



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



No.12/2021

Date: 09/02/2021

5 Days

| Significant past weather for the preceding week (Period – 03/02/2021 to 09/02/2021) | | | | | | | Weather Parameters | Weather forecast from 08.30 hrs of 10/02/2021 to 14/02/2021 | | | | |
|--|-------|-------|-------|-------|-------|---|----------------------------|--|--------------|--------------|--------------|-------|
| 03/02 | 04/02 | 05/02 | 06/02 | 07/02 | 08/02 | 09/02 | | 10/02 | 11/02 | 12/02 | 13/02 | 14/02 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | Maximum temperature (°C) | 34 | 35 | 36 | 36 | 35 |
| | | | | | | | Minimum temperature (°C) | 19 | 20 | 21 | 21 | 20 |
| | | | | | | | Cloud cover (Octa) | Clear | Least cloudy | Least cloudy | Least cloudy | Clear |
| | | | | | | | Relative Humidity Max. (%) | 75 | 76 | 74 | 74 | 75 |
| | | | | | | | Relative Humidity Min. (%) | 65 | 66 | 66 | 67 | 67 |
| | | | | | | | Wind speed (Km/hr) | 4 | 5 | 5 | 5 | 3 |
| | | | | | | | Wind direction | NE | NE | ENE | E | 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

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| Weather summary | As per the forecast given by RMC, Mumbai, there is a possibility of gradually increase in maximum and minimum temperature during 10 th to 14 th February, 2021. Maximum temperature will remain in between 34 to 36°C and minimum temperature will remain in between 19 to 21 °C. Weather will remain clear for next five days. |
| General advisory | Due to forecast of decrease in humidity and increase in temperature may leads to accelerate evaporation, hence provide irrigation to fruit crop nursery. |
| SMS | Due to increase in temperature, the crop should be irrigated with drip or sprinkler irrigation as required to save water. |

| Crop | Stage | Agro-met Advisory |
|-------------------|-------------------|---|
| Summer Rice | Tillering | ✚ Carried out weeding operation 20 days after transplanting of summer rice. Maintain optimum water level of 5 cm in rice field. |
| 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 | ✚ If water is available, 3-4 watering shifts should be given after fruiting. |
| Sapota | Flowering | ✚ There is a possibility of incidence of bud borer on Sapota After eating all the parts of a bud, it comes out of it and eats the neighboring buds as well. The resulting puddled buds become hollow and dry out. As a result, fruit set is reduced and yield is reduced. For control of this pest, 50% solution of Malathion 0.1% 20 ml per 10 Litters of water should be sprayed alternately after 15 days. |

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| | | |
| Cashew | Vegetative growth | ✚ Apply 150-200 liters of water per cut at 15 days interval for full grown trees of cashew nuts, and provide 30 liters of water per plant at 8 days interval for newly planted cuttings for first 2 years in summer. |
| Okra | Sowing | ✚ 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. |
| Dolichos bean | Vegetative growth | ✚ After transplanting of Dolichos bean, Bitter guard, Ridge guard and cucumber crops, mandap method should be adopted for support. This improved method leads to an increase in production over the traditional method. The vines grow well when supported. New shoots sprout forth well and bears good fruit. The longer the distance between the two rows, the easier it is to intercrop with a machine. The tray or pavilion method provides plenty of sunlight, thus improving the copy of the fruit. It is easy to spray pesticides or fungicides on the crop. It was very convenient to cut the fruit. |
| Chilli | Transplanting | ✚ For summer season, chilli crop should be planted in the month of February, at a spacing of 60 x 45 cm or 60 x 60 cm. Pruning of seedling should be done before planting so that the seedlings become firm and the incidence of leaf-rolling caterpillar is reduced. |
| Tomato | Sowing | ✚ Summer tomato crop should not be grown in light and shallow soils. Ground level should be between 6 and 7.5. This crop does not grow well in saline soils and without drainage. This stunts the growth and flowering of the crop. If the soil is drained, excess water is drained and if the water is alkaline, then salinity is also drained. Tomato crops (brinjal, chilli etc.) should not be grown in the previous season. This leads to higher incidence of pests and diseases. |
| Cabbage | Sowing | ✚ In cabbage crops, if mustard is sown in the main crop and on the side, the incidence of square spotted moth, Diamond back moth can be reduced from the earliest times of sowing. Before replanting in such cabbage crop, mustard should be sown 15 days before 25 rows of main crop, two rows and side by side. The incidence of these larvae on mustard crop can be easily controlled by spraying of pesticides. As soon as larvae appear on the mustard, apply Chlorpyrifos (20 EC) 1 ml. Spray per liter of water. |
| Animal husbandry | | ✚ Provide clean, hygienic and plenty amount of drinking water to farm animals. |

This Agro Advisory Bulletin (AAB) is prepared and published with the consultation and recommendation of SMS committees of Krishi Vigyan Kendra, Kosbad Hill.

E-mail: kvkkosbad439@gmail.com

Contact no. 8552882712

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 : 09.02.2021

Sd/
Nodal Officer, GKMS-DAMU
Krishi Vigyan Kendra, Palghar