



# AGROMET ADVISORY SERVICE BULLETIN FOR THANE DISTRICT

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



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Duration – 5 days

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Significant past weather for the preceding week (Period –01/05/2021 to 07/05/2021)							Weather Parameters	Weather forecast until 08.30 hrs of 12/05/2021				
(Source: Agromet observatory, T.B.I.A., Thane)								(Source: Regional Meteorological Centre, Mumbai)				
01/05	02/05	03/05	04/05	05/05	06/05	07/05		08/05	09/05	10/05	11/05	12/05
0.0	0.0	0.0	-	0.0	0.0	-	Rainfall (mm)	0	0	0	0	0
34.2	34.0	34.6	-	33.6	34.0	-	Max.Temp. (°C)	35	34	34	34	34
22.2	21.0	20.2	-	-	21.2	-	Min.Temp. (°C)	22	21	21	21	21
2	4	2	-	0	0	-	Cloud cover (Octa)	1	1	1	1	3
53	55	70	-	-	71	-	Max. RH (%)	64	69	69	69	70
53	42	44	-	46	42	-	Min. RH (%)	44	48	43	44	48
0.0	3.7	3.7	-	3.7	0.0	-	Wind speed(Km/hr)	4	4	6	7	7
Calm	S	SE	-	W	Calm	-	Wind direction	WNW	WSW	WNW	WNW	WNW

### Weather summary/alert

<b>Weather forecast</b>	As per the forecast received from Regional Meteorological Centre Mumbai, there is possibility no large change in maximum and minimum temperature and sky remains clear from 8 <sup>th</sup> to 12 <sup>th</sup> May, 2021 over Thane district.
<b>Warning</b>	Thunderstorm along with lightening and rainfall and gusty winds reaching 30-40 kmph likely to occur on 7 <sup>th</sup> May, 2021 at isolated places over Thane district.
<b>ERFS</b>	As per ERFS products, rainfall, maximum and minimum temperature remains normal in Konkani division during 12 <sup>th</sup> to 18 <sup>th</sup> May, 2021.

### Agromet advisory based on weather forecast

Crop	Stage	Agro advisory
<b>General advisory</b>	-	<ul style="list-style-type: none"> <li>There is possibility of wild fire due to increase in heat during summer months, it is advise to provide irrigation immediately to mango and cashewnut orchards affected by wild fire till initiation of new vegetative flush. Detop tall trees (25 to30ft) upto half the height, otherwise detop upto 8 feet to reduce the load of branches. apply bavistin 5 gm by mixing with 1 liter of coal tar to the cut portion of branches. Spray all affected mango and cashewnut tree with Chlorpyrifos 20%EC @ 20ml per 10 liter of water to protect from stem borer. Apply white wash by preparing solution of 1 kg lime + 150 gms copper sulphate to protect tree from sunrays,</li> </ul>
<b>SMS</b>	-	<ul style="list-style-type: none"> <li>Due to forecast of thunderstorm along with lighting and rain and gusty winds at isolated places over district on 7<sup>th</sup> May, 2021, keep farm animals at safe place and away from open water, pond or river. Also harvest and stored the matured pulse crop at protective and safe place. Provide staking to newly planted fruit crops orchard.</li> </ul>
<b>Mango</b>	Fruiting	<ul style="list-style-type: none"> <li>Harvest the matured mango fruits at 80 to 85% maturity in the morning or evening hours during clear weather (no rainfall) and keep the harvested fruits in shade to prevent spongy tissue disease and from heat.</li> <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>There is possibility for incidence of fruit fly on mango fruits. Collect and</li> </ul>

		destroy all fallen fruits and install “Rakshak fruit fly trap” developed by University @ 2 traps per acre.
<b>Sapota</b>	Flowering	<ul style="list-style-type: none"> <li>• There is possibility for incidence of budworm on sapota, install blue light trap in orchard for monitoring insect. If incidence is noticed spray any one of the insecticides viz., Emamectin benzoate 5% SG @ 4.5 gm or Deltamethrin 2.8% EC @ 10 ml or Lambda cyhalothrin 5%EC @ 10 ml or Profenophos 40% EC @ 10 ml per 10 liter of water at an interval of 1 month. Install blue light trap in orchard for monitoring insect.</li> <li>• For new plantation of sapota, clean the field and dig the pits of size 1 X 1 X 1 m at a spacing of 10 X 10 m. Re-filled the pits with mixture of soil, 3 to 4 basket of well decomposed FYM and 2.5 kg of single super phosphate.</li> </ul>
<b>Coconut</b>	Fruiting	<ul style="list-style-type: none"> <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> </ul>
<b>Kharif rice</b>	Land preparation	<ul style="list-style-type: none"> <li>• Procure the rice seed as per requirement for kharif season.</li> <li>• Early rice varieties Ratnagiri-1, Karjat-3 for bold seeded, Ratnagiri-5, Ratnagiri-24, Phondaghat-1, Karjat-7, hybrid Sahyadri-2 and Sahyadri-4 for fine seeded and Karjat-4 is for very fine seeded, mid-late rice varieties Ratnagiri-7, Karjat -5 for bold seeded, Ratnagiri-4, Ratnagiri-6, Palghar-1, Palghar-2, Karjat-6, Karjat-9, hybrid Sahyadri, Sahyadri-3 for fine seeded and late rice varieties Ratnagiri-2, Ratnagiri-3 for bold seeded, Karijat-2, Karjat-8, Karjat-10, hybrid Sahyadri-5 for fine seeded, and Panvel-1, Panvel-2 and Panvel-3 for Kharlands categories are recommended by Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli for cultivation in Konkan region during Kharif.</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>		