



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 –23/03/2019 to 29/03/2019)							Weather Parameters	Weather forecast until 08.30 hrs of 03/04/2019				
23/03	24/03	25/03	26/03	27/03	28/03	29/03		30/03	31/03	01/04	02/04	03/04
0.0	0.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
31.0	33.0	36.8	38.6	39.6	34.8	31.8	Maximum temperature (°C)	33	33	33	32	32
19.4	22.4	23.0	21.6	21.0	20.4	20.4	Minimum temperature (°C)	22	22	23	22	22
0	0	0	0	0	0	0	Cloud cover (Octa)	0	0	0	0	0
63	49	54	47	68	77	90	Relative Humidity Max. (%)	44	51	50	68	70
48	36	33	30	51	59	-	Relative Humidity Min. (%)	18	20	20	22	25
3.8	5.1	5.9	4.7	4.8	3.5	2.9	Wind speed (Km/hr)	4	5	4	4	4
NNE	S	S	SSE	SSW	Calm	Calm	Wind direction	198	205	251	151	119
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
Sky will be clear from 30th March to 3rd April, 2019.

Crop	Stage	Agro Advise
Summer rice	Panicle initiation	<ul style="list-style-type: none"> Rice crop is in panicle initiation stage hence maintaining optimum water level of 5 to 10 cm. in the field.
Mango	Fruiting (Marble to Arecanut stage)	<ul style="list-style-type: none"> There is possibility for incidence of powdery mildew disease on mango, if incidence is noticed spray Hexaconazole 5% @ 5 ml or wettable Sulphur 80% @ 20 gm per 10 liter of water. During summer, to protect the mango tree from increasing temperature, apply 1% bordopaste to the base of stem. To protect the mango fruit from the incidence of fruit fly, install ‘Rakshak fruit fly trap’ developed by University @ 4 traps per hectare. 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 rate of evaporation, 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 rate of evaporation, 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 rate of evaporation, provide irrigation to banana orchard twice in week 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	Fruiting	<ul style="list-style-type: none"> If incidence of shoot and fruit borer is noticed on brinjal, collect and destroy all infected shoots and fruit and spray Fenvalerate 10 ml per 10 liters of water. Due to increase in rate of evaporation, provide irrigation regularly to fruit crop nursery, new planted fruit crops and vegetable crops. Keep the nursery areas 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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