



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. 37/2020

Date: 08/05/2020

Duration – 5 days

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| Significant past weather for the preceding week (Period –02/05/2020 to 08/05/2020) | | | | | | | Weather Parameters | Weather forecast until 08.30 hrs of 13/05/2020 | | | | |
|---|-------|-------|-------|-------|-------|-------|--|---|-------|-------|-------|-------|
| 02/05 | 03/05 | 04/05 | 05/05 | 06/05 | 07/05 | 08/05 | | 09/05 | 10/05 | 11/05 | 12/05 | 13/05 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | Rainfall (mm) | 0 | 0 | 12 | 10 | 11 |
| 34.2 | 34.0 | 35.0 | 33.2 | 34.0 | 34.0 | 35.0 | Maximum temperature (°C) | 35 | 36 | 36 | 36 | 36 |
| 23.5 | 23.5 | 22.5 | 22.0 | 22.5 | 19.0 | 22.0 | Minimum temperature (°C) | 27 | 27 | 28 | 28 | 27 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | Cloud cover (Octa) | 3 | 3 | 2 | 4 | 4 |
| 87 | 86 | 89 | 86 | 83 | 88 | 87 | Relative Humidity Max. (%) | 81 | 72 | 80 | 76 | 78 |
| 56 | 55 | 61 | 60 | 55 | 56 | - | Relative Humidity Min. (%) | 34 | 32 | 29 | 33 | 34 |
| 5.3 | 5.8 | 6.7 | 5.4 | 6.2 | 5.8 | 5.3 | Wind speed (Km/hr) | 5 | 5 | 5 | 4 | 7 |
| W | SW | Calm | Calm | W | SW | NW | Wind direction | W | SW | SE | ESE | SE |
| Rainfall (mm) in last week | | | | | | | Rainfall (mm) from 01/01/2020 to till dated | Total Rainfall (mm) in last year | | | | |
| 1 | | | | | | | 2.2 | 5130.9 | | | | |

Agro-met Advisory

There is possibility of moderate rainfall from 11th to 13th May 2020 at isolated places and also possibility of increase in maximum and minimum temperature and sky remain partly cloudy.

| Crop | Stage | Agro Advise |
|--|-------------------------|--|
| Precaution to be taken by farmers due to Covid-19 | -- | <ul style="list-style-type: none"> In case of manual field operations of harvesting/ picking, accomplish the operation in 4-6 feet spaced strips assigning one strip to one person. This will ensure adequate spacing between the engaged labour. All the persons engaged should use masks and ensure hand washing with soap at reasonable intervals. Maintain safe distance of 4-6 feet during rest, taking of meals, transfer of produce at collection point, loading/unloading. All machines should be sanitized at the entry point and at regular intervals. All transport vehicles, gunny bags or other packaging material should also be sanitized. In hotspot areas of Covid-19, it is advised to use spray of 1% Sodium Hypochloride to sanitize the all machineries at the entry point and at regular interval, further it is also advised to sanitize transport vehicles, gunny bags and other packaging materials. While carrying out field operations related to nutrient sprays and crop protection adequate precautions in handling of inputs, mixing, delivery and washing of equipment is to be undertaken. Follow the standard safety measures during the visit to market for the purchase of inputs/sale of produce |
| Value addition of Fruits | -- | <ul style="list-style-type: none"> Due to the lockdown in the view of outbreak of Covid-19 (Corona), farmers are facing difficulties in marketing of perishable farm produce. To reduce the loss of perishable fruits, it is suggested to go for value addition by processing the fruits. In this connection it is possible to make pickle and chutney from unripe mango fruits, fried chips and leather from jackfruits, syrup from available cashew apples, pickle, chutney, and syrup from Karonda fruits, amsul, syrup and agal from ripe kokum, syrup from jamun fruits. Detail flow chart for preparation of vale added product is available in farmers corner on university website (www.dbskkv.org). |
| Kharif rice | Land preparation | <ul style="list-style-type: none"> Start the land preparation operation for kharif season and expose soil to sun which will help in controlling weeds effectively. Procure the rice seed as per requirement for kharif season. Ratnagiri-1, Ratnagiri-2, Ratnagiri-3, Ratnagiri-7, Karjat-3 and Karjat -5 for bold seeded, Ratnagiri-4, Ratnagiri-5, Ratnagiri-6, Ratnagiri-24, Phondaghat-1 also Sahyadri, Sahyadri-2. Sahyadri-3, Sahyadri-4 and Sahyadri-5 hybrid varieties, for fine seeded, Karjat-4 is for very fine seeded categories are recommended by Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli for cultivation in Konkan region during Kharif. Recommended seed rate for paddy is 20 to 24 kg acre⁻¹ for bold varieties, 14 to 16 kg acre⁻¹ for fine varieties and 8 kg acre⁻¹ for hybrid varieties. For availability of seeds and planting materials, please contact to University seed department tel.no. 8275013396 during office hours. |
| Mango | Fruiting | <ul style="list-style-type: none"> Due to forecast for moderate rain from 11th to 13th May,2020, harvest the mature mango |

| | | |
|--|-----------------|--|
| | | <p>fruits before 10 hours in the morning with the help on Nutan mango harvester at 80 to 85% maturity. Keep the harvested fruits in shade to prevent development of spongy tissue disease and protect from heat. Do not spray any insecticides/fungicides 15 days before harvesting of mango fruits.</p> <ul style="list-style-type: none"> • To prevent incidence of post-harvest diseases such as fruit rot on mango fruits, place the fruits in hot water of 52°C for 10 minutes and then keep for ripening. Use C.F.B. (corrugated fiber box) for packing developed by B. S. Konkan Krishi Vidyapeeth, Dapoli. Transport of harvested fruits should be done preferably during night hours. • Collect and destroy all fruit fly and fruit borer infected fallen fruits regularly and keep mango orchard clean. • Due to increase in rate of evaporation, provide irrigation to newly planted mango orchard. • There is possibility of incidence of Stem borer in mango tree. Grubs tunnels in the sapwood on the trunk and branches and results into wilting of branches or entire tree. Observe the mango orchard regularly for pest infestation. If the incidence is noticed, remove the grubs from the holes and pour solution of Chloropyriphos 20 EC @ 10 ml + 50 ml Kerosene into hole and seal the hole. |
| Mango High density planting | -- | <ul style="list-style-type: none"> • After complete harvest of mango fruits from high density (5 X5 m or 6 X 4 m) orchard, go for light pruning. It includes detopping, pruning of cross branches and removing of dead wood. The height of high-density orchard should be maintained at 80% of row distance. |
| Cashewnut | Fruiting | <ul style="list-style-type: none"> • Due to increase in rate of evaporation, provide irrigation to newly planted cashewnut orchard. • Clean cashewnut orchard by removing all diseased and dried branches to maintain good sanitation in orchard. Apply bordopaste on cut portion of tree. |
| Coconut | -- | <ul style="list-style-type: none"> • Due to forecast for increase in temperature and decrease in humidity, provide irrigation to coconut orchard at 5-6 days interval also use straw mulch to reduce evaporation losses. • For control of eriophyid mite on coconut, neem-based insecticide neemazal 5% @ 7.5 ml be mixed in equal quantity of water apply through root feeding three times in year (during month of October-November, January to February and April to May). Harvesting is avoided at least 45 days after treatment. In addition to this spray neem-based insecticide (nemazal) 1% @4 ml per liter of water on bunch of nuts. Collect and destroy all infected inflorescence and nuts before spraying. |
| Arecanut | -- | <ul style="list-style-type: none"> • Due to forecast for increase in temperature and decrease in humidity, provide irrigation to arecanut orchard at 4-5 days interval also use straw mulch to reduce evaporation losses. • Clean the arecanut orchard by removing dry leaves and infected inflorescence to maintain good sanitation in orchard. |
| Milch animals | -- | <ul style="list-style-type: none"> • There is possibility of increase in temperature hence Provide clean, hygienic and plenty amount of drinking water to farm animals • To protect animals from heat, sprinkle cold water on animals during the afternoon, it will help to maintain the body temperature. • To reduce the stress of heat in farm animals, provide roughages by mixing with solution of 1% gaggery and 0.5% salt separately. • There is forecast for increase in temperature, hence protect animals from heat by covering roof of the shed with insulating materials such as paddy straw, dry coconut leaves and make arrangement for sprinkle cold water on the roof of shed during afternoon time. Use wet gunny bags as side curtains to protect animals from direct hot winds. • For protection of farm animals from external parasites such as ticks, maintain sanitation in farm shed and for control spray deltamethrin 2 ml/liter of water on to the body of animal under guidance of veterinarian. |
| <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> | | |