



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 –20/03/2019 to 26/03/2019)							Weather Parameters	Weather forecast until 08.30 hrs of 31/03/2019				
20/03	21/03	22/03	23/03	24/03	25/03	26/03		27/03	28/03	29/03	30/03	31/03
0.0	0.0	0.0	0.0	0.0	0.0	-	Rainfall (mm)	0	0	0	0	0
33.2	31.0	31.0	31.0	33.0	36.8	-	Maximum temperature (°C)	39	38	38	39	37
17.6	17.6	16.4	19.4	22.4	23.0	-	Minimum temperature (°C)	23	21	21	21	20
0	0	0	0	0	0	-	Cloud cover (Octa)	0	0	0	0	1
67	89	89	63	49	54	-	Relative Humidity Max. (%)	34	53	42	47	52
45	45	59	48	36	33	-	Relative Humidity Min. (%)	18	21	24	24	27
3.7	3.2	3.4	3.8	5.1	5.9	-	Wind speed (Km/hr)	5	4	6	5	7
NNW	W	E	NNE	S	S	-	Wind direction	126	183	124	130	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 to 31st March, 2019.

Crop	Stage	Agro Advise
Summer rice	Panicle initiation	<ul style="list-style-type: none"> Rice crop is in panicle imitation stage hence maintain optimum water level of 5 to 10 cm. in the field.
Groundnut	Pod development	<ul style="list-style-type: none"> Due to increase in evaporation, Irrigate the groundnut crop at an interval of 8-10 days.
Mango	Fruiting (Marble to Arecanut stage)	<ul style="list-style-type: none"> During summer, to protect the mango tree from increasing temperature, apply 1% bordopaste to the base of stem. For increasing the production and quality of fruits of mango, spray 1 % Potassium nitrate at marble stage and arecanut size fruit stage. Due to variation in temperature there is possibility of fruit drop of mango hence, provide irrigation for alphonso mango @ 150 to 200 lit. of water at fortnight interval for 3 to 4 times to reduce fruit drop and increase the size of fruits. Also use straw mulch to reduce evaporation. To protect the mango fruit from the incidence of fruit fly, install ‘Rakshak fruit fly trap’ developed by University @ 4 traps per hectare. The pre-harvest bagging with butter paper or newspaper bag at marble stage increases the fruit weight, pulp weight, produce spongy tissue free fruit, controls attack of fruit fly on fruits and produces spotless fruits of mango. 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). New growth below graft union should be removed regularly.
Coconut	-	<ul style="list-style-type: none"> Due to increase in maximum temperature, provide irrigation to coconut orchard at 5 to 6 days interval. Provide support and shade to newly planted coconut orchard.
Sapota	Flowering and Fruiting	<ul style="list-style-type: none"> Due to increase in maximum temperature, provide irrigation to sapota orchard at 5 to 6 days interval also use straw mulch to reduce evaporation.
Banana	-	<ul style="list-style-type: none"> Due to increase in maximum temperature, provide irrigation to banana orchard twice in week and use straw mulch to reduce evaporation. 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. Provide support to newly planted banana orchard, as there is forecast of high wind velocity.
Vegetables/ Fruit crop nursery	Fruiting	<ul style="list-style-type: none"> Provide irrigation regularly to fruit crop nursery, new planted fruit crops and vegetable crops. Keep the 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 protect animals from heat, sprinkle cold water on animals during the afternoon, it will help to maintain the body temperature. To reduce the stress of heat in farm animals, provide roughages by mixing with solution of 1% gaggery and 0.5% salt separately. Clean the water tank once in 15 days, and apply lime inside the tank which help to prevent the algae development and help to supply clean water enriched with calcium. 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. Vaccination against foot and mouth disease in farm animals and Ranikhet disease in poultry birds under supervision of veterinary officers is advocated.

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.
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