



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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Date: 09/03/2020

Duration – 5 days

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Significant past weather for the preceding week (Period –03/03/2020 to 09/03/2020)							Weather Parameters	Weather forecast until 08.30 hrs of 14/03/2020				
03/03	04/03	05/03	06/03	07/03	08/03	09/03		10/03	11/03	12/03	13/03	14/03
-	-	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
-	-	29.0	29.4	30.0	28.6	28.8	Maximum temperature (°C)	30	29	29	29	30
-	-	18.4	18.6	19.4	15.4	16.6	Minimum temperature (°C)	19	20	20	19	19
-	-	0	0	0	0	0	Cloud cover (Octa)	0	1	0	1	4
-	-	91	86	85	91	89	Relative Humidity Max. (%)	80	75	78	77	64
-	-	54	49	57	61	-	Relative Humidity Min. (%)	34	44	36	43	28
-	-	3.2	3.3	3.8	3.8	3.2	Wind speed (Km/hr)	5	6	3	4	8
-	-	SE	NE	SW	Calm	Calm	Wind direction	SW	W	SSE	SE	NNE
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

Sky remain clear from 10th to 14th March, 2020.

Crop	Stage	Agro Advise
Summer rice	Panicle initiation	<ul style="list-style-type: none"> Maintain optimum water level of 5 cm in rice field where crop is in panicle initiation stage.
Mango	Fruiting	<ul style="list-style-type: none"> To minimize the pre-mature fruit drop of mango, apply 150 to 200 liter of water per tree after fruit setting (pea size) 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. The pre-harvest bagging with newspaper bag of size 25 X 20 cm at marble to egg stage as per recommendation of D.B.S.K.K.V. helps to reduce the fruit drop, increases the fruit weight, pulp weight, produce spongy tissue free fruit, controls attack of fruit fly on fruits and produces spotless fruits of mango. Spraying of 55% cow urine at pea size fruits of mango 3 to 6 sprays at weekly interval as per availability is suggested for increasing yield.
Cashewnut	Flowering to fruiting	<ul style="list-style-type: none"> There is possibility of incidence of tea mosquito bug and thrips on new vegetative flush of cashewnut, to protect the flush of cashew spray Monocrotophos 36%SL @ 15 ml or Lambda cyhalothrin 5% EC @ 6 ml per 10 liter of water. To improve fruit setting and production of cashewnut, spray 10 ppm Ethrel as a plant growth regulator at flowering stage. If possible Provide irrigation to cashewnut plant from flowering to fruiting stage. Spraying of 25% cow urine @ 5 liter per plant and drenching of 10 liter of 25% cow urine per cashewnut tree is suggested for increasing yield and size of nuts. If nuts are ready for harvesting, harvest the matured nuts and sun dry for 7 to 8 days to bring down moisture content and then stored in dry places.
Coconut	--	<ul style="list-style-type: none"> There is possibility of incidence of black headed caterpillar in coconut orchard in coastal areas. The caterpillar feeds on leaves results into dried up patches on leaf. For control of black headed cater pillar, collect and destroy all infected leaves and spray dimethoate 30%EC @ 16 ml per 10 liter of water or release larval parasitoids <i>Goniozus nephantidis</i> adult @ 3500 nos per hectare. Provide irrigation to coconut orchard at 5-6 days interval also use straw mulch to reduce evaporation losses.
Sapota	Flowering to fruiting	<ul style="list-style-type: none"> Provide irrigation to sapota orchard at 5-6 days interval. also use straw mulch to reduce evaporation losses. 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.
Brinjal, Tomato,Chilli	Flowering to fruiting	<ul style="list-style-type: none"> Provide irrigation to vegetable crops at 6-7 days interval. Also earthing up of soil to give support to plant.
Water melon	Flowering to	<ul style="list-style-type: none"> Provide irrigation to water melon crops at 3-4 days interval regularly as to protect fruits

	fruiting	from cracking. • Cover the water melon fruits with paddy straw or grasses to protect fruits from sunlight.
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.		