



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



No.104/2020

Date: 29/12/2020

5 Days

Significant past weather for the preceding week (Period – 23/12/2020 to 29/12/2020)							Weather Parameters	Weather forecast from 08.30 hrs of 30/12/2020 to 03/01/2021				
23/12	24/12	25/12	26/12	27/12	28/12	29/12		30/12	31/12	01/01	02/01	03/01
0	0	0	0	0	0	0	Rainfall (mm)	0	0	0	0	0
32	30	30	31	31	29	29	Maximum temperature (°C)	27	29	31	31	30
13	18	19	20	18	17	11.4	Minimum temperature (°C)	15	16	17	18	17
							Cloud cover (Octa)	1	1	0	1	6
91	85	90	90	92	81	72	Relative Humidity Max. (%)	52	57	58	65	63
34	41	46	48	52	61	-	Relative Humidity Min. (%)	30	28	28	35	33
2.2	1.8	2.2	2	2.1	5.9	4.8	Wind speed (Km/hr)	7	7	6	4	5
N	E	E	ENE	ENE	NE	-	Wind direction	NE	ENE	ENE	NE	NE
Rainfall (mm) in last week						Rainfall (mm) from 01/01/2020 to till dated		Total Rainfall (mm) in last year				
0.0						3135.2		4233.4				

Agro-met Advisory Based on Weather Forecast Prediction

Crop	Stage	Agro-met Advisory
Weather summary		<ul style="list-style-type: none"> As per the forecast given by RMC, Mumbai, there is possibility of decrease in minimum temperature and remain in between 15 to 18 °C during 30th December, 2020 to 3rd January 2021.
General advisory		<ul style="list-style-type: none"> There is forecast for decrease in minimum temperature, provide irrigation to fruit orchards during evening hours which help to regulate temperature in the orchard.
Summer rice	Emergence	<ul style="list-style-type: none"> Provide sufficient irrigation to rice nursery and apply 1 kg urea per guntha after 15 days of sowing of rice nursery.
Lablab bean	Flowering to fruit formation stage	<ul style="list-style-type: none"> If infestation of shoot and pod borer on lablab bean crop, spray Malathion 2 ml per liter of water.
Chickpea	Development stage	<ul style="list-style-type: none"> To control pod borer attack in chickpea crop, spray 5% neem oil or quinalphos 20 ml per 10 liters of water. Sprinkler irrigation should be used to irrigate the chickpea crop so that the soil remains fertile and helps in reducing the incidence of root rot disease and does not increase excess weeds.
Banana	Vegetative	<ul style="list-style-type: none"> Apply 400 gms of urea as source of nitrogen fertilizer in three equal split after 60, 90 and 120 days of planting in a basin at a distance of 30 cm from stem of plant at depth of 10 cm.
Mango	Vegetative flush & flower bud initiation	<ul style="list-style-type: none"> There is possibility of incidence of mango hoppers at the time of flower bud initiation of Mango, therefore it is advised to spray Lambda cyhalothrin 5%EC @ 6 ml per 10 liters of water. Also add Hexaconazole 5% @ 5 ml or wettable Sulphur 80% @ 20 gm per 10 liter in water for control of powdery mildew disease.
Coconut	Development	<ul style="list-style-type: none"> Make arrangements to irrigate the fully grown coconut crop plant at

	stage	intervals of 5 to 10 days and provide soil mulch, and cover to retain moisture in the soil.
Flower crop	Vegetative	<ul style="list-style-type: none"> For control of weeds in marigold and aster flower crop, do weeding operation after 15-20 days of transplanting also earthing up of soil to give support to plant.
Okra	Flowering to fruit formation stage	<ul style="list-style-type: none"> If infestation of shoot borer and fruit bore found on okra during inflorescence. This insect lays eggs on flower buds, flowers and fruits. To control this pest spray Lambda Cyhalothrin 5% in 0.6 ml per liter of water. Also destroy insect infested branches and fruits and install 4-5 light traps or pheromone traps per acre.
Tomato	Vegetative	<ul style="list-style-type: none"> If the incidence of aphids, leaf hoppers, leaf eating caterpillars, leaf miner is noticed on tomato, brinjal, Chilli etc. vegetable crops, spray malathion 20 ml or Dimethoate 15 ml per 10 liters of water at 10 to 15 days interval, And provide irrigation to vegetable crop at 6-8 days interval.
Cabbage	Vegetative	<ul style="list-style-type: none"> For control of weeds in cabbage crop, do weeding operation after 20-25 days of planting also earthing up of soil to give support to plant.
Cucurbitaceae Vegetables	Flowering to fruit formation stage	<ul style="list-style-type: none"> Bitter guard, Bottol guard, Ridge guard, Cucumber and watermelon should be treated with drenching of 1gram carbendazim per liters of water to control the wilt disease.
Poultry		<ul style="list-style-type: none"> Provide clean and hygienic drinking water to farm animals. Protect the animals /poultry birds from low temperature by providing curtains and electric bulbs as per the need.
<p>This Agro Advisory Bulletin (AAB) is prepared and published with the consultation and recommendation of SMS committees of Krishi Vigyan Kendra, Kosbad Hill.</p> <p>E-mail: kvkkosbad439@gmail.com Contact no. 8552882712</p>		

Source:

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

Place : Krishi Vigyan Kendra, Palghar

Date : 29.12.2020

Sd/.
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Krishi Vigyan Kendra, Palghar