



Agromet Advisory Service Bulletin for Palghar District
(Issued jointly by GKMS, 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 –12/02/2020 to 18/02/2020)							Weather Parameters	Weather forecast until 08.30 hrs of 23/02/2020				
12/02	13/02	14/02	15/02	16/02	17/02	18/02		19/02	20/02	21/02	22/02	23/02
0	0	0	0	0	0	0	Rainfall (mm)	0	0	0	0	0
34.0	34.2	34.8	34.2	33.8	34.5	37.6	Maximum temperature (°C)	36	35	34	33	33
19.6	22.5	22.2	21.4	19.0	18.8	21.2	Minimum temperature (°C)	24	25	24	23	23
2	2	0	0	0	0	0	Cloud cover (Octa)	1	0	1	2	0
63	68	52	67	61	84	46	Relative Humidity Max. (%)	38	47	50	45	35
51	43	36	31	40	40	-	Relative Humidity Min. (%)	19	17	22	19	18
3.9	3.7	3.9	4.9	4.1	2.6	2.6	Wind speed (Km/hr)	5	4	3	6	6
NE	NE	S	NNE	NNE	SSE	NNW	Wind direction	ENE	ENE	E	E	WNW
Rainfall (mm) in last week						Rainfall (mm) from 01/01/2020 to till dated			Total Rainfall (mm) in last year			
0.0						0.0			4233.4			

Agro-met Advisory

There is possibility of increase in maximum and minimum temperature and sky remain mainly clear from 19th to 23rd February, 2020.

Crop	Stage	Agro Advise
Summer rice	Tillering	<ul style="list-style-type: none"> Apply 2nd split dose of Urea @ 87 kg ha⁻¹ to rice crop at time of tillering. Due to forecast for increase in temperature maintain optimum water level of 5 cm in rice field.
Mango	Flowering to fruiting	<ul style="list-style-type: none"> To protect the flower bud of mango from hoppers, thrips and powdery mildew diseases, as per blossom protection schedule for mango crop, take a third spray of Imidacloprid 17.8% SL @ 3 ml per 10 liter of water before the flower opening (15 days after 2nd spray) to avoid the adverse effect on pollinators. Also add Hexaconazole 5% @ 5 ml or wettable Sulphur 80% @ 20 gm per 10 liter in water for control of powdery mildew disease. Note: Avoid spraying during flowering to fruit setting period for effective pollination. If it is not possible to postpone the spraying till fruit set due to heavy incidence of insect and pest, then avoid spraying during morning hours (10.00 am to 12.00 pm) which is active period of pollinators for pollination. To protect the pea size fruits of mango from hoppers, thrips and powdery mildew disease, as per blossom protection schedule for mango crop, take a fourth spray of Thiomethoxam 25%WG @ 1 gm per 10 liter of water (15 days after 3rd spray) Also add Hexaconazole 5% @ 5 ml or wettable Sulphur 80% @ 20 gm per 10 liter in water for control of powdery mildew. There is forecast for decrease in humidity and increase in temperature in during next five days, hence to minimize the pre-mature fruit drop of mango, apply 150 to 200 liter of water per tree after fruit setting at 15 days interval for 3 to 4 times also use straw mulch to reduce evaporation losses. To improve production and quality of mango fruits, spray 1 % Potassium nitrate at pea, marble and egg fruit stages. Due to forecast for decrease in humidity and increase in temperature may leads to accelerate evaporation, hence provide irrigation to newly planted mango orchard also use straw mulch to reduce evaporation losses.
Cashewnut	Nut stage	<ul style="list-style-type: none"> Due to forecast for decrease in humidity and increase in temperature may leads to accelerate evaporation, hence provide irrigation to newly planted cashewnut orchard also use straw mulch to reduce evaporation losses.
Coconut	--	<ul style="list-style-type: none"> Due to forecast for decrease in humidity and increase in temperature may leads to accelerate evaporation, hence provide irrigation to coconut orchard also use straw mulch to reduce evaporation losses. There is forecast for increase in temperature, hence provide shed to the newly planted coconut orchard to protect from sun scorching. Apply 750 gms urea and 667 gms of muriate of potash as 3rd split dose for 5-year-old and above coconut palm.
Sapota	Flowering	<ul style="list-style-type: none"> Due to forecast for decrease in humidity and increase in temperature may leads to accelerate evaporation, hence provide irrigation to sapota orchard also use straw mulch to reduce evaporation losses.

Fruit crop nursery	Seedling	<ul style="list-style-type: none"> • Due to forecast for decrease in humidity and increase in temperature may leads to accelerate evaporation, hence provide irrigation to fruit crop nursery. • Keep the fruit crop nursery area weed free also provides shed to nursery seedlings.
Milch animal /goat	-	<ul style="list-style-type: none"> • Provide clean, hygienic and plenty amount of drinking water to farm animals. • To protect animals from heat, sprinkle cold water on animals during the afternoon, it will help to maintain the body temperature.
Poultry	-	<ul style="list-style-type: none"> • There is possibility for increase in temperature during day hence protect poultry birds from heat. • 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.
<p>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.</p>		