



**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 –15/01/2022 to 21/01/2022) | | | | | | | Weather Parameters | Weather forecast until 08.30 hrs of 26/01/2022 | | | | |
|---|-------|-------|-------|-------|-------|-------|-----------------------|---|-------|-------|-------|-------|
| (Source: Surface observatory, T.B.I.A., Thane) | | | | | | | | (Source: Regional Meteorological Centre, Mumbai) | | | | |
| 15/01 | 16/01 | 17/01 | 18/01 | 19/01 | 20/01 | 21/01 | | 22/01 | 23/01 | 24/01 | 25/01 | 26/01 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | Rainfall (mm) | 0 | 3 | 0 | 0 | 0 |
| 30.0 | 30.0 | - | 31.0 | 32.0 | 32.2 | - | Max.Temp. (°C) | 31 | 28 | 27 | 27 | 30 |
| - | 18.0 | 18.2 | 19.0 | 21.0 | 19.2 | - | Min.Temp. (°C) | 19 | 18 | 16 | 17 | 18 |
| 0 | 0 | 0 | 0 | 0 | 0 | - | Cloud cover (Octa) | 2 | 4 | 1 | 0 | 0 |
| - | 89 | 88 | 74 | 61 | 79 | - | Max. RH (%) | 89 | 90 | 89 | 87 | 83 |
| 52 | 64 | - | 70 | 48 | 50 | - | Min. RH (%) | 75 | 70 | 69 | 69 | 65 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | Wind speed(Km/hr) | 4 | 10 | 5 | 8 | 8 |
| Calm | Calm | Calm | Calm | Calm | Calm | - | Wind direction | SSW | W | ENE | NE | NE |

Weather summary/alert

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| Weather forecast | As per RMC Mumbai forecast, there is possibility for cloudy weather with light rainfall at isolated places on 22 nd to 23 rd January,2022 and gradual fall in maximum and minimum temp expected from 22 nd January,2022 over Thane district. |
| ERFS | As per ERFS products, dry weather with normal maximum & minimum temperature expected during 26 th January to 1 st February,2022 over Konkani division. |

Agromet advisory based on weather forecast

| Crop | Stage | Agro advisory |
|-------------------------|-------------------------------------|--|
| General advisory | -- | <ul style="list-style-type: none"> Avoid spraying during flowering to fruit setting period in Mango for effective pollination. If it is not possible to postpone the spraying till fruit set due to heavy incidence of insect and pest, then avoid spraying during morning hours (09.00 am to 12.00 pm) which is active period of pollinators for pollination.) |
| SMS advisory | -- | <ul style="list-style-type: none"> Protect the poultry birds from low temperature by providing curtains and electric bulbs during night time. |
| Rabi Summer rice | Seedling | <ul style="list-style-type: none"> Prepare field for rice transplanting by puddling. At the time of puddling apply 870 gms urea, 3130 gms single super phosphate and 840 gms muriate of potash per guntha. Transplant the rice seedlings of 35 to 40 days old with 5 to 6 leaves with height of 12 to 15 cm. Transplant 3 rice seedling per hill at a spacing of 20 x 15 cm. Maintain optimum water level of 2.5- 5 cm upto 30 days after transplanting. Apply 1 kg urea per guntha to rice nursery at 15 DAS. |
| Mango | Inflorescence to mustard size fruit | <ul style="list-style-type: none"> Due to forecast for cloudy rainy weather, there is possibility for anthracnose and powdery mildew disease on mango inflorescence, if rainfall realized, then for protection against powdery mildew disease, spray Hexaconazole 5% SC @ 5 ml per 10 liter of water and for control of anthracnose disease, spray Carbendazim 12% + Mancozeb 63% @ 10 g per 10 liter of water. There is possibility incidence of hoppers, midge fly on mango inflorescence. For management of pest, spray of Imidacloprid 17.8% SL @ 6 ml or Buprofezin 25%SC@ 20 ml per 10 liter of water during clear weather. To protect the mustard size fruits of mango from hoppers as per blossom |

| | | |
|---|------------------------|--|
| | | <p>protection schedule for mango crop, take a fourth spray of Thiomethoxam 25%WG @ 1 gm per 10 liter of water. (Note: avoid spraying during flowering to fruit setting period for effective pollination. If it is not possible to postpone the spraying till fruit set due to heavy incidence of insect and pest, then avoid spraying during morning hours (09.00 am to 12.00 pm) which is active period of pollinators for pollination.)</p> <ul style="list-style-type: none"> • Fall in minimum temp. favors recurrent flowering from mango which is in fruit setting stage, to avoid recurrent flowering, spray gibberellin acid 50 PPM (1 gms/20 lit of water) at time of fully open flower and mustard size fruit stage. Before spraying ensure that a tree has a sufficient flowering. |
| Sapota | Fruiting | <ul style="list-style-type: none"> • Due to forecast light rainfall at isolate places on 22nd and 23rd January 2022, if rainfall realize, then collect and destroy all fallen fruits to avoid infestation of insect pest on sapota. |
| Brinjal | Vegetative to fruiting | <ul style="list-style-type: none"> • There is possibility for incidence of bacterial or fungal wilt disease in brinjal. For management of bacterial wilt, collected and destroy infected plant. Follow crop rotation with crop other than solanaceous family. Use resistant varieties. for fungal wilt disease management drench the Trichoderma solution @ 5 gms per liter of water. |
| Goat farming | - | <ul style="list-style-type: none"> • Protect the Goats kids from low temperature by providing electric bulbs during night time. |
| Poultry | - | <ul style="list-style-type: none"> • Protect the poultry birds from low temperature by providing curtains and electric bulbs during night time. |
| <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, Krishi Vigyan Kendra or Agriculture officers of Agriculture Department, Maharashtra state.</p> | | |