



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 –07/08/2019 to 13/08/2019) | | | | | | | Weather Parameters | Weather forecast until 08.30 hrs of 18/08/2019 | | | | |
|---|-------|-------|-------|-------|-------|-------|--|---|-------|-------|-------|-------|
| 07/08 | 08/08 | 09/08 | 10/08 | 11/08 | 12/08 | 13/08 | | 14/08 | 15/08 | 16/08 | 17/08 | 18/08 |
| 98.6 | 28.4 | 36.6 | 32.2 | 5.8 | 28.8 | 14.8 | Rainfall (mm) | 47 | 54 | 41 | 41 | 25 |
| 26.6 | 26.7 | 27.0 | 27.0 | 28.0 | 28.2 | 28.4 | Maximum temperature (°C) | 30 | 29 | 28 | 28 | 29 |
| 24.6 | 24.5 | 24.5 | 25.0 | 25.0 | 25.0 | 24.5 | Minimum temperature (°C) | 25 | 25 | 25 | 24 | 24 |
| 6 | 6 | 6 | 6 | 4 | 4 | 4 | Cloud cover (Octa) | 8 | 8 | 6 | 5 | 6 |
| 98 | 92 | 98 | 98 | 90 | 98 | 97 | Relative Humidity Max. (%) | 94 | 93 | 94 | 94 | 93 |
| 96 | 95 | 93 | 92 | 92 | 86 | - | Relative Humidity Min. (%) | 79 | 83 | 85 | 84 | 82 |
| 11.2 | 10.0 | 9.5 | 10.0 | 10.3 | 4.2 | 2.6 | Wind speed (Km/hr) | 9 | 14 | 12 | 9 | 5 |
| E | W | W | SW | W | W | W | Wind direction | 275 | 245 | 233 | 240 | 205 |
| Rainfall (mm) in last week | | | | | | | Rainfall (mm) from 01/01/2019 to till dated | Total Rainfall (mm) in last year | | | | |
| 242.2 | | | | | | | 3397.3 | 3071.8 | | | | |

Agro-met Advisory

There is possibility of moderate rainfall from 14th to 18th August, 2019 and wind velocity range on 5 to 14 km/h from 14th to 18th August, 2019.

Extended range rainfall forecast for Konkan division for the period of 9th to 15th August, 2019 is below normal.

| Crop | Stage | Agro Advise |
|----------------------|-------------------|--|
| Kharif rice | Tillering | <ul style="list-style-type: none"> Due to intermittent rainfall and cloudy weather condition, there is possibility of incidence of blue beetle and caseworm on low land rice, hence observe crop regularly for infestation of pest. Alter the stagnated water with fresh water after every 2-3 days. Maintain water level of 5 cm in the field. If incidence of blue beetle is noticed on rice crop, spray Quinalphos 25% EC @ 40 ml or Triazophos 40%EC@ 12.5 ml or Lambda cyhalothrin 5%EC @ 5 ml per 10 liter of water. If incidence of rice case worm is noticed on rice crop, then flood the field with water followed by dragging the rope to dislodge the cases and drain out water from field after 1-2 hrs. Collect the cases and destroy then maintain the water level of 5 cm in the field with fresh water. <p>Note: mix stickers in insecticidal solution at the time of spraying.</p> <ul style="list-style-type: none"> Apply second split dose of nitrogenous fertilizers urea @ 87 kg/ha to rice crop at tillering stage after weeding when intensity of rainfall is low. Maintain the optimum water level of 5cm in the rice field. Due to forecast of moderate to heavy rainfall, there may be intermittent rainfall and cloudy weather condition will cause for incidence of brown plant hopper in lowline area where stagnation of water is observed. hence observe crop regularly for infestation of pest. If incidence of brown plant hopper is observed above threshold level (5-10 hopper/hill), spray Acephate 75%WP @ 2.25 g or Fipronil 5% SC @ 2 ml or Imidacloprid 17.8% SL @ 0.2 ml per liter of water. Make provision for replacing stagnated water with fresh water for every 2-3 days. Precaution should be taken to spray the insecticide on stem of rice plant. |
| Finger millet | Tillering | <ul style="list-style-type: none"> Apply second split dose of nitrogenous fertilizers urea @ 87 kg/ha to finger millet at tillering stage after weeding, when intensity of rainfall is low. |
| Mango | Vegetative | <ul style="list-style-type: none"> Apply paclobutrazol (cultural) for regular flowering in mango trees of 10 years old and above. Measure average diameter of canopy of the tree and apply cultural @ 3 ml per meter diameter (e.g. If east-west diameter of the plant is 5 m and North – South diameter is 7 m then average will be 6 m. So far 6 x 3 = 18 ml. will be the quantity of cultural. This quantity of paclobutrazol be mixed in 3 to 5 litre of water per tree and applied in 25 to 30 holes, 10 to 12 cm deep around the tree basin with help of kudali or crowbar just inside the manuring ring at uniform distance. Then uniform quantity of solution be drenched into holes, followed by closing or plugging of holes with soil. Before application weeds be removed. <p>Note: Apply Paclobutrazol when intensity of rainfall is low.</p> |
| Cashewnut | Vegetative | <ul style="list-style-type: none"> For above 4-year-old cashewnut tree apply 40 kg FYM, 2 kg urea, 1.5 kg single super phosphate and 500 g muriate of potash per tree by digging circular ring just inside the spread of tree and fill the circular ring with soil after application of fertilizer. Apply 1/4th, 1/2 and 3/4th of above mentioned fertilizers dose per tree for 1,2 and 3-year-old cashew plantation, respectively. <p>Note: Apply fertilizers when the intensity of rainfall is low.</p> |
| Coconut | Vegetative | <ul style="list-style-type: none"> Give earthing up in newly planted coconut orchard and keep orchard weed free. There is possibility of incidence of bud rot disease due to heavy rain, if incidence noticed spray |

| | | |
|--|-------------------|--|
| | | <p>coconut plant with 1% bordomixture.</p> <ul style="list-style-type: none"> • Clean old coconut orchard by removing all dried leaves and other dead waste to maintain good sanitation in orchard. There is possibility of bud rot due to heavy rain, if incidence noticed spray 1% bordomixture on to the crown region. |
| Arecanut | Vegetative | <ul style="list-style-type: none"> • For 3-year-old arecanut palm apply 1st split dose of 10 kg F.Y.M./compost alongwith 12 kg green manures + 160 g urea + 500 g single super phosphate + 125 g muriate of potash per tree by digging circular ring about 1 meter from base of tree and fill the circular ring with soil after application of fertilizer. Apply 1/3rd and 2/3rd of abovementioned fertilizers dose per tree for 1 and 2-years old arecanut plantation, respectively. • For minimizing fruit cracking in arecanut, apply 600g micro nutrients (60 g Boron, 300 g Zinc, 60g Manganese, 120 g Iron and 30g Copper) <p>Note: Apply fertilizers when the intensity of rainfall is low.</p> |
| Vegetable crops | Vegetative | <ul style="list-style-type: none"> • Install 'Rakshak' trap @ 4 nos. per ha in cucurbitaceous crop when it is in flowering for effective control of fruit fly. |
| <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> | | |