



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 –16/03/2019 to 22/03/2019)							Weather Parameters	Weather forecast until 08.30 hrs of 27/03/2019				
16/03	17/03	18/03	19/03	20/03	21/03	22/03		23/03	24/03	25/03	26/03	27/03
0.0	0.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
32.2	31.6	31.0	35.6	33.2	31.0	31.0	Maximum temperature (°C)	31	32	34	35	36
14.4	17.8	18.0	16.4	17.6	17.6	16.4	Minimum temperature (°C)	18	19	20	21	22
0	0	0	0	0	0	0	Cloud cover (Octa)	0	0	0	0	0
51	83	66	73	67	89	89	Relative Humidity Max. (%)	48	37	30	31	38
39	44	30	33	45	45	-	Relative Humidity Min. (%)	25	24	18	17	19
5.8	2.6	3.0	3.7	3.7	3.2	3.4	Wind speed (Km/hr)	7	6	7	9	6
WNW	Calm	SSE	Calm	NNW	W	E	Wind direction	212	192	60	29	175
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 23rd to 27th March, 2019 also wind velocity range on 6 to 9 from 23rd to 27th March, 2019.

Crop	Stage	Agro Advise
Summer rice	Panicle initiation	<ul style="list-style-type: none"> Rice crop is in panicle initiation stage hence maintain optimum water level of 5 to 10 cm. in the field.
Mango	Fruiting (Marble to Arecanut stage)	<ul style="list-style-type: none"> For increasing the production and quality of fruits of mango, spray 1 % Potassium nitrate at pea stage, 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. 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 support to newly planted mango graft, as there is forecast of high wind velocity. Provide irrigation to newly planted mango orchard also use straw or polythene mulch to reduce evaporation losses.
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. If incidence of bunchy top disease is noticed on banana, remove and destroy infected plant. Since the aphid act as vector for bunchy top disease, if incidence of aphid is notice in banana orchard spray 0.05 % dimethoate insecticide 3 times at 15 days interval. 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"> For control of incidence of thrips in summer okra, apply phorate 10G @ 10 kg ha⁻¹ by mixing into the soil around plant. Destroy all infected shoots and leaves. Install yellow sticky traps in to field. If the incidence of white flies, aphids, hoppers are noticed on tomato, brinjal, chilli etc. vegetable crops, spray malathion 20 ml or Dimethoate 15 ml per 10 liters of water at 10 to 15 days interval. Provide irrigation to fruit crop nursery, 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. There is possibility for increase in temperature during day hence protect animals and poultry birds from heat. Vaccination against Ranikhet disease in poultry birds under the supervision of veterinary officer 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.
For more information contact nearby SAU research station or Agriculture officers of Agriculture Department, Maharashtra state.