



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 –27/04/2019 to 03/05/2019)							Weather Parameters	Weather forecast until 08.30 hrs of 08/05/2019				
27/04	28/04	29/04	30/04	01/05	02/05	03/05		04/05	05/05	06/05	07/05	08/05
0.0	0.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
32.0	34.0	35.0	31.0	31.0	30.0	30.0	Maximum temperature (°C)	34	34	34	36	36
25.0	26.0	27.0	24.0	23.0	23.0	23.0	Minimum temperature (°C)	26	26	25	25	25
0	0	0	0	0	0	0	Cloud cover (Octa)	5	6	1	0	1
83	85	82	82	85	78	81	Relative Humidity Max. (%)	84	83	85	78	83
62	57	68	71	85	60	-	Relative Humidity Min. (%)	37	40	40	34	37
2.6	3.2	3.4	3.3	3.2	4.8	3.7	Wind speed (Km/hr)	10	9	6	5	6
WSW	NNW	NNW	Calm	E	Calm	NNW	Wind direction	227	237	300	259	275
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 cloudy on 4th and 5th May, 2019.

Crop	Stage	Agro Advise
Summer rice	Maturity	<ul style="list-style-type: none"> Drain out water from the field where rice crop are in maturity stage. Harvest the matured rice crop and thresh it immediately. Dry the threshed grains in sun for 2 to 3 days.
Kharif rice	Land preparation	<ul style="list-style-type: none"> Start the land preparation operation for kharif season.
Mango	Fruiting (Egg to maturity stage)	<ul style="list-style-type: none"> 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 anthracnose disease and fruit fly incidence on mango. For control of anthracnose spray Carbendazim 12% + Mancozeb 63% @ 10 g per 10 liter of water. 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. Clean mango tree by removing loranthus and all dried diseased infected branches and apply bordopaste on cut portion of tree. Maintain good sanitation in orchard.
Cashewnut	-	<ul style="list-style-type: none"> Clean cashewnut tree by removing all dried infected branches. Maintain good sanitation in orchard. Apply bordopaste on cut portion of tree. If the incidence of Cashew Stem and Root Borer (CSRB) is noticed in Cashew, remove the grubs from the holes with the help of 15 mm chisel and apply Chloropyriphos 20 EC @ 5 ml per liter of water on the stem (swabbing) and pour remaining solution around the stem near to the roots.
Sapota	Fruiting	<ul style="list-style-type: none"> There is possibility for incidence of budworm in sapota, if incidence is notice spray any one of the insecticide viz., Emamectin benzoate 5% SG @ 4.5 gm or Deltamehtrin 2.8% EC @ 10 ml or Lambda cyhalothrin 5%EC @ 10 ml or Profenophos 40% EC @ 10 ml per 10 liter of water, three spray at an interval of one month i.e. in month of March, April and May. Install blue light trap for monitoring insect. 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.
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.
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. 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. Vaccination against foot and mouth disease in farm animals 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.
For more information contact nearby SAU research station or Agriculture officers of Agriculture Department, Maharashtra state.