



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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Duration – 5 days

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| Significant past weather for the preceding week (Period –23/05/2020 to 29/05/2020) | | | | | | | Weather Parameters | Weather forecast until 08.30 hrs of 03/06/2020 | | | | |
|---|-------|-------|-------|--|-------|-------|----------------------------|---|-------|-------|-------|-------|
| 23/05 | 24/05 | 25/05 | 26/05 | 27/05 | 28/05 | 29/05 | | 30/05 | 31/05 | 01/06 | 02/06 | 03/06 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | Rainfall (mm) | 0 | 0 | 6 | 80 | 29 |
| 34.2 | 33.0 | 34.2 | 34.4 | 34.0 | 34.4 | 34.3 | Maximum temperature (°C) | 35 | 34 | 34 | 33 | 33 |
| 22.5 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.5 | Minimum temperature (°C) | 27 | 26 | 25 | 24 | 24 |
| 2 | 2 | 2 | 2 | 2 | 4 | 4 | Cloud cover (Octa) | 2 | 7 | 8 | 8 | 8 |
| 83 | 85 | 86 | 82 | 85 | 83 | 81 | Relative Humidity Max. (%) | 88 | 87 | 87 | 90 | 87 |
| 60 | 58 | 59 | 66 | 64 | 67 | - | Relative Humidity Min. (%) | 49 | 49 | 51 | 64 | 64 |
| 7.2 | 6.4 | 6.5 | 5.7 | 5.5 | 5.4 | 6.2 | Wind speed (Km/hr) | 10 | 10 | 6 | 5 | 14 |
| Calm | Calm | Calm | Calm | Calm | Calm | Calm | Wind direction | NW | NNW | WNW | ENE | SE |
| Rainfall (mm) in last week | | | | Rainfall (mm) from 01/01/2020 to till dated | | | | Total Rainfall (mm) in last year | | | | |
| 0.0 | | | | 8.2 | | | | 5130.9 | | | | |

Agro-met Advisory

There is possibility of light to moderate rainfall from 1st to 3rd June, 2020 and sky remain cloudy.

| Crop | Stage | Agro Advise |
|---|---|---|
| Precautionary measure regarding dessert locust | | <ul style="list-style-type: none"> • Prepare big trenches around the field to restrict the entry of locust in field. • Create smoke during night hours in the area where locust take rest on shrubs. • Spray neem based insecticide azadirachtin 1500 PPM @ 30 ml or 5% neem extract per 10 liter of water as a precautionary measure. • Prepare bait using rice husk mixing insecticide fipronil 5%SC @3 ml per 20 kg of rice husk and place in different area in the field. • If severe incidence of locust observed, spray any one of insecticide recommended by Central insecticide board, which includes chlorpyrifos 20%EC @ 24ml, chlorpyrifos 50%EC @ 10 ml, deltamethrin 2.8 %EC @ 10 ml, fipronil 5%SC@ 2.5ml, lambda cyhalothrin 5%EC @ 10 ml per 10 liter of water. Spray the insecticide during late night or early in the morning on the bushes where locusts are gathered. |
| Kharif rice | Land preparation for nursery | <ul style="list-style-type: none"> • There is forecast of rainfall from 1st to 3rd June,2020, it is advise to go for sowing of rice nursery. • The farmers are advise to give 3% brine solution treatment to the seed those who are using their own reserved seed for preparing rice nursery. Prepare 3% brine solution by mixing of 300 gms of common salt in 10 liters of water while preparing solution take care that it will be sufficient to dip all quantity of seed in solution. Remove the chaffy seeds that float on water and collect the rice seeds which settle at bottom of the bucket. Wash it with clean water for 3 to 4 times and shed dry for 48 hrs. Follow seed treatment with thiram fungicide @2.5/kg seed before sowing. • Apply 1 kg urea and 3 kg SSP and 0.8 kg of MOP per guntha on nursery bed at the time of sowing. Sow the seeds in row 7-8 cm apart and at 1-2 cm depth and cover with soil. • To reduce weed intensity, apply oxadiagyl 6% EC @ 3 ml. per liter of water uniformly on wet nursery beds. |
| Finger millet | Land preparation for nursery | <ul style="list-style-type: none"> • For raising finger millet nursey select the well drain soil. plough the nursery area and bring the soil to fine tilth, add FYM@250 kg per guntha area. Prepare raised bed of 120 cm. breadth at bottom and 90 cm. on top along the slope of land. Convenient length of raised bed should be kept according to the land slope. • Recommended seed rate for finger millet is 2 to 2.5 kg per acre. Prepare nursery on 4 guntha area to transplant seedlings on 1acre area. • Dapoli-1, Dapoli safed-1 (Konkan safed-1) and Dapoli-2 finger millet varieties are recommended by Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli for cultivation in Konkan region during Kharif. |
| Mango | -- | <ul style="list-style-type: none"> • Clean mango orchard by removing all lorathus and dried branches to maintain good sanitation in orchard. if lorathus infestation is large the cut the infested branch and apply bordopaste on cut portion of tree. • Due to increase in rate of evaporation, provide irrigation to newly planted mango orchard. |
| Coconut | -- | <ul style="list-style-type: none"> • For control of rhinoceros beetle, clean coconut orchard by removing all dried leaves and other dead waste to maintain good sanitation. Since breeding of the pest occur in FYM |

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| | | <p>pits, hence dust the FYM pits near to orchard with chlorpyrifos 1.5% powder at 2 months interval. Extract the adult beetle from infected palm crown using GI hooks and fill this infected crown with 25 gms of chlorpyrifos 1.5% powder and sand mixture in 1:1 proportion. Also install the pheromone traps into orchard.</p> <ul style="list-style-type: none"> • Due to increase in rate of evaporation, provide irrigation to coconut orchard. |
| Areca nut | -- | <ul style="list-style-type: none"> • Clean the areca nut orchard by removing dry leaves and infected inflorescence to maintain good sanitation in orchard. spray 1 % bording mixture on to crown region. Repeat the spray 3 to 4 time at interval of one month. • Due to increase in rate of evaporation, provide irrigation to areca nut orchard. |
| Okra | Land preparation | <ul style="list-style-type: none"> • For cultivation of okra crops, select well drain fertile soil. prepare land with help of plough and cultivator. mix 6 tonnes / acre of well decomposed FYM in soil at the time of land preparation. prepare ridges and furrow at 60 cm. |
| Milch animals | -- | <ul style="list-style-type: none"> • There is possibility of increase in temperature, provide adequate quantity of clean and cold water to farm animals for drinking and wash the pregnant buffalo daily. • For pregnant farm animals, provide 2.5 kg Concentrate + 15 to 20 kg green fodder + 5 to 7 kg roughages per day and for milking farm animals, provide 1 to 1.5 kg Concentrate + 15 to 20 kg green fodder + 4 to 5 kg roughages per day. |
| Poultry | -- | <ul style="list-style-type: none"> • For boiler poultry bird 1st three week provide boiler starter and 4 to 6 week old bird provide boiler finisher as per their daily requirement. Also for reducing the cholesterol content, feed the birds with 1.5% black jeera powder or 0.5% turmeric powder or 1% ginger powder along with feed. • There is possibility of increase in temperature, hence in poultry shed, increase the water pot and provide adequate and clean water for drinking. Also, feed should be given in the morning or evening hours. |
| <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> | | |