



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



No.98/2020

Date: 08/12/2020

5 Days

Significant past weather for the preceding week (Period – 02/12/2020 to 08/12/2020)							Weather Parameters	Weather forecast from 08.30 hrs of 09/12/2020 to 14/12/2020				
02/12	03/12	04/12	05/12	06/12	07/12	08/12		09/12	10/12	11/12	13/12	14/12
0	0	0	0	0	0	0	Rainfall (mm)	0	0	1	0	0
33.4	33.4	32.6	32	32.2	32.6	34	Maximum temperature (°C)	35	35	35	35	35
21.4	18	17	19	20	15.2	15.4	Minimum temperature (°C)	19	19	20	20	19
							Cloud cover (Octa)	4	8	6	5	5
79	75	90	90	81	83	-	Relative Humidity Max. (%)	45	42	49	68	76
52	47	42	37	41	35	-	Relative Humidity Min. (%)	22	26	27	39	59
3.1	3.3	2	1.6	1.9	2.5	2.2	Wind speed (Km/hr)	6	5	2	5	5
W	E	SW	SSE	S	SE	N	Wind direction	ENE	NE	NE	SSE	NE
Rainfall (mm) in last week						Rainfall (mm) from 01/01/2020 to till dated			Total Rainfall (mm) in last year			
0.0						3120.2			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 increase maximum temperature during 9th to 14th December, 2020, and sky remains cloudy during next five days.
General advisory		<ul style="list-style-type: none"> Due to forecast of increasing maximum temperature, provide irrigation to newly planted mango, sapota, cashew, areca nut and coconut orchard also use straw mulch around the base of plant.
SMS		<ul style="list-style-type: none"> Due to forecast of increasing maximum temperature, provide irrigation to vegetable crop at 5 to 6 days interval.
Chick pea	Vegetative development	<ul style="list-style-type: none"> Due to forecast of increasing maximum temperature and cloudy weather condition during next five days If incidence of pod borer is found 5 pheromone traps and bird perches should be applied in a per hector of area and provide protective irrigation if needed.
Lablab Bean	Vegetative development	<ul style="list-style-type: none"> Due to forecast of increasing maximum temperature and cloudy weather condition during next five days, provide irrigation to lablab bean crop and If incidence of aphids is noticed on lablab bean, spray Dimethoate 30%EC@12 ml per 10 liters of water.
Mango	inflorescence stage	<ul style="list-style-type: none"> Due to forecast of cloudy weather, there is possibility of incidence of hoppers and powdery mildew disease on vegetative flush of mango. for protection of vegetative flush from hoppers and diseases, spray deltamethrin 2.8%EC @10 ml + fungicide combination (carbendazim 12% + mancozeb 63%) @ 10gm per 10 liters in water. Spraying should be done according to the pesticide schedule so that the insect repellent ability to resist will not increase in the pest.

Cashew nut	inflorescence stage	<ul style="list-style-type: none"> Due to cloudy weather condition, there is possibility of incidence of thrips on the inflorescence of cashew nut, to protect the cashew inflorescence, spray Profenophos 50% EC @10 ml per 10 litters of water.
Sapota	Fruiting	<ul style="list-style-type: none"> For control of seed borer incidence on sapota, collect and destroy all infected fruits and dried leaves. Take a spray of profenophos 50% EC @ 15 ml or Indoxacarb 14.5 SC@ 5 ml or Deltamethrin 2.8 EC @ 10 ml insecticide per 10 litters of water twice at an interval of one month. Harvest all matured fruits before spraying.
Flower crops	Transplanting	<ul style="list-style-type: none"> If incidence of leaf webber, leaf roller and bud borer is noticed on mogra crop, collect and destroy all infected leaves and buds and spray neem based insecticide nemazal 5%.
Spice crop	Fruiting	<ul style="list-style-type: none"> Due to forecast of increasing maximum temperature provide irrigation to black pepper orchard as per requirement.
Tomato	Vegetative growth	<ul style="list-style-type: none"> After 30-55 days of transplanting of Tomato crop plants, when branches growing well provide them support of bamboo and wire. Placed the wooden bamboo beside 6 to 9 feet of crop ridges. On the 1 meters of land from the ground, you should pull wire on the pillars and tight and base in bomb. After the 30 to 45 days of cultivation provide earthing up to crop plants, airted climate helps to growth of plant and roots. Be careful that the tree will not be covered completely in the soil while earthing up.
Cucurbitaceous vegetable	Vegetative growth	<ul style="list-style-type: none"> Apply second split dose of nitrogen @10 gm urea per vine to snake gourd, bottle gourd, pumpkin cucurbitaceous crop at one month after planting. The amount of fertilizers should be given to the root zone at a short distance from the trunk of the plant by ring method. Provide irrigation immediately after application of fertilizers.
Chilli	Vegetative growth	<ul style="list-style-type: none"> There is possibility of incidence of leaf curl disease in Chilli due to thrips, white flies and mites which results into curling of leaves and stunted growth of plant. For control of disease spray dimethoate 30%EC 10 ml + Sulphur or mancozeb 20gms per 10 litters of water.
Cabbage	Vegetative growth	<ul style="list-style-type: none"> Due to cloudy weather condition Leaf spot and blight diseases may affect cabbage crops. To control these diseases spray Mancozeb or Copper Oxychloride 2.5 gm plus sticker in 1 ml per liter of water.
Okra	Vegetative development	<ul style="list-style-type: none"> For the control of fruit sucking pest (hoppers, aphids and white fly) in okra crop, 25-30 yellow sticky traps should be apply per acre field.
Animal husbandry		<ul style="list-style-type: none"> Protect the animals /poultry birds from low temperature by providing curtains and electric bulbs as per the need. Provide warm, clean and hygienic drinking water to farm animals.
<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>		
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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 : 08.12.2020

Sd/
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Krishi Vigyan Kendra, Palghar