



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



No.11/2021

Date: 05/02/2021

5 Days

Significant past weather for the preceding week (Period – 30/01/2021 to 05/02/2021)							Weather Parameters	Weather forecast from 08.30 hrs of 06/02/2021 to 10/02/2021				
30/01	31/01	01/02	02/02	03/02	04/02	05/02		06/02	07/02	08/02	09/02	10/02
0	0	0	0	0	0	0	Rainfall (mm)	0	0	0	0	0
							Maximum temperature (°C)	27	27	28	29	30
							Minimum temperature (°C)	16	15	16	17	18
							Cloud cover (Octa)	clear	clear	clear	clear	clear
							Relative Humidity Max. (%)	79	75	70	72	73
							Relative Humidity Min. (%)	60	59	54	53	55
							Wind speed (Km/hr)	9	11	9	6	5
							Wind direction	NNE	ENE	ENE	ENE	ENE
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 gradually decrease in maximum and minimum temperature during 6 th to 10 th February, 2021. Maximum temperature will remain in between 27 to 30 °C and minimum temperature will remain in between 15 to 18 °C.
General advisory	There is possibility of decrease in maximum and minimum temperature so provide irrigation to fruit orchard during night time to maintain temperature.
SMS	Proper protection should be done for animals and poultry birds from increasing cold.

Crop	Stage	Agro-met Advisory
Summer Rice	Tillering	✚ Carried out weeding operation 20 days after transplanting of summer rice.
Summer Ground nut	Vegetative growth	✚ Summer groundnuts should be sown using a plastic mulching to prevent evaporation from the soil, which requires less water for crop growth and saves water. Also, the growth of the crop is accelerated and the incidence of various diseases is reduced.
Banana	Fruiting	✚ If the banana crop is in fruiting stage, due to gradual drop in minimum temperature, plastic bags should be used to protect the bunch. also irrigation should be done at night to help control the temperature.
Coconut	Vegetative growth	✚ In the month of February, provide irrigation to the old trees at the rate of 40 liters per day in a circular pattern of 1.25 m away. Also apply the mulching with dry grass 15 cm thick or plastic paper.
Mango	Fruiting	✚ In order to reduce the fruit dropping in a fruit bearing mango orchard, 3 to 4 irrigation should be given at an interval of 15 days at 150 to 200 liters of water per plant depending on the availability of water. Mulching Grass should be done around the trunk of the tree.

		<p>✚ When mango is in fruiting stage and pea-shaped stage, the fruits are prone to thrips and powdery mildew. According to protection schedule, fourth spray (15 days after third spray) Thymethoxam (25 WG) 0.1 g plus for control of powdery mildew disease, hexaconazole (5 EC) 0.5 ml. Or Sulfur (80 WDG) 2 gm per liter of water. This spray can be mixed with 2% urea (20 g urea per liter of water) to reduce fruit dropping. When preparing this solution, urea should first be completely dissolved in water. Then add pesticide</p>
Cashew	Vegetative growth	<p>✚ Apply 150-200 litters of water per cut at 15 days interval for full grown trees of cashew nuts, and provide 30 litters of water per plant at 8 days interval for newly planted cuttings for first 2 years in summer.</p>
Summer okra	Sowing	<p>✚ The distance between two rows for planting summer okra is 45 x 60 cm. I And the distance between the two plants is 15 x 20 cm. sow 2 to 3 seeds at a time.</p>
Dolichos bean	Sowing	<p>✚ Carried out tillage operation and complete cleaning for the cultivation of Dolichos bean. After that 3 m x 50 to 60 cm beds are to be used to provide irrigation during summer season. Sowing should be done 45 x 20, 45 x 15 cm spacing. 40 to 50 kg seeds are used per hectare.</p>
Ridge guard	Sowing	<p>✚ Carried out tillage operation and complete cleaning for the cultivation of Ridge guard, cucumber, Bitter guard and Bottol guard. After that 3 m x 50 to 60 cm beds are to be used to provide irrigation during summer season. Plant the seeds at 1.5 to 2 x 1 to 1.5 m. At a distance Should be kept. 4 to 5 kg seeds should be used per hectare of area.</p>
Tomato	Sowing	<p>✚ Before the Tomato transplanting soil should be plough twice and vertically and horizontally. 3 m x 1 m. x 15 cm Shape beds should be prepared. Mix 5 kg of decomposed manure, 80 gm 19:19:19 or 100 gm 15:15:15 in afield. For seed treatment apply Thiram / Captan 3 gm or Trichoderma 2.5 gm per kg followed by Azotobacter 2.5 gm per kg. Therefore, diseases like dying, seedling collapse, collar rot are under control.</p>
Cabbage	Harvesting	<p>✚ It is important to take special care when harvesting cabbage crops. These crops are ready in two and a half to three months depending on the variety and season. The cabbage is crushed, which means it thickens when pressed with the thumb or palm. Only such prepared flowers should be harvested. Full grown white cabbage should be harvest immediately. Prolonged harvesting causes the bunches to turn yellow and lose their firmness and attractiveness. The surface of the pile becomes rough like rice spread and its copy deteriorates.</p>
Animal husbandry/ Poultry		<p>✚ Proper protection should be done for animals and poultry birds from increasing cold.</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 : 05.02.2021

Sd/.

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Krishi Vigyan Kendra, Palghar**