



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 –28/04/2021 to 04/05/2021)							Weather Parameters	Weather forecast until 08.30 hrs of 09/05/2021				
(Source: Agromet observatory, T.B.I.A., Thane)								(Source: Regional Meteorological Centre, Mumbai)				
28/04	29/04	30/04	01/05	02/05	03/05	04/05		05/05	06/05	07/05	08/05	09/05
0.0	0.0	0.0	0.0	0.0	-	-	Rainfall (mm)	0	0	2	0	3
33.0	34.2	34.2	34.2	34.0	-	-	Max.Temp. (°C)	34	34	34	34	34
23.0	23.2	-	22.2	21.0	-	-	Min.Temp. (°C)	21	22	22	23	23
4	0	0	2	4	-	-	Cloud cover (Octa)	0	0	1	1	2
65	69	-	53	55	-	-	Max. RH (%)	75	70	75	76	78
53	61	40	53	42	-	-	Min. RH (%)	43	45	48	48	49
0.0	3.7	0.0	0.0	3.7	-	-	Wind speed(Km/hr)	5	5	4	5	5
Calm	SE	Calm	Calm	S	-	-	Wind direction	WSW	WSW	WNW	NW	WNW

Weather summary/alert

Weather forecast	As per the forecast received from Regional Meteorological Centre Mumbai, there is possibility of very light rainfall from 7th to 9th May, 2021 with gradual rise in minimum temperature and sky remains clear over Thane district.
ERFS	As per ERFS products, above normal rainfall and normal maximum and minimum temperature may occur in Konkani division during 9th to 15th May, 2021.

Agromet advisory based on weather forecast

Crop	Stage	Agro advisory
General advisory	-	<ul style="list-style-type: none"> 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 to 30ft) 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,
SMS	-	<ul style="list-style-type: none"> 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
Mango	Fruiting	<ul style="list-style-type: none"> There is forecast for very light rainfall from 5th to 9th May 2021, 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. 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. 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. To protect the Mango tree from increasing temperature, apply bordopaste to the base of stem.

Sapota	Flowering	<ul style="list-style-type: none"> • 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.
Kharif rice	Land preparation	<ul style="list-style-type: none"> • Start the land preparation operation for kharif season and expose soil to sun which will help in controlling weeds effectively. • Procure the rice seed as per requirement for kharif season. • 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.
Jasmine	Flowering	<ul style="list-style-type: none"> • There is possibility of incidence of bud worm, mites and blossom midge on jasmine. If incidence is notices, collect and destroy all infected leaves and flower bud and spray 5% neem seed kernel extract on the plant.
<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>		