 days interval. Also earthing up of soil to give

**Agro-met Advisory**

Sky remain clear from 10th to 14th March, 2020.
<table>
<thead>
<tr>
<th>Tomato, Chilli</th>
<th>Watermelon</th>
<th>Flowering to fruiting</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td>• Provide irrigation to watermelon crops at 3-4 days interval regularly as to protect fruits from cracking.</td>
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<td></td>
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<td>• Cover the watermelon fruits with paddy straw or grasses to protect fruits from sunlight.</td>
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</tbody>
</table>

This Agro Advisory Bulletin (AAB) is prepared and published with the consultation and recommendation of SMS committees of “Gramin Krishi Mausam Sewa (GKMS)” Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli. For more information contact nearby SAU research station or Agriculture officers of Agriculture Department, Maharashtra state.