

**Agromet Advisory Service Bulletin for Ratnagiri District**
(Issued jointly by IAAS, Dr. B.S. KonkankrishniVidyapeeth, & Regional India Meteorological Department, Mumbai)**Dr. Subhash Chavan,**
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9422065344**Significant past weather for the preceding week**
(Period –25/05/2018 to 29/05/2018)

| | |
|---------------------------------|-----------|
| Rainfall (mm): | 0.0 |
| Total Rainfall (mm): | 6.0 |
| Total Rainfall (mm) (last year) | 3633.5 |
| Maximum temperature (°C) | 33.4-35.0 |
| Minimum temperature (°C) | 22.5-24.5 |
| Morning RH (%) | 87-98 |
| Afternoon RH (%) | 68-70 |
| Wind Speed (km/hr): | 4.0-7.9 |
| Total cloud cover (Octa) | 2-6 |

Weather forecast until 08.30 hrs of 03/06/2018

| PARAMETERS | Day-1 | Day-2 | Day-3 | Day - 4 | Day - 5 |
|----------------------------|-------|-------|-------|---------|---------|
| | 30/05 | 31/05 | 01/06 | 02/06 | 03/06 |
| Rainfall (mm) | 12 | 13 | 10 | 0 | 0 |
| Maximum temperature (°C) | 33 | 34 | 34 | 33 | 33 |
| Minimum temperature (°C) | 27 | 28 | 28 | 27 | 26 |
| Total cloud cover (Octa) | 8 | 8 | 8 | 4 | 6 |
| Relative Humidity Max. (%) | 67 | 66 | 66 | 67 | 68 |
| Relative Humidity Min. (%) | 85 | 84 | 84 | 85 | 87 |
| Wind Speed (Km/hr) | 012 | 003 | 009 | 006 | 003 |
| Wind Direction | 295 | 219 | 149 | 116 | 154 |

: Agro-met Advisory:**It is possibility rainfall of 30th May to 1st June, 2018. Sky will be cloudy from 30th May to 3rd June, 2018. Wind velocity range from 3 to 12 kmph from 30th May to 3rd June, 2018.**

| Crop | Crop Stage | Agromet Advisory |
|-------------------------------|---------------------------------|---|
| Rice | Field preparation | <ul style="list-style-type: none"> For preparation of rice nursery plough the area & bring the soil to fine tilth and mixed 1 kg. FYM per sq.mt. area. Prepare raised bed of 120 cm. breadth at bottom and 90 cm. on top along the slope of plant. Convenient length of raised bed should be kept according to the slope of land. Apply 1 kg. urea and 3 kg. SSP per guntha at the time of sowing. |
| Groundnut | Harvesting | <ul style="list-style-type: none"> Harvest the mature pods and dry them in sunshine for 4 to 5 days and store them in dry place. |
| Mango and Cashew | Fruit Development Harvesting | <ul style="list-style-type: none"> Harvest the mature mango fruits before 10 hours in the morning and after 16 hours in the evening with the help on Nutan mango harvester at 80 to 85% maturity. Keep the harvested fruits in shade to prevent spongy tissue disease and from heat. To avoid post harvest disease infection on fruits, dip the harvested fruits immediately after harvest in the warm water (52° C) for 10 minutes and dry it in shade. For ripening of harvested mango fruits dip it in solution of 6.5 gm. Ethrel in 10 lit. of water for 5 minutes and dry it in shade. Packing of mango fruits in C.F.B. (corrugated fiber box) developed by B. S. Konkankrishni Vidyapeeth, Dapoli is advised. Transport of harvested fruits should be done preferably during night hours. Don not apply any insecticides/fungicides 8 days before harvesting of mango fruits. There is possibility of incidence of stem borer on cashew nut and mango plants on onset of monsoon. Use light trap for collection of stem borer and destroy the collected insects by dipping in insecticide solution. It incidence of stem borer is noticed in orchards remove infected portion with the help on 15 mm. chisel and destroyed grub. Prepare solution of Chloropyriphos (20 EC) @ 5 ml. per liter of water and apply it to infected portion. Pour the Chloropyriphos (20 EC) @ 10 ml. + 15 ml. kerosene in the hole prepared by stem borer. Due to the predation of rainfall of there is possibility of incidence of Mango fruit fly, install 'Rakshak fruit fly traps' developed by University @ 4 traps per ha. area. For new plantations of Mango and Cashew, clean the area. For mango dig the pits of 1 x 1 x 1 m size at the distance of 10 x 10 m (5 x 5 m for high density planting for mango) and pits of 0.6 x 0.6 x 0.6 m size at the distance of 7 x 7 m, re-filled the pits with mixture of soil, 20 to 30 kg of FYM or Compost and 2 kg single super phosphate. |
| Coconut, Arecanut | -- | <ul style="list-style-type: none"> As there is increase in average temperature, irrigation should be given to coconut orchard at 5-6 days interval and for arecanut orchard at 4-5 days interval. For control of adults and grubs of rhinoceros beetle, dust 2 % Methyl parathion powder after every 2 month interval in FYM pits. To control red palm weevil affected coconut, prepare a slanting hole with the help of screw drill about 1 m height from ground level on tree trunk and pour about 20 ml of 36 % Monocrotophos or 20% Chlorphyriphos with the help of plastic funnel in the hole and close the hole with the help of cement. Clean the arecanut plant by removing dry leaves and other material and spray 1 % bordomixture to control 'koleroga' disease. Select feeding root of arecanut plant then take slant cut to the tip of the root. Prepare 0.3 % solution of Foseryl – Al by mixing 3 gm. per liter. Fill the two plastics bags with 100 ml. above prepare solution and dip the above selected roots in to the plastics bag ensuring the cut portion will always remain in the solution. Tie the bag to the roots. For new plantations of Coconut and Arecanut, clean the area. For coconut dig the pits of 1 x 1 x 1 m. size at the distance of 7.5 x 7.5 m for cashew and arecanut pits of 0.6 x 0.6 x 0.6 m. size at the distance of 2.7 x 2.7 m re-filled the pits with mixture of soil, 20 to 30 kg of FYM or Compost and 2 kg single super phosphate. |
| Vegetable crop | Fruiting Stage | <ul style="list-style-type: none"> If incidence of hopper, aphids and thrips on vegetable crops viz., brinjal, tomato, cabbage, chilli, knol knol etc., is noticed spray Malathion @ 20 ml or Dimethoate @ 12 ml per 10 liter of water. Cucurbitaceous vegetables are in fruit bearing stage, install of Rakshak fruit fly traps developed by University @ 4 traps per ha area is advocated to control fruit fly in vegetables garden. |
| Goats/ Milch animals/ Poultry | -- | <ul style="list-style-type: none"> Provide clean and hygienic drinking water and nutritious fodder and concentrates to farm animal. Provide 1 to 1.5 kg concentrate + 15 to 20 kg green fodder + 4 to 5 kg roughages per day for milch animals. Young goats provide 3 to 4 kg green fodder + 2 to 2.5 kg dry fodder + 300 g concentrate,. Protect the animals from afternoon heat. Keep good aeration in animal shed. 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. |
| Suggestion | -- | <ul style="list-style-type: none"> Contact nearby SAU Scientists or State Agril. Dept. for detail control measures against incidence of pest and diseases under adverse weather conditions. |