



Ministry of Earth Science, India Meteorological Department is collaborated with
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Agro Advisory Bulletin For The District – Sindhudurg.
(Period 16th to 20th January, 2021)



| Issue 05/2021 | | | | | | | Date 15.01.2021 | | Duration 5 Day's | | | | |
|---|-------|-------|-------|--------|-------|-------|---------------------|------------------------|---|--------------------------|--------------------------|-------|-------|
| Actual weather parameters recorded during last week (Dated 05 th to 11 th January, 2021) | | | | | | | Weather Parameters | | Forecasted weather parameters for forthcoming 5 day's (Valid for 16 th to 20 th January, 2021) | | | | |
| 08/01 | 09/01 | 10/01 | 11/01 | 12/01 | 13/01 | 14/01 | Date | | 16/01 | 17/01 | 18/01 | 19/01 | 20/01 |
| 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Rainfall (mm) | | 0 | 0 | 0 | 0 | 0 |
| 34.0 | 33.0 | 35.0 | 35.0 | 35.5 | 35.0 | 35.0 | Temp. maximum (°C) | | 35 | 35 | 34 | 35 | 35 |
| 23.5 | 22.0 | 21.0 | 21.0 | 20.5 | 19.5 | 18.5 | Temp. minimum (°C) | | 19 | 19 | 19 | 19 | 18 |
| Cloudy | Clear | Clear | Clear | Cloudy | Clear | Clear | AM | Cloud Cover (Octa.) | 1 | 4 | 1 | 1 | 0 |
| Clear | Clear | Clear | Clear | Clear | Clear | Clear | PM | | | | | | |
| 96 | 93 | 91 | 94 | 96 | 93 | 98 | RH - I (%) | | 64 | 69 | 74 | 72 | 71 |
| 60 | 45 | 51 | 44 | 42 | 47 | 46 | RH - II (%) | | 31 | 34 | 40 | 37 | 34 |
| 0.2 | 0.5 | 0.5 | 0.6 | 0.7 | 0.5 | 0.7 | Wind Speed (km/hr.) | | 007 | 003 | 004 | 005 | 004 |
| Calm | Calm | Calm | Calm | Calm | Calm | Calm | AM | Wind Direction | Easterly / North East | Easterly / North East | Easterly / North East | East | East |
| ENE | ENE | ESE | WNW | ESE | ESE | WNW | PM | | | | | | |

| Rainfall (mm) in last year (2020) | Rainfall (mm) from 01/01/21 to till dated | Rainfall (mm) from 01/06/21 to till dated | Rainfall (mm) in last week |
|-----------------------------------|---|---|----------------------------|
| 4860.0 | 11.6 | 0.0 | 2.2 |

General Weather conditions in forthcoming 5 days: In Sindhudurg district, the rainfall is likely to remain dry for the next five days between 16th to 20th January, 2021. The maximum temperature is increase and minimum temperatures is decrease by a few degrees also the humidity is likely to decrease and the weather is likely to remain dry and mainly clear. This forecast has been made by the Regional Meteorological Center, Mumbai.

Warning: No rain warning has been issued by the Regional Meteorological Center, Mumbai for the next five days in Sindhudurg district.

General Advisory: To control hoppers, white fly and aphids of Chilli, Brinjal and Tomato, need based spaying of Dimethoate 15 ml or Malathion 20 ml/ 10 litres of water is suggested.

SMS Advisory: To prevent fruit drop in mango, spray "Amrashakti" at the rate of 1 liter per 19 liters of water is sufficient for four trees.

Weather Forecast Based Agro-Advice

| Name of Crop | Growth Stage | Crop specific Advisory |
|--------------|------------------------|---|
| Mango | Bud Brusting | Due to the prevailing cloudy weather, mango growers need to be especially vigilant to prevent the incidence of various pests. At present, the new flush in mango are become mature and the mango crop is in the stage of bud bursting. However, due to cloudy weather, mango growers need to be vigilant against the outbreak of hopper, shoot borer pest and powdery mildew disease. For their control if required spraying of 20% quinolphos 20 ml Or 20 per cent carbaryl WSP Spray 20 gm or 50% Profenofos 10 ml + Carbendazim 10 gm or 80% water soluble sulfur 20 gm per 10 liters of water on the whole plant. Spray 1% Carbendazim (10 gm in 10 liters of water) as required for control in case of infestation of mango anthracnose disease due to untimely rains, increased humidity and cloudy weather. In the district the incidence of thrips may be observed on bud bursting stage of mango trees due to change in weather conditions. For their control application of 45 per cent Spinosad 2.5 ml per 10 litres of water is suggested. As per the recommendation of the University, spraying of "Amrashakti" a liquid fertilizer for enhancement of fertilization @ 1 liter/19 litres of water on the inflorescence is advocated. A solution of 19 litres should be sprayed on 4 trees. |
| Cashew nut | Flowering to Fruit set | The bloom in the cashew is in the stage of maturation. Considering the possibility of fruiting in the next few days and the possibility of cloudy weather, cashew growers need to be vigilant against infestation of Tea mosquito bug and Thrips on flower and apple. However, it is necessary to protect the cashew nuts flowers and apples from Tea mosquito bug and Thrips. In case of infestation, liquid monocrotophos 36% 15 ml is used for control Or lambda cyhalothrin 5% 6 ml. Or Profenofos 50% EC 10 ml. Per 10 liters. Spray with water. |
| Coconut | Fruit Development | Consider the fall in temperature and decrease in humidity in the next 5 days, the rate of evaporation is likely to increase in the next 5 days Coconut seedlings should be watered at intervals of 8 to 10 days. For control of Red palm weevil in coconut, fill the holes made by RPW with 10 per cent Carbaryl dust and sand mixture. Prepare a slanting hole with the help of screw drill about 1 m height from ground level on tree trunk and pour about 20 ml of 36 WSC Monocrotophos with the help of plastic funnel in the hole and close the hole with the help of cement |
| Arecanut | Fruit Development | Consider the fall in temperature and decrease in humidity in the next 5 days, the rate of evaporation is likely to increase in the next 5 days Arecanut seedlings should be watered at intervals of 8 to 10 days. The second installment of fertilizer to the betel nut should be given in the month of December to January for which 160 g urea and 125 g muriate of potash should be given. |
| Banana | - | For control of bunchy top disease in banana, cut the diseased plants along with the rhizomes and destroy them. Use disease free |

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| | | rhizomes at the time of planting. If the attack of banana aphids is noticed apply Dimethoate @ 15 ml per 10 litres of water three times at 15 days interval. |
| Wayangani Rice | Seedling | In rabbi rice, maintain the water level 2-3 cm for first 8-10 days and increase the level up to 5 cm. If the incidence of rice leaf folder is observed on the rice crop, then need based spraying with Monocrotophos 12 ml per 10 litres of water is recommended. If the incidence of rice leaf folder is observed on the rice crop, then need based spraying with Quinolphos 25% EC @ 2 ltr. or Trizophos 40% EC @ 625 ml or Lamda cyhalothrin 5% EC @ 250ml per 500 litres of water is recommended. |
| Groundnut | Seedling | The interval between irrigation should be 15 to 20 days during the growing period of groundnut crop. |
| Horse gram | Branching | Consider the possibility of cloudy weather in the next 5 days, there is a possibility of infestation of aphids and leaf-eating larvae on Horse gram crop. For control, spray 15 ml of dimethoate per 10 liters of water on the crop. Horsegram does not need water if there is ample amount of residual moisture present in soil. However, in low moisture soils, the crop should be watered twice during flowering and pod filling period. If more water is given than required, the crop will not flower and only branch growth will continue. Excessive use of water should be avoided for this. |
| Cowpea | Branching | Considering the possibility of cloudy weather in the next 5 days, there is a possibility of infestation of aphids and leaf-eating larvae on Cowpea crop. For control, spray 15 ml of dimethoate per 10 liters of water on the crop. Cowpea does not need water if there is ample amount of residual moisture present in soil. However, in low moisture soils, the crop should be watered twice during flowering and pod filling period. If more water is given than required, the crop will not flower and only branch growth will continue. Excessive use of water should be avoided for this. |
| Kadva Wal | Branching | The soil must have moisture in all stages of crop growth. The crop should be watered twice during flowering and grain filling. Excess water causes branching and decreases yield. |
| Dairy Animals | - | As the minimum temperature drops at night, the animals should be covered with gunny bags at night to protect them from the cold. |
| Poultry | | For protection of poultry birds from cold and cold winds during night, provide curtain/clothing from outside of poultry shed. Provide proper heat to small chicks of poultry with the help of electric bulbs. |
| This Agro Advisory Bulletin (AAB) is prepared and published with the consolation and recommendation of SMS committee of "Gramin Krishi Mausam Sewa (GKMS)", Regional Fruit Research Station, Vengurle and College of Horticulture, Mulde Dr. B.S.Konkan Krishi Vidyapeeth, Dapoli 416 520 (MS). | | |
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