



Agromet Advisory Service Bulletin for Ratnagiri District
(Issued jointly by IAAS, Dr. B.S. Konkani Krishi Vidyapeeth,
& Regional India Meteorological Department, Mumbai)
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Duration – 5 days

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| Significant past weather for the preceding week (Period –09/10/2019 to 15/10/2019) | | | | | | | Weather Parameters | Weather forecast until 08.30 hrs of 20/10/2019 | | | | |
|---------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|------------------------------------------------|---------------------------------------------------|-------|-------|-------|-------|
| 09/10 | 10/10 | 11/10 | 12/10 | 13/10 | 14/10 | 15/10 | | 16/10 | 17/10 | 18/10 | 19/10 | 20/10 |
| 0.4 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Rainfall (mm) | 7 | 10 | 25 | 18 | 24 |
| 32.0 | 31.0 | 31.5 | 31.6 | 32.0 | 32.2 | 33.8 | Maximum temperature (°C) | 37 | 37 | 37 | 33 | 33 |
| 23.0 | 22.5 | 22.5 | 23.2 | 22.6 | 22.0 | 23.6 | Minimum temperature (°C) | 25 | 25 | 24 | 23 | 23 |
| 0 | 6 | 2 | 0 | 4 | 2 | 0 | Cloud cover (Octa) | 5 | 7 | 8 | 8 | 8 |
| 93 | 91 | 93 | 96 | 96 | 93 | 83 | Relative Humidity Max. (%) | 82 | 85 | 87 | 90 | 92 |
| 74 | 67 | 69 | 73 | 74 | 59 | - | Relative Humidity Min. (%) | 55 | 56 | 61 | 77 | 80 |
| 1.5 | 1.3 | 1.3 | 1.2 | 1.1 | 1 | 0.3 | Wind speed (Km/hr) | 10 | 7 | 7 | 7 | 6 |
| Calm | Calm | Calm | Calm | Calm | Calm | Calm | Wind direction | ENE | E | E | E | E |
| Rainfall (mm) in last week | | | | | | | Rainfall (mm) from 01/01/2019 to till dated | Total Rainfall (mm) in last year | | | | |
| 0.0 | | | | | | | 4994.1 | 3071.8 | | | | |

Agro-met Advisory

There is possibility of light to moderate rainfall from 16th to 20th October, 2019 at isolate places also possibility of increase in maximum temperature and sky will be cloudy.

Extended range rainfall forecast for Konkani division for the period from 18th to 24th October, 2019 is above normal. According to NDVI, Agriculture vigour is moderate and according to SPI, severely wet condition experienced in Ratnagiri district.

| Crop | Stage | Agro Advise |
|--------------------------------|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Kharif rice | Grain filling to maturity stage | <ul style="list-style-type: none"> Maintain 5 cm level of water in rice field where late rice varieties are in grain filling stage and drain out water from the field where mid-late rice varieties are in maturity stage. There is forecast of light to moderate rain, hence by observing rainfall situation harvest matured early rice varieties in morning hours only with 'Vaibhav sickle' near to ground level and follow immediate threshing, the threshed grains should be sun dry for 2 to 3 days before storage. There is possibility of incidence of army worm in early rice varieties, hence by observing rainfall situation harvest matured early rice varieties. |
| Mango | Vegetative | <ul style="list-style-type: none"> Due to forecast for increase in temperature, provide irrigation to young mango graft either by conventional or with drip irrigation method also apply straw or black polythene mulch around tree. In high density (5X5 m or 6X4 m) mango orchard, carryout pruning operation, it includes detopping, pruning of cross branches and removing of dead wood. The height of tree in high density orchard should be maintained at 80% of row distance. In old mango orchard, carryout centre opening operation which increase penetration of sunlight and result in increase in flowering. Due to increase in temperature and humidity, there is possibility of incidence of hoppers, midge fly and shoot borer on vegetative flush of mango to protect the flush of mango, spray Lambda cyhalothrin 5%EC @ 6ml or Quinalphos 25%EC@25 ml per 10 liter of water. |
| Cashewnut | Vegetative | <ul style="list-style-type: none"> Clean cashew orchard by removing all dried, weak, disease infected and dead branches, apply bordopaste on cut portion. Due to forecast for increase in temperature, provide irrigation to young cashew graft either by conventional or with drip irrigation method also apply straw or black polythene mulch around tree also new growth below graft union should be removed regularly from young cashew graft. Due to increase in temperature and humidity, there is possibility of incidence of tea mosquito bug and thrips on vegetative flush of cashewnut to protect the flush of cashew, spray Monocrotophos 36%SL @ 15 ml or Lambda cyhalothrin 5% EC @ 6 ml per 10 liter of water. |
| Coconut | Fruiting | <ul style="list-style-type: none"> Due to increase in temperature, provide irrigation to coconut orchard. |
| Areacnut | Fruiting | <ul style="list-style-type: none"> Due to forecast of increase in temperature, provide irrigation to areacnut orchard. |
| Vegetables crop nursery | Sowing | <ul style="list-style-type: none"> For raising of vegetable nursery for rabi season, cultivate the land when it is at field capacity condition and then prepare raised bed of 3m length x 1 m breadth x 15cm height. Apply 5 kg FYM, 35gm urea, 100gm single super phosphate and 25gm muriate of potash per sq. m. For protection of seedlings from wilt disease, drench nursery bed with 1% bordomixture before 3-4 days of sowing. Before sowing, treat the seed with Thiram or Captan fungicide 3 grams per kg of seed. For the cultivation of watermelon, carryout primary tillage operation. Follow sowing on ridges |

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| | | <p>and furrow having spacing of 2.0 X 0.50 m. apply 1.5 kg FYM, 11g urea, 32 g single super phosphate and 10 g muriate of potash per vine and for hybrid varieties apply 2 kg FYM, 20g urea, 32 g single super phosphate and 17 g muriate of potash per vine at the time of sowing. Before sowing, treat the seed with Thiram or Captan fungicide 3 grams per kg of seed for protection of seedlings from wilt disease.</p> <ul style="list-style-type: none"> • Provide irrigation to fruit crop and vegetable nursery. |
| Poultry | - | <ul style="list-style-type: none"> • Protect poultry birds from increasing temperature. |
| <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> | | |