



Agromet Advisory Service Bulletin for Palghar District
(Issued jointly by IMD, New Delhi and ICAR, New Delhi,
Krishi Vigyan Kendra, Kosbad Hill, Palghar)



No.36/2021

Date: 04/05/2021

5 Days

Significant past weather for the preceding week (Period – 28/04/2021 to 04/05/2021)							Weather Parameters	Weather forecast from 08.30 hrs of 01/05/2021 to 05/05/2021				
28/04	29/04	30/04	01/05	02/05	03/05	04/05		05/05	06/05	07/05	08/05	09/05
0	0	0					Rainfall (mm)	0	0	3	0	3
34.5	33.2	34					Maximum temperature (°C)	34	34	34	34	34
26.5	27.4	27					Minimum temperature (°C)	25	26	27	27	27
							Cloud cover (Octa)	Clear	Clear	Clear	Clear	Clear
87	89	87					Relative Humidity Max. (%)	75	76	78	77	79
60	61	-					Relative Humidity Min. (%)	60	61	62	66	66
4.2	4	3.7					Wind speed (Km/hr)	3	2	3	3	4
SE	SE	-					Wind direction	222	209	269	290	302
Rainfall (mm) in last week						Rainfall (mm) from 01/01/2021 to till dated		Total Rainfall (mm) in last year				
0.0						0.0		3135.2				

Agro-met Advisory Based on Weather Forecast Prediction

Weather summary	As per the forecast given by RMC, Mumbai, there is a possibility of light rainfall at isolated places on 7 th and 9 th May,2021.
General advisory	Due to forecast of light rainfall at isolated places on 7 th and 9 th May,2021. harvest and stored the matured crops vegetables and fruits then kept at protective and safe place and give support with the help of stick to newly planted orchard.
SMS	In case of thunderstorm accompanied with lightning, Take care of yourself by using DAMINI mobile Application.

Crop	Stage	Agro-met Advisory
summer rice	Harvesting	<ul style="list-style-type: none"> Due to forecast of light rainfall at isolated places on 7th and 9th May,2021. Harvest the matured early rice varieties with 'Vaibhav Sickle' near to ground level and follow threshing, the threshed grains should be sun dry for 3 to 4 days before storing.
Groundnut	Pod filling to harvesting	<ul style="list-style-type: none"> While filling the pods, spray Sulphate of Potash (00:00:50) with 70 gm plus 50 gm per 15 liters of water to increase the size and weight. In hot and dry climates, summer groundnut crop is prone to blight and infestation. For control, thiamethoxam 0.4 g or dimethoate 1.4 ml. Spray at this rate per liter of water. Sprinkler irrigation should be used while irrigating the crop. Provide irrigation preferably in the morning and evening. Groundnut crop shows maturity sign like 70-80% of the pods develop blackish streak inside the shell and the kernels are plump with original seed colour develop on the kernel, Uproot the plant when there is enough moisture in the soil during clear weather (no rainfall). Strip off the pods from the plant and sundry for 4 to 5 days.
Mango	Fruiting to harvesting	<ul style="list-style-type: none"> Due to forecast of light rainfall at isolated places on 7th and 9th May,2021. harvest the matured mango fruits at 80 to 85% maturity in the morning or evening hours during clear weather (no rainfall) and keep the harvested fruits in shade to prevent spongy tissue disease and from heat. To prevent incidence of post-harvest diseases

		<p>fruit rot 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. Transport of harvested fruits should be done preferably during night hours.</p> <p>✦ For new plantation of mango, clean the field and dig the pits of size 1 X 1 X 1 m at a spacing of 10 X 10 m, for close planting at a spacing 5X5 m. Re-filled the pits with mixture of soil, 3-4 pots of well decomposed FYM and 3 kg of single super phosphate.</p>
Sapota	Land preparation	<p>✦ For new plantation of sapota, clean the field and dig the pits of size 1 X 1 X 1 m at a spacing of 10 X 10 m. Re-filled the pits with mixture of soil, 3-4 pots of well decomposed FYM and 3 kg of single super phosphate.</p>
Coconut	Land preparation	<p>✦ For new plantation of coconut, clean the field and dig the pits of size 1 X 1 X 1 m at a spacing of 7.5 X 7.5 m or 8 X 8 m. Re-filled the pits with mixture of soil, 10 kg of well decomposed FYM and 2 kg of single super phosphate.</p>
cashew nut	Land preparation	<p>✦ Due to forecast of light rainfall at isolated places on 7th and 9th May, 2021. Harvest the matured nuts and sundry for 7 to 8 days to bring down moisture content and then stored in dry places.</p> <p>✦ For new plantation of cashew nut, clean the field and dig the pits of size 0.6 X 0.6 X 0.6 m at a spacing of 7X 7 m or 8 X 8 m. Re-filled the pits with mixture of soil, 2 pots of well decomposed FYM and 1/2 kg of single super phosphate.</p>
Watermelon	Maturity to harvesting	<p>✦ Watermelon should be harvested only when the fingernails are ripe on ripe fruits. Also, when the fruit is pressed by hand, it makes a croaking noise. Symptoms of Melon Maturity Fruit ripening starts from the tip of the flower, as well as fruit vine crops.</p> <p>✦ When the musk melon crop ripens, the color of the fruit peel changes. The fine pulp on the fruit is removed and the fruit becomes net and firm. Fruits should be harvested only when they have a specific aroma.</p>
Cucurbitaceous vegetables	Maturity to Harvesting	<p>✦ Use only micro irrigation system (e.g. drip irrigation, sprinkler irrigation) to irrigate cucurbitaceous vegetable crops. Provide the irrigation to crops preferably in the morning, evening or at night. Vegetation should be removed from the side of the crop. Do not allow water stress during flowering.</p>
Milch Animals/ Goat /Poultry		<p>✦ There is possibility of increase in temperature hence 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. To reduce the stress of heat in farm animals, provide roughages by mixing with solution of 1% Jaggery and 0.5% salt separately. There is forecast for increase in temperature, hence protect animals 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 from direct hot winds.</p>

This Agro Advisory Bulletin (AAB) is prepared and published with the consultation and recommendation of SMS committees of Krishi Vigyan Kendra, Kosbad Hill.

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Source:

- 1) Weather forecast : Regional Meteorological centre (RMC, Mumbai)
 2) Last week weather summary : IMD Observatory (Agricultural Research, Station), Palghar

Place: Krishi Vigyan Kendra, Palghar

Date: 04.05.2021

Sd/.
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