



**Agromet Advisory Service Bulletin for Ratnagiri District**  
(Issued jointly by IAAS, Dr. B.S. Konkan Krishi Vidyapeeth,  
& Regional India Meteorological Department, Mumbai)  
(02358) 282387



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Duration – 5 days

**Dr. Ashokkumar Chavan,**  
Head,  
Department of Agronomy  
9422373396

**Dr. Vijay More,**  
Nodal Officer,  
Department of Agronomy  
9422374001

**Dr. Shital Yadav,**  
Technical Officer,  
Department of Agronomy  
8379901160

Significant past weather for the preceding week (Period –11/05/2019 to 17/05/2019)							Weather Parameters	Weather forecast until 08.30 hrs of 22/05/2019				
11/05	12/05	13/05	14/05	15/05	16/05	17/05		18/05	19/05	20/05	21/05	22/05
0.0	0.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
33.4	33.2	33.5	32.6	32.7	33.9	33.0	Maximum temperature (°C)	34	35	36	36	35
21.5	21.9	23.3	21.1	20.5	21.0	21.2	Minimum temperature (°C)	26	27	27	26	26
0	0	0	0	0	0	0	Cloud cover (Octa)	0	0	0	0	1
77	78	80	78	80	78	78	Relative Humidity Max. (%)	74	61	63	83	88
58	64	63	59	60	59	-	Relative Humidity Min. (%)	29	26	23	27	35
6.3	7.0	6.0	5.8	6.1	7.3	6.4	Wind speed (Km/hr)	11	11	9	7	5
Calm	Calm	Calm	Calm	Calm	Calm	Calm	Wind direction	163	123	182	210	249
Rainfall (mm) in last week						Rainfall (mm) from 01/01/2019 to till dated		Total Rainfall (mm) in last year				
0.0						0.0		3071.8				

Agro-met Advisory

There will be increase in maximum and minimum temperature from 18<sup>th</sup> to 22<sup>nd</sup> May, 2019. Sky will be clear from 18<sup>th</sup> to 22<sup>nd</sup> May, 2019.  
According to NDVI, Agriculture vigour is moderate and according to SPI, mildly dry condition experienced in Ratnagiri district.

Crop	Stage	Agro Advise
Kharif rice	Nursery preparation	<ul style="list-style-type: none"> <li>For preparation of rice nursery plough the area add FYM@1 kg per Sq.mt area and bring the soil to fine tilth. 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.</li> </ul>
Groundnut	Maturity	<ul style="list-style-type: none"> <li>Harvest the mature pods and dry them in sunshine for 4 to 5 days and store them in dry place.</li> </ul>
Mango	Fruiting	<ul style="list-style-type: none"> <li>Harvest the mature 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 immediately which will help to reduce spongy tissue. Keep the harvested fruits in shade to prevent from heat and spongy tissue.</li> <li>To prevent incidence of post harvest diseases on fruits, place the fruits in hot water of 52°C for 10 minutes and then keep for ripening. Use C.F.B. (corrugated fiber box) for packing developed by B. S. Konkan Krishi Vidyapeeth, Dapoli. Transport of harvested fruits should be done preferably during night hours. Do not spray any insecticides/fungicides 8 days before harvesting of mango fruits.</li> <li>For control of fruit fly incidence, install 'Rakshak fruit fly trap' developed by University @ 4 traps per hectare. Collect and destroy fallen fruits and keep orchard clean.</li> </ul>
Mango and Cashewnut	-	<ul style="list-style-type: none"> <li>There is forecast for increase in temperature and decrease in afternoon relative humidity, provide irrigation to newly planted mango and cashew orchard at interval of 4 to 5 days.</li> <li>There is possibility of incidence of stem borer on cashew nut and mango plants on onset of monsoon. If incidence of stem borer is noticed in orchards remove infected portion with the help on 15 mm. chisel and destroyed grub. Prepare solution of Chlorpyriphos 20% EC @ 5 ml. per liter of water and apply it to infected portion. Pour the Chlorpyriphos 20%EC @ 10 ml. + 50 ml. kerosene in the hole prepared by stem borer.</li> </ul>
Arecanut	-	<ul style="list-style-type: none"> <li>There is forecast for increase in temperature and decrease in afternoon relative humidity, provide irrigation to arecanut orchard at interval of 4 to 5 days.</li> <li>For control of 'koleroga' disease in Arecanut, select feeding root of Arecanut plant and take slant cut to the tip of the root. Prepare 0.3 % solution of Fosetyl – 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.</li> </ul>
Coconut	-	<ul style="list-style-type: none"> <li>There is forecast for increase in temperature and decrease in afternoon relative humidity, provide irrigation to coconut orchard at interval of 5 to 6 days.</li> </ul>
Vegetables/ Fruit crop nursery	Nursery	<ul style="list-style-type: none"> <li>For nursery of brinjal, chilli and tomato vegetables crops, 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. Sow the vegetable seed if irrigation facility is available. Treat the seed with thiram fungicide @ 3 gm/kg of seed before sowing. To protect the seedling from incidence of wilt disease, drenching of 1% bordomixture 3 to 4 days before sowing on nursery bed is suggested.</li> <li>There is forecast for increase in temperature and decrease in afternoon relative humidity, provide sufficient irrigation to fruit crop nursery.</li> </ul>
Milch animal /goat/poultry	-	<ul style="list-style-type: none"> <li>Provide clean, hygienic and plenty amount of drinking water to farm animals and poultry birds. To reduce the stress of heat in farm animals, provide roughages by mixing with solution of 1% jaggery and 0.5% salt separately.</li> <li>There is forecast for increase in temperature, hence protect animals and poultry birds from heat by covering roof of the shed with insulating materials such as paddy straw, dry coconut leaves and make arrangement for sprinkle cold water on the roof of shed during afternoon time. Use wet gunny bags as side curtains to protect animals and poultry birds from direct hot winds.</li> <li>Vaccination against Black Quarter disease in farm animals under supervision of veterinary officers is advocated.</li> </ul>

**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.**