

**Agromet Advisory Service Bulletin for Ratnagiri District**
(Issued jointly by IAAS, Dr. B.S. KonkankrishnVidyapeeth, & Regional India Meteorological Department, Mumbai)**Dr. Subhash Chavan,**
Head,
Department of Agronomy
9422431067**Dr. Vijay More,**
Nodal Officer,
Department of Agronomy
9422374001**Prof. Viresh Chavan,**
Technical Officer,
Department of Agronomy
9422065344**Significant past weather for the preceding week**
(Period –23/07/2018 to 27/07/2018)

| | |
|---------------------------------|-----------|
| Rainfall (mm): | 15.2 |
| Total Rainfall (mm): | 2187.0 |
| Total Rainfall (mm) (last year) | 3633.5 |
| Maximum temperature (°C) | 27.5-29.0 |
| Minimum temperature (°C) | 23.5-24.5 |
| Morning RH (%) | 94-98 |
| Afternoon RH (%) | 89-98 |
| Wind Speed (km/hr): | 8.4-10.0 |
| Total cloud cover (Octa) | 4-6 |

Weather forecast until 08.30 hrs of 01/08/2018

| PARAMETERS | Day-1 | Day-2 | Day-3 | Day - 4 | Day - 5 |
|----------------------------|-------|-------|-------|---------|---------|
| | 28/07 | 29/07 | 30/07 | 31/07 | 01/08 |
| Rainfall (mm) | 8 | 6 | 6 | 9 | 8 |
| Maximum temperature (°C) | 29 | 29 | 29 | 30 | 30 |
| Minimum temperature (°C) | 25 | 25 | 25 | 25 | 25 |
| Total cloud cover (Octa) | 7 | 7 | 7 | 6 | 5 |
| Relative Humidity Max. (%) | 83 | 84 | 83 | 84 | 83 |
| Relative Humidity Min. (%) | 74 | 74 | 74 | 76 | 75 |
| Wind Speed (Km/hr) | 013 | 013 | 011 | 011 | 012 |
| Wind Direction | 219 | 230 | 235 | 240 | 246 |

: Agro-met Advisory:**It is possibility rainfall of 28th July to 1st August, 2018. Sky will be cloudy from 28th July to 1st August, 2018. Wind velocity range from 11 to 13 kmph from 28th July to 1st August, 2018.**

| Crop | Crop Stage | Agromet Advisory |
|---|--------------------------|---|
| Fingermillet | | <ul style="list-style-type: none"> Use 30 days old seedling for transplanting. Transplant seedlings at spacing of 20x15 cm. by 'Thomba' method. Prepare Thomba across the slope. Apply 40 kg N and 40 kg P₂O₅ per ha at the time & planting and apply fertilizers in 'Thomba' |
| Rice | Field preparation | <ul style="list-style-type: none"> Due to prediction of less rainfall maintain optimum water level in the rice field by proper bunding. For controlling the crabs from rice field, cook rice from 1 kg of raw rice and add insecticide Acephate 75 WP @ 75 gm or Carbaryl 50 WP @ 100 gm and make 100 arecanut size balls and keep them in each crab burrow and close it with wet mud. On the next day if some of the burrows are found open, again use the same procedure. Due to the prediction of less rainfall there is a possibility for incidence of blue beetle, if it is noticed; spray Quinalphos 25% EC @ 2 lit. or Triazophos 40% EC @ 625 ml or lambda-cyhalothrin 5% EC @ 250 ml in 500 lit. of water per hectore. Give 2nd dose of Nitrogen 40 kg/ha to rice crop after one month of transplanting. |
| Mango and Cashew | Planting | <ul style="list-style-type: none"> Apply paclobutrazol (cultar/coltar) for regular flowering, fully developed mango trees of 10 years old and above. Measure average diameter of canopy of the tree and apply cultar @ 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 cultar. This quantity of paclobutrozol be mixed in 3 to 5 lits. of water 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. Paclobutrazol application be avoided during heavy rainy days. |
| Coconut, Arecanut | -- | <ul style="list-style-type: none"> For 5 year old coconut palm apply 30 kg F.Y.M./compost alongwith 750 g urea + 3.000 kg single super phosphate + 2.000 kg muriate of potash. Spraying the FYM pits with 0.2 % Carbaryl for control of adults and grubs of rhinoceros beetle. To control red palm weevil affected coconut, fill the holes made by RPW with 10 per cent Carbaryl dust and sand mixture. 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. For 3 year old arecanut palm apply 1 kg F.Y.M./compost alongwith 12 kg green manures + 160 g urea + 500 g single super phosphate + 125 g muriate of potash. Prepare water channels to drain out excess water from coconut and arecanut garden during rainy season. Apply osety AL 0.3% (30 g/10 lit. water) + Urea Suphala 111 briquettes or Fosety AL 0.3% (30 g/10 lit. water) + Annapurana 76 briquettes per arecanut palm to avoid fungal immature fruit drop in coconut and Koleroga disease (immature nut drop) in arecanut. <p>Note:- Apply fertilizer during when the intensity of rainfall is low.</p> |
| Vegetable and Fruit crop nursery | -- | <ul style="list-style-type: none"> Proper support should be given to cucurbitaceous crops. Apply fist one third dose of urea @ 720 g to 870 gm per R area to vegetable crops. Due to the prediction less rainfall provide irrigation to mango, cashew etc. nurseries. |
| 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. |