



# AGROMET ADVISORY SERVICE BULLETIN FOR THANE DISTRICT

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



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No. 32/2021

Date: 20/04/2021

Duration – 5 days

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Significant past weather for the preceding week (Period –14/04/2021 to 20/04/2021)							Weather Parameters	Weather forecast until 08.30 hrs of 25/04/2021				
(Source: Agromet observatory, T.B.I.A., Thane)								(Source: Regional Meteorological 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
0.0	0.0	0.0	0.0	0.0	-	-	Rainfall (mm)	0	0	0	0	0
35.0	34.0	-	34.0	34.2	-	-	Max.Temp. (°C)	35	36	36	36	36
22.2	21.0	22.0	21.0	20.2	-	-	Min.Temp. (°C)	20	21	21	22	22
2	4	0	0	0	-	-	Cloud cover (Octa)	3	3	4	5	5
70	72	71	63	62	-	-	Max. RH (%)	73	64	63	70	66
52	41	-	44	40	-	-	Min. RH (%)	60	58	55	56	55
3.7	0.0	3.7	1.9	0.0	-	-	Wind speed(Km/hr)	4	4	4	5	4
SW	Calm	SW	SW	Calm	-	-	Wind direction	SW	SSW	ESE	S	S

### Weather summary/alert

<b>Weather forecast</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 Thane district.
<b>ERFS</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.

### 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>For cultivation of crops during kharif season, perform the deep ploughing operation to exposed the hibernate pupae or egg stages of insect and disease spores.</li> </ul>
<b>Mango</b>	Fruiting	<ul style="list-style-type: none"> <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</li> </ul>

		<p>fruits of mango. Care should be taken that avoid injury to fruit stalk while bagging fruits with paper bag.</p> <ul style="list-style-type: none"> <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>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>Sapota</b>	Fruiting	<ul style="list-style-type: none"> <li>• Due to forecast for increase in temperature, provide irrigation to sapota orchard at 4-5 days interval. Provide shed to newly planted sapota orchard. also use straw mulch to reduce evaporation losses.</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. For more information contact nearby SAU research station or Agriculture officers of Agriculture Department, Maharashtra state.</p>		