



Agromet Advisory Service Bulletin for Thane and Palghar District
(Issued jointly by IAAS, Dr. B.S. Konkan Krishi Vidyapeeth,
& Regional India Meteorological Department, Mumbai)
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Duration – 5 days

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Significant past weather for the preceding week (Period –20/04/2019 to 26/04/2019)							Weather Parameters	Weather forecast until 08.30 hrs of 01/05/2019				
20/04	21/04	22/04	23/04	24/04	25/04	26/04		27/04	28/04	29/04	30/04	01/05
0.0	0.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
32.0	34.6	31.0	33.0	32.0	34.0	31.0	Maximum temperature (°C)	42	43	43	42	40
21.0	23.6	21.0	24.0	24.0	24.0	24.0	Minimum temperature (°C)	26	27	28	26	25
0	0	0	0	0	0	0	Cloud cover (Octa)	1	3	3	1	3
70	88	87	88	70	88	81	Relative Humidity Max. (%)	42	42	45	61	74
51	51	52	59	62	53	-	Relative Humidity Min. (%)	18	16	15	23	33
5.2	3.5	3.0	4.9	3.7	3.6	3.1	Wind speed (Km/hr)	4	4	5	7	5
NNW	NNW	E	E	WSW	W	E	Wind direction	170	209	212	188	203
Rainfall (mm) in last week							Rainfall (mm) from 01/01/2019 to till dated	Total Rainfall (mm) in last year				
0.0							0.0	2359.6				

Agro-met Advisory

There will be increase in maximum and minimum temperature, from 27th April to 1st may, 2019. Sky will be slightly cloudy from 27th April to 1st May, 2019.

Crop	Stage	Agro Advise
Summer rice	Grain filling stage	<ul style="list-style-type: none"> Due to forecast for reducing humidity and increase in temperature and crop is in grain filling stage hence maintain optimum water level of 5 cm.
Mango	Fruiting (Egg to maturity stage)	<ul style="list-style-type: none"> Due to forecast for reducing humidity and increase in temperature, harvest the mature fruits before 10 hours in the morning and after 16 hours in the evening with the help on Nutan mango harvester at 80 to 85% maturity immediately which will help to reduce spongy tissue. Keep the harvested fruits in shade to prevent from heat and spongy tissue. To prevent incidence of post harvest diseases 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 developed by B. S. Konkan Krishi Vidyapeeth, Dapoli. Transport of harvested fruits should be done preferably during night hours. Do not spray any insecticides/fungicides 8 days before harvesting of mango fruits. Due to forecast of cloudy weather, there is possibility of incidence of fruit fly on mango. For control of fruit fly incidence, install 'Rakshak fruit fly trap' developed by University @ 4 traps per hectare. Collect and destroy fallen fruits and keep orchard clean. Due to increase in rate of evaporation, provide irrigation to newly planted mango orchard also use straw or polythene mulch to reduce evaporation losses. To protect the mango tree from increasing temperature, apply bordopaste to the base of stem.
Coconut	-	<ul style="list-style-type: none"> Due to increase in rate of evaporation, provide irrigation to coconut orchard at 5 to 6 days interval. Provide support and shade to newly planted coconut orchard.
Banana	-	<ul style="list-style-type: none"> Due to forecast for reducing humidity and increase in temperature, provide irrigation to banana orchard and use straw mulch to reduce evaporation losses. Provide support to banana tree which is in flowering stage also cover the bunches with gunny cloth or leaves to protect the fruits from sunburn and hot wind.
Vegetables/ Fruit crop nursery	-	<ul style="list-style-type: none"> Due to increase in rate of evaporation, provide irrigation regularly to fruit crop nursery, new planted fruit crops and vegetable crops. Due to forecast for increase in temperature, keep nursery area clean by removing weeds also provide shed to nursery seedlings.
Milch animal /goat/poultry	-	<ul style="list-style-type: none"> Provide clean, hygienic and plenty amount of drinking water to farm animals and poultry birds. To reduce the stress of heat in farm animals, provide roughages by mixing with solution of 1% gaggery and 0.5% salt separately. There is forecast for increase in temperature, hence protect animals and poultry birds from heat by covering roof of the shed with insulating materials such as paddy straw, dry coconut leaves and make arrangement for sprinkle cold water on the roof of shed during afternoon time. Use wet gunny bags as side curtains to protect animals and poultry birds from direct hot winds. To protect animals from heat, sprinkle cold water on animals during the afternoon, it will help to maintain the body temperature. Due to increase in temperature, avoid grazing of farm animals during afternoon hours. In poultry shed, increase the water pot and provide adequate and clean water for drinking. Also, feed should be given in the morning or evening hours.

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.