



# AGROMET ADVISORY SERVICE BULLETIN FOR RAIGAD DISTRICT

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



Ph.No. : (02358) 282387

Email : dpl.amfu@gmail.com

No. 32/2021

Date: 20/04/2021

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<br>(Period –14/04/2021 to 20/04/2021) |       |       |       |  |       |       | Weather<br>Parameters | Weather forecast until 08.30 hrs of<br>25/04/2021   |       |       |       |       |
|---|-------|-------|-------|--|-------|-------|-----------------------|---|-------|-------|-------|-------|
| (Source: Agromet observatory, RARS, Karjat)   |       |       |       |  |       |       |                       | (Source: Regional Meteorological<br>Centre, Mumbai) |       |       |       |       |
| 14/04   | 15/04 | 16/04 | 17/04 | 18/04  | 19/04 | 20/04 |                       | 21/04   | 22/04 | 23/04 | 24/04 | 25/04 |
| -   | -     | -     | -     | -  | -     | -     | Rainfall (mm)         | 0   | 0     | 0     | 0     | 0     |
| -   | -     | -     | -     | -  | -     | -     | Max.Temp. (°C)        | 35  | 36    | 36    | 37    | 37    |
| -   | -     | -     | -     | -  | -     | -     | Min.Temp. (°C)        | 24  | 25    | 25    | 25    | 25    |
| -   | -     | -     | -     | -  | -     | -     | Cloud cover (Octa)    | 3   | 3     | 5     | 4     | 4     |
| -   | -     | -     | -     | -  | -     | -     | Max. RH (%)           | 70  | 73    | 71    | 76    | 75    |
| -   | -     | -     | -     | -  | -     | -     | Min. RH (%)           | 60  | 58    | 55    | 56    | 55    |
| -   | -     | -     | -     | -  | -     | -     | Wind speed(Km/hr)     | 4   | 6     | 6     | 5     | 4     |
| -   | -     | -     | -     | -  | -     | -     | Wind direction        | S   | SSE   | SE    | SSE   | SSW   |
| <b>Rainfall (mm) in last week</b>   |       |       |       | <b>Rainfall (mm) from 01/01/2021 to till dated</b> |       |       |                       | <b>Total Rainfall (mm) in last year</b>             |       |       |       |       |
| 0.0   |       |       |       | 0.0  |       |       |                       | 3090.6  |       |       |       |       |

### Weather summary/alert

|                         |   |
|-------------------------|---|
| <b>Weather forecast</b> | <b>As per the forecast received from Regional Meteorological Centre Mumbai, there is possibility of dry weather with gradual rise in maximum and minimum temperature from 21<sup>st</sup> to 25<sup>th</sup> April, 2021 and sky remains cloudy over Raigad district.</b> |
| <b>ERFS</b>             | <b>As per ERFS products normal rainfall, above normal maximum temperature and normal to below normal minimum temperature may occur in Konkani division during subsequent one-week 23<sup>rd</sup> to 29<sup>th</sup> April, 2021.</b>                                     |

### Agromet advisory based on weather forecast

| Crop                    | Stage    | Agro advisory   |
|-------------------------|----------|---|
| <b>General advisory</b> | -        | <ul style="list-style-type: none"> <li>In case of manual field operations of harvesting/ picking, accomplish the operation in 4-6 feet spaced strips assigning one strip to one person. This will ensure adequate spacing between the engaged labour.</li> <li>All the persons engaged should use masks and ensure hand washing with soap at reasonable intervals.</li> <li>Maintain safe distance of 4-6 feet during rest, taking of meals, transfer of produce at collection point, loading/unloading.</li> <li>In hotspot areas of Covid-19, it is advise to sanitized the all machineries at the entry point and at regular interval.</li> <li>While carrying out field operations related to nutrient sprays and crop protection adequate precautions in handling of inputs, mixing, delivery and washing of equipment is to be undertaken.</li> <li>Follow the standard safety measures during the visit to market for the purchase of inputs/sale of produce.</li> </ul> |
| <b>SMS</b>              | -        | <ul style="list-style-type: none"> <li>Carry out harvesting of matured mango fruits during morning or in the evening hours and immediately keep the harvested fruits in shade to prevent spongy tissue development.</li> </ul>  |
| <b>Mango</b>            | Fruiting | <ul style="list-style-type: none"> <li>Harvest the matured mango fruits in the morning and in the evening with the help on mango harvester at 80 to 85% maturity. Keep the harvested fruits in shade to prevent spongy tissue disease and from heat. withhold irrigation one month before fruit are ready for harvesting. Do not spray any insecticides/fungicides 8 days before harvesting of mango fruits.</li> </ul>   |

|  |                            |   |
|--|----------------------------|---|
|  |                            | <ul style="list-style-type: none"> <li>• To prevent incidence of post-harvest diseases fruit rot on fruits, place the fruits in hot water of 52°C for 10 minutes and then keep for ripening. Use C.F.B. (corrugated fiber box) for packing. Transport of harvested fruits should be done preferably during night hours.</li> <li>• Due to forecast for cloudy weather, there is possibility for incidence of fruit fly on mango fruits. Collect and destroy all fallen fruits and install “Rakshak fruit fly trap” developed by University @ 2 traps per acre.</li> <li>• 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 protect the fruits from sun scorching, reduce fruit drop, increases the fruit weight, pulp weight, controls attack of fruit fly on fruits and produces spotless fruits of mango. Care should be taken that avoid injury to fruit stalk while bagging fruits with paper bag.</li> <li>• Provide irrigation to newly planted mango orchard @ 30 liters of water twice in week (1 years old), twice in 15 days interval (2 years old) and twice in month (3 years old). also use straw mulch.</li> </ul> |
| <b>Cashewnut</b>   | Fruiting                   | <ul style="list-style-type: none"> <li>• Due to forecast for increase in temperature, provide irrigation to newly planted cashew orchard @ 15 liters of water once in week. also use straw or polythene mulch in cashew orchard to reduce evaporation losses.</li> </ul>  |
| <b>Coconut</b>   | Fruiting                   | <ul style="list-style-type: none"> <li>• For new plantation of coconut, select the fertile, well drain soil.</li> <li>• For control of eriophyid mite on coconut, neem-based insecticide Azadirachtin 5% @ 7.5 ml be mixed in equal quantity of water apply through root feeding three times in year (during month of October-November, January to February and April to May). Harvesting is avoided at least 45 days after treatment. In addition to this, spray Azadirachtin 10000 PPM 1% @4 ml per liter of water on bunch of nuts. Collect and destroy all infected inflorescence and nuts before spraying.</li> <li>• Due to forecast for increase in temperature, decrease in humidity, provide irrigation to first four years old coconut orchard at 4 to 5 days interval Provide shed to newly planted coconut orchard</li> </ul>   |
| <b>Arecanut</b>  | Fruiting                   | <ul style="list-style-type: none"> <li>• Due to forecast for increase in temperature, provide irrigation to arecanut orchard at 4-5 days interval.</li> <li>• Provide shed to newly planted arecanut orchard.</li> </ul>  |
| <b>Summer rice</b>   | Flowering to grain filling | <ul style="list-style-type: none"> <li>• Maintain optimum water level of 5cm in rice field where crop is in flowering to grain filling stage.</li> </ul>  |
| <b>White Onion</b>   | Maturity                   | <ul style="list-style-type: none"> <li>• Carry out harvesting of bulb when 60 to 75 % top (foliage) become yellow and begin to fall over.</li> </ul>  |
| <b>Turmeric</b>  | Land preparation           | <ul style="list-style-type: none"> <li>• For cultivation of turmeric, perform the deep ploughing operation to exposed the hibernate pupae or egg stages of insect and disease spores.</li> </ul>  |
| <b>Vegetable crops</b>   | Fruiting                   | <ul style="list-style-type: none"> <li>• Due to forecast for increase in temperature, provide irrigation to vegetable crop at 4-5 days interval.</li> </ul>   |
| <b>Soil testing</b>  | --                         | <ul style="list-style-type: none"> <li>• Perform soil testing immediately after harvest of kharif crop or in month of April-May once in 3-4 years or at every year, where 2 to 3 crops are cultivated in a year. For seasonal crops soil at 20-25 cm depth and for fruit crop, soil from 60 cms depth should be taken.</li> </ul>   |
| <b>Animal husbandry</b>  | --                         | <ul style="list-style-type: none"> <li>• There is possibility of increase in temperature hence Provide clean, hygienic and plenty amount of drinking water to farm animals</li> <li>• To protect animals from heat, sprinkle cold water on animals during the afternoon, it will help to maintain the body temperature.</li> <li>• To reduce the stress of heat in farm animals, provide roughages by mixing with solution of 1% gaggery and 0.5% salt separately.</li> <li>• Vaccination against Black Quarter disease in farm animals under supervision of veterinary officers is advocated.</li> </ul>   |
| <b>Poultry</b>   | -                          | <ul style="list-style-type: none"> <li>• There is possibility of increase in temperature, hence in poultry shed, increase the water pot and provide adequate and clean water for drinking.</li> <li>• Vaccination against Ranikhet disease in poultry birds under the supervision of veterinary officer is advocated.</li> </ul>  |
| <p>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.</p> |                            |   |

For more information contact nearby SAU research station or Agriculture officers of Agriculture Department,  
Maharashtra state.