



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



No.15/2021

Date: 18/02/2021

5 Days

Significant past weather for the preceding week (Period – 12/02/2021 to 18/02/2021)							Weather Parameters	Weather forecast from 08.30 hrs of 19/02/2021 to 23/02/2021				
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
							Maximum temperature (°C)	30	31	32	32	34
							Minimum temperature (°C)	21	21	22	21	22
							Cloud cover (Octa)	Partly cloudy	Partly cloudy	Partly cloudy	Clear	Clear
							Relative Humidity Max. (%)	55	49	41	37	34
							Relative Humidity Min. (%)	24	29	21	18	19
							Wind speed (Km/hr)	10	7	8	6	5
							Wind direction	NE	E	NE	NE	NE
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 decrease in humidity and increase in temperature during 19 th to 23 rd February, 2021. Weather will remain least cloudy during 19 th to 21 st February, 2021.
General advisory	As the temperature rises, the crop should be irrigated with drip or sprinkler irrigation as required. The filtration system of drip irrigation system should always be kept clean and efficient. Fertilizer system, pressure gauge, water meter and main pump should be checked regularly. Drip losses should be cleaned once a month.
SMS	Keep the fruit crop nursery area weed free also provides shed to nursery seedlings.

Crop	Stage	Agro-met Advisory
Summer rice	Tillering	☀️ Due to forecast for increase in temperature maintain optimum water level of 5 cm in rice field.
Chick pea	Harvesting	☀️ Harvest and threshing should be done of matured chick pea. If you found incidence of pod borer in gram, spray Imamectin benzoate (5 SG) 0.4 g per liter of water.
Coconut	Vegetative growth	☀️ Provide shed to newly planted coconut orchard to protect from maximum temperature.
Mango	Fruiting	☀️ Hexaconazole 5% solution 5 ml solution for control of powdery mildew and Anthracnose diseases on mango crop. Or spray with 80% water soluble sulfur 20 gm and carbendazium 12% manco zeb 63% 10 gm per 10 liters of water. ☀️ To protect the mango fruit from fruit flies, the recommended " Fruit Trap" at the rate of 4 per hectare should be hung on the lower branch of the tree in the orchard.
Sapota	Flowering	☀️ Due to forecast of 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.

Cashew	Fruiting	<ul style="list-style-type: none"> ✚ There is a possibility of incidence of T mosquito bug and Thrips on cashew fruits, Apply Lambda cyhalothrin 5% solution 6 ml for this pest control or acetamiprid 20% SP 5 grams per 10 liters of water. (These pesticides have no label claims). If spraying has been done before, then plant should be monitored for the incidence of pests and diseases. If it appears, measures should be taken.
Watermelon	Fruiting	<ul style="list-style-type: none"> ✚ Due to rise in temperature, regular irrigation to watermelon crop should be done at intervals of 3 to 4 days. Irregular irrigation is likely to cause fruit set. ✚ Watermelon fruits should be covered with rice straw or grass to protect them from sunlight.
Okra	Vegetative growth	<ul style="list-style-type: none"> ✚ There is possibility of incidence of aphids on okra crop, If incidence is noticed, collect and destroy all infected shoots and leaves, spray Dimethoate 30%EC@10 ml per 10 liters of water. Also use yellow sticky cards in field to attract sucking pest.
Dolichos bean	Harvesting	<ul style="list-style-type: none"> ✚ Harvest mature lablab bean pod and dry it for 4 to 5 days in sunlight and then follow threshing or harvest the pods along with plant and dry for 3 to 4 days in sunlight. After drying follow threshing of pods. Stored dried grain in proper manner.
Chilli	Vegetative growth g	<ul style="list-style-type: none"> ✚ Powdery mildew is likely to occur in chilli crop due to cloudy weather. To control this disease, spray 2gram soluble sulfur in per liter of water.
Tomato	Vegetative growth	<ul style="list-style-type: none"> ✚ In case of infestation of hoppers and Thrips on tomato, chilli and brinjal crop, spray with neem extract 5% or neem oil 2 ml per liters of water.
Cucurbitaceous crops	Vegetative growth	<ul style="list-style-type: none"> ✚ After transplanting of seedlings of Bitter guard, Bottol guard and cucumber, apply 50 gm of Trichoderma, an organic fungicide in 10 liters of water to control the disease. Due to the possibility of increase in wind speed provide support of stick to crop plants.
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.

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 : 18.02.2021

Sd/
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Krishi Vigyan Kendra, Palghar