



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



No.05/2021

Date: 15/01/2021

5 Days

Significant past weather for the preceding week (Period – 09/01/2021 to 15/01/2021)							Weather Parameters	Weather forecast from 08.30 hrs of 16/01/2021 to 20/01/2021				
09/01	10/01	11/01	12/01	13/01	14/01	15/01		16/01	17/01	18/01	19/01	20/01
0	0	0	0	0	0	0	Rainfall (mm)	0	0	0	0	0
30	30.4	30.4	31.6	31.6	31	30	Maximum temperature (°C)	28	29	29	29	29
21	21.4	22	22	22	19	19	Minimum temperature (°C)	18	18	18	18	17
							Cloud cover (Octa)	Least cloudy	Least cloudy	Least cloudy	Clear	Clear
91	71	64	85	86	90	90	Relative Humidity Max. (%)	58	59	58	55	47
63	55	56	66	60	57	-	Relative Humidity Min. (%)	34	30	30	33	38
4.2	4.9	4.5	5	5.1	3.7	2.5	Wind speed (Km/hr)	5	3	4	5	5
E	ENE	ENE	E	SE	E	-	Wind direction	ENE	NE	SE	ENE	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 minimum temperature gradually decreasing during 16 th January to 20 th January, 2020. Also, Sky may remain partly cloudy during next three days.
General advisory	Avoid spraying on mango trees during flowering to fruit setting period for effective pollination. If it is not possible to postpone the spraying till fruit set due to heavy incidence of insect and pest, then avoid spraying during morning hours (9.00 am to 12.00 pm) which is active period of pollinators for pollination.
SMS	While spraying pesticides and fungicides use protective devices.

Crop	Stage	Agro-met Advisory
Summer rice	Transplanting	<ul style="list-style-type: none"> ✚ Make arrangement of irrigation for rice nursery as per need, and transplanting of seedlings can start, so carried out puddling in the traditional way or with the help of machine. Traditionally, apply puddling operation by Pankaj instrument and to reduce labor, the power tiller or tractor should be fitted with iron wheels with the help of rotavator. ✚ Bunding rice field, for transplanting of rice use 12 to 15 cm. tall seedling with age of 22 to 25 days age. Transplanting of rice may be carried out with a spacing of 20 x 15 cm. and 2.5 to 3.5 cm. deep.
Summer groundnuts	Sowing	<ul style="list-style-type: none"> ✚ Summer groundnuts should be sown after 15th January. At the time of sowing, seeds should be sown at a spacing of 30 x 10 cm by erect method. Seed should be treated with 3gram thiram or Trichoderma to avoid incidence of fungal diseases, after that 10 kg seed should be treated with 250 gm of Rhizobium.

Lablab bean	Flowering to fruit formation stage	<ul style="list-style-type: none"> In case of infestation of pod borer on inflorescence lablab bean crop, 2 ml Malathion should be sprayed with per liter of water to control the pod borer.
Tur	Harvesting	<ul style="list-style-type: none"> Tur crop should be cut after drying of the pods. Squeeze on the threshing floor. Avoid excessive growth of crop for next season this results in incidence of infertility. Before storage, dry grains should be stored in bags or in a dry place for 5 to 6 days in sun. If possible, store neem leaves mixed with 5% grains. Grain should not be stored in damp and damp places.
Sapota	Harvesting	<ul style="list-style-type: none"> Harvest Sapota fruits after the well ripening, and grading should be done before sent to market. Apply second dose of fertilizers half pot of manure, 150 g of urea, 100 g of single super phosphate and 50 g of murate of potash in January to newly newly planted sapota orchard. These fertilizers should be applied to each plant by ring method.
Banana	Vegetative growth	<ul style="list-style-type: none"> As the temperature is likely to drop, provide irrigation to banana orchard by 5 to 7 days interval to help control the temperature in the orchard. Also improved irrigation system should be used for irrigation.
Cashew	Flowering	<ul style="list-style-type: none"> There is possibility of incidence of tea mosquito bugs and thrips on the inflorescence of cashewnut, to protect the cashew inflorescence, spray Profenophos 50% EC @10 ml per 10 liters of water during clear weather. There is possibility of incidence of tea mosquito bugs and thrips on the fruits of cashewnut, to protect the cashew during fruit bearing stage, spray Lambda cyhalothrin 5% EC @6 ml or Acetamiprid 20%SP @ 5 gms per 10 liters of water during clear weather. (insecticide is not under label claim).
Coconut	Vegetative growth	<ul style="list-style-type: none"> As the temperature is likely to drop, provide irrigation to the coconut and areca nut orchard in the evening to control the temperature in the orchard.
Mango	Inflorescence	<ul style="list-style-type: none"> Due to prevailing of cloudy weather condition and forecast for cloudy weather during next four days, there is possibility for anthracnose disease on mango vegetative flush and inflorescence, for protection against anthracnose disease, spray carbendazim 12% + mancozeb 63% combination fungicide @ 10 gm per 10 liter in water. Note: avoid spraying during flowering to fruit setting period for effective pollination. If it is not possible to postpone the spraying till fruit set due to heavy incidence of insect and pest, then avoid spraying during morning hours (9.00 am to 12.00 pm) which is active period of pollinators for pollination.
Jasmine	Vegetative growth	<ul style="list-style-type: none"> Apply pruning to jasmine crop then spray 1% Bordeaux mixture after pruning or apply Bordeaux paste on cut branches. It will help to rise to growth in flower production.
Cabbage	Vegetative growth	<ul style="list-style-type: none"> There is possibility of incidence of cabbage aphids in cabbage crop, if incidence is noticed spray Malathion 50% EC @ 1 ml + 2.5 gram of Copper oxychloride per liters of water twice at 10 to 12 days interval.
Tomato	Flowering to fruit formation stage	<ul style="list-style-type: none"> To control infestation of shoot borer and fruit borer, Spray H. N. P. V. at the rate of 250 ml per hectare mixed in 500 liters of water. Also destroy the larvae by collecting the infested fruits.
Poultry		<ul style="list-style-type: none"> Sick birds should be referred to the nearest veterinary clinic to prevent the spread of bird flu disease.

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 : 15.01.2021

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