



Agromet Advisory Service Bulletin for Ratnagiri District
(Issued jointly by GKMS, Dr. B.S. Konkan Krishi Vidyapeeth,
& Regional India Meteorological Department, Mumbai)
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No. 90/2020

Date: 10/11/2020

Duration – 5 days

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| Significant past weather for the preceding week (Period –04/11/2020 to 10/11/2020) | | | | | | | Weather Parameters | Weather forecast until 08.30 hrs of 15/11/2020 | | | | |
|---|-------|-------|-------|--|-------|-------|----------------------------|---|-------|-------|-------|-------|
| 04/11 | 05/11 | 06/11 | 07/11 | 08/11 | 09/11 | 10/11 | | 11/11 | 12/11 | 13/11 | 14/11 | 15/11 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| 34.1 | 33.5 | 32.6 | 33.0 | 33.8 | 33.1 | 32.2 | Maximum temperature (°C) | 36 | 35 | 36 | 36 | 35 |
| 17.1 | 17.5 | 15.0 | 14.0 | 19.5 | 17.0 | 12.8 | Minimum temperature (°C) | 21 | 21 | 22 | 23 | 24 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | Cloud cover (Octa) | 0 | 2 | 5 | 3 | 2 |
| 92 | 92 | 84 | 92 | 80 | 87 | 90 | Relative Humidity Max. (%) | 59 | 58 | 76 | 80 | 74 |
| 43 | 44 | 42 | 54 | 51 | 44 | - | Relative Humidity Min. (%) | 34 | 34 | 46 | 53 | 48 |
| 1.8 | 1.6 | 1.7 | 2.3 | 3.0 | 2.1 | 2.0 | Wind speed (Km/hr) | 9 | 11 | 8 | 7 | 7 |
| Calm | Calm | Calm | Calm | Calm | Calm | Calm | Wind direction | ENE | ENE | ENE | E | E |
| Rainfall (mm) in last week | | | | Rainfall (mm) from 01/01/2020 to till dated | | | | Total Rainfall (mm) in last year | | | | |
| 0.0 | | | | 4137.5 | | | | 5130.9 | | | | |

Weather summary

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| Weather forecast | As per the forecast received from Regional Meteorological Centre Mumbai, there is possibility of increase in maximum and minimum temperature from 11 th to 15 th November, 2020 also possibility of partly cloudy weather from 13 th to 14 th November, 2020 over Ratnagiri district. |
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| Crop | Stage | Agromet Advisory based on weather forecast |
|-----------------------|------------------------------------|--|
| General advice | - | <ul style="list-style-type: none"> Due to increase in rate of evaporation, provide irrigation to irrigated fruit crops, nurseries and vegetable crops. |
| Kharif rice | Maturity | <ul style="list-style-type: none"> Sun dry the threshed grain for 2 to 3 days before storage. |
| Finger millet | Maturity | <ul style="list-style-type: none"> Sun dry the threshed grain for 2 to 3 days before storage. |
| Cowpea | Land preparation and Sowing | <ul style="list-style-type: none"> Plough the field for cultivation of cowpea and incorporate FYM or compost @ 2 tonnes/acre at the time of last ploughing. prepare check basin of 4 X 3 m size leaving furrow of 30 cm for irrigation between alternate two beds. Sow seed at a spacing of 30 X 15 cm. Apply 65 gms urea, 450 gms single Super Phosphate and 80 gms of muriate of potash per check basin before sowing. Konkan sadabahar and Konkan safeda are the varieties recommended by D.B.S.K.K.V., for cultivation in Konkan region. Use 6-8 kg seed /acre. Treat the seed with Thiram fungicide @3 gm/kg or Trichoderma 5 gms/kg and with Rhizobium and PSB biofertilizers @ 25 gms per kg of seed before sowing. |
| Groundnut | Land preparation | <ul style="list-style-type: none"> For cultivation of groundnut, carryout ploughing operation and incorporate 2 tonnes/acre FYM or compost at the time of ploughing. Konkan gaurav, Konkan trombe tapora, Konkan bhuratna, T.G. 26, S.B. 11, T.A.G.-24 and Phule pragati are the varieties recommended by D.B.S.K.K.V., for cultivation in Konkan region. Use 40-50 kg seed/acre. For cultivation of groundnut on transparent polythene mulch, carryout ploughing operation and prepare raised bed of a top width of 60 cm and 5-7 cm height leaving 30 cm distance on either side of bed. Incorporate 4 to 6 tonne/ acre well decomposed FYM at the time of bed preparation. |
| Mango | Flower bud initiation | <ul style="list-style-type: none"> Variation in temperature leads to favorable weather for flower induction in mango. To protect the inflorescence from pest and powdery mildew diseases, as per mango blossom protection schedule recommended by university, spray Lambda cyhalothrin 5%EC @ 6 ml + hexaconazole @ 5 ml or wettable Sulphur 80% @ 20 gm per 10 liter in water at the time of flower bud opening stage. Also due to cloudy weather for protection against anthracnose disease, spray carbendazim 12% + mancozeb 63% combination fungicide @ 10 gm per 10 liter in water. Provide irrigation to re-established orchard those disturb due to Nisarg cyclone. Also thin excess shoot by keeping 3 to 5 shoots. Situation of clear sky and increase in temperature may leads to accelerate evaporation, hence provide irrigation to newly planted mango orchard @ 30 liters of water at 7 days interval (1 years old), 15 days interval (2 years old) and one-month interval to 3 years old tree. New growth below graft union should be removed regularly. |
| Cashewnut | Flowering | <ul style="list-style-type: none"> There is congenial weather situation of flower bud opening in cashewnut, to protect |

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| | | <p>the cashew inflorescence from tea mosquito bug and thrips incidence, spray Profenophos 50% EC @10 ml per 10 liter of water. (The insecticide is not under label claim).</p> <ul style="list-style-type: none"> • To improve fruit setting and production of cashewnut, take 2nd spray of 10 PPM ethrel at the flowering stage. • Situation of clear sky and increase in temperature may leads to accelerate evaporation, hence provide irrigation to newly planted cashewnut orchard @ 15 liters of water at 15 days intervals. New growth below graft union should be removed regularly. |
| Coconut | Fruiting | <ul style="list-style-type: none"> • Due to clear sky and increase in temperature accelerate evaporation, provide irrigation to coconut orchard at 8-10 days interval. • To control the attack of red palm weevil on coconut, collect and destroy the grubs from whole appear on infected trunk. Apply bordopaste to infected portion. Install pheromone trap 2 nos. per hectare in orchard. |
| Arecanut | Fruiting | <ul style="list-style-type: none"> • Due to clear sky and increase in temperature accelerate evaporation, provide irrigation to arecanut orchard at 6-8 days interval. |
| Chilli | Vegetative | <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 management spray 10% cow urine and Azadirachtin 10000 PPM @ 3 ml per liter of water, alternatively at an interval of 7 days after transplanting. Install blue sticky trap in field. |
| <p>This Agro Advisory Bulletin (AAB) is prepared and published with the consultation and recommendation of SMS committees of “Gramin Krishi Mausam Sewa (GKMS)” Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli. For more information contact nearby SAU research station or Agriculture officers of Agriculture Department, Maharashtra state.</p> | | |