



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 –20/05/2020 to 26/05/2020)							Weather Parameters	Weather forecast until 08.30 hrs of 31/05/2020				
20/05	21/05	22/05	23/05	24/05	25/05	26/05		27/05	28/05	29/05	30/05	31/05
-	0	0	0	0	0	0	Rainfall (mm)	0	0	0	2	0
-	34.0	34.0	34.0	35.8	35.8	35.8	Maximum temperature (°C)	37	35	34	34	35
-	26.0	26.8	25.0	27.6	28.0	28.0	Minimum temperature (°C)	29	29	29	29	30
-	0	2	0	2	0	0	Cloud cover (Octa)	3	2	2	3	1
-	78	79	83	80	77	79	Relative Humidity Max. (%)	84	83	83	79	84
-	63	62	55	58	58	-	Relative Humidity Min. (%)	35	38	43	49	47
-	4.4	4.5	3.7	5.6	4.7	4.9	Wind speed (Km/hr)	7	10	12	12	7
-	ENE	NE	Calm	E	SE	SW	Wind direction	W	SW	SSW	SW	W
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 partly cloudy from 27th to 31st May, 2020.

Crop	Stage	Agro Advise
Precaution to be taken by farmers due to Covid-19		<ul style="list-style-type: none"> In order to avoid the field level contagious spread of Corona virus, farmers are advised to follow general precautions and safety measures in harvesting, post-harvest operations, storage and marketing of produce
Kharif rice	Land preparation for nursery	<ul style="list-style-type: none"> For land preparation of rice nursery, plough the area add FYM@100 kg per guntha area and bring the soil to fine tilth. Prepare raised bed of 120 cm. breadth at bottom and 90 cm. on top along the slope of land. Convenient length of raised bed should be kept according to the land slope. Prepare nursery on 4 guntha area to transplant seedlings on 1 acre area. Recommended seed rate for paddy is 20 to 24 kg acre⁻¹ for bold varieties, 14 to 16 kg acre⁻¹ for fine varieties and 8 kg acre⁻¹ for hybrid varieties. Use seed rate of 32 kg acre⁻¹ for fine varieties and 40 kg acre⁻¹ for bold varieties for cultivation by “Rahu” method.
Finger millet	Land preparation for nursery	<ul style="list-style-type: none"> For raising finger millet nursey select the well drain soil. plough the nursery area and bring the soil to fine tilth, add FYM@250 kg per guntha area. Prepare raised bed of 120 cm. breadth at bottom and 90 cm. on top along the slope of land. Convenient length of raised bed should be kept according to the land slope. Recommended seed rate for finger millet is 2 to 2.5 kg per acre. Prepare nursery on 4 guntha area to transplant seedlings on 1acre area. Dapoli-1, Dapoli safed-1 (Konkan safed 1) and Dapoli-2 finger millet varieties are recommended by Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli for cultivation in Konkan region during Kharif.
Mango	Fruiting	<ul style="list-style-type: none"> Harvest the mature mango fruits before 10 hours in the morning and after 16 hours in the evening at 80 to 85% maturity. Keep the harvested fruits in shade to prevent development of spongy tissue disease and protect from heat. To prevent incidence of post-harvest diseases such as fruit rot on mango fruits, place the fruits in hot water of 52°C for 10 minutes and then keep for ripening. Transport of harvested fruits should be done preferably during night hours. Collect and destroy all fruit fly and fruit borer infected fallen fruits regularly and keep mango orchard clean. Clean mango orchard by removing all lorathus and dried branches to maintain good sanitation in orchard. if lorathus infestation is large the cut the infested branch and apply bordopaste on cut portion of tree. Due to increase in rate of evaporation, provide irrigation to newly planted mango orchard.
Coconut	--	<ul style="list-style-type: none"> To prevent the incidence of bud rot disease on young coconut plant during monsoon season, spray 1% bordomixture onto the crown region of palm. Due to forecast for increase in temperature and decrease in humidity, provide irrigation to coconut orchard at 5-6 days interval also use straw mulch to reduce evaporation losses.
Arecanut	--	<ul style="list-style-type: none"> Clean the arecanut orchard by removing dry leaves and infected inflorescence to

		<p>maintain good sanitation in orchard. spray 1 % bordomixture on to crown region. Repeat the spray 3 to 4 time at interval of one month.</p> <ul style="list-style-type: none"> • Due to forecast for increase in temperature and decrease in humidity, provide irrigation to arecanut orchard at 4-5 days interval also use straw mulch to reduce evaporation losses.
Kokum	Land preparation	<ul style="list-style-type: none"> • Select well drain soil for new plantation of kokum, clean the field and dig the pits of size 60 X 60 X 60 cm at a spacing of 6 X 6 m. Re-filled the pits with mixture of soil, 10 kg of well decomposed FYM and 1 kg of single super phosphate. • Kokan hatis and konkan amruta are kokum varieties are recommended by Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli for cultivation in Konkan region.
Awala (Indian gooseberry)	Land preparation	<ul style="list-style-type: none"> • Select well drain soil for new plantation of amala, clean the field and dig the pits of size 1 X 1 X 1 m at a spacing of 7 X 7 m or 10 X 10 m. Re-filled the pits with mixture of soil, 20-30 kg of well decomposed FYM and 1.5 kg of single super phosphate. • Krushna, Kanchan, NA-7, NA-10 and Chakayya are amala varieites recommended by Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli for cultivation in Konkan region.
Sapota	--	<ul style="list-style-type: none"> • There is possibility for fruit drop due to fungal disease during rainy season, to control the fruit drop, clean the sapota tree by removing all diseased and dried branches and apply 1 % bordopaste on the cut portion of tree. Also spray 1% bordomixture on to tree before start of rainy season. Repeat the spray twice at 15-20 days interval. • Due to increase in rate of evaporation, provide irrigation to newly planted sapota orchard at 4 to 5 days interval. • There is possibility for incidence of budworm on sapota, if incidence is noticed 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. Install blue light trap in orchard for monitoring insect.
Milch animals/Goat	--	<ul style="list-style-type: none"> • There is possibility of increase in temperature, provide adequate quantity of clean and cold water to farm animals for drinking and wash the pregnant buffalo daily. • For pregnant farm animals, provide 2.5 kg Concentrate + 15 to 20 kg green fodder + 5 to 7 kg roughages per day and for milking farm animals, provide 1 to 1.5 kg Concentrate + 15 to 20 kg green fodder + 4 to 5 kg roughages per day.
Poultry	--	<ul style="list-style-type: none"> • For boiler poultry bird 1st three week provide boiler starter and 4 to 6 week old bird provide boiler finisher as per their daily requirement. Also for reducing the cholesterol content, feed the birds with 1.5% black jeera powder or 0.5% turmeric powder or 1% ginger powder along with feed. • There is possibility of increase in temperature, hence 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>		