



Agromet Advisory Service Bulletin for Ratnagiri District
(Issued jointly by IAAS, 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 –27/03/2019 to 02/04/2019)							Weather Parameters	Weather forecast until 08.30 hrs of 07/04/2019				
27/03	28/03	29/03	30/03	31/03	01/04	02/04		03/04	04/04	05/04	06/04	07/04
0.0	0.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
38.0	35.0	34.2	32.0	34.0	33.6	34.0	Maximum temperature (°C)	33	34	35	34	35
23.0	22.0	19.5	21.0	20.5	18.6	19.5	Minimum temperature (°C)	23	23	24	24	23
0	0	0	0	0	0	0	Cloud cover (Octa)	0	0	1	0	0
90	90	88	88	88	87	88	Relative Humidity Max. (%)	72	69	79	80	79
72	63	63	60	62	59	58	Relative Humidity Min. (%)	47	46	50	59	51
5.1	5.1	4.5	4.8	4.6	4.5	4.5	Wind speed (Km/hr)	14	10	9	11	9
Calm	Calm	Calm	Calm	Calm	Calm	Calm	Wind direction	316	312	190	117	308
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 3rd to 7th April 2019. It is wind velocity range on 9 to 14 from 3rd to 7th April, 2019.

Crop	Stage	Agro Advise
Summer rice	Panicle development	<ul style="list-style-type: none"> Rice crop is in panicle development stage hence maintaining optimum water level of 10 cm. in the field.
Groundnut	Pod development	<ul style="list-style-type: none"> Provide irrigation to groundnut crop when crop is in pod filling stage.
Mango	Fruiting (Arecanut to egg stage)	<ul style="list-style-type: none"> There is possibility for incidence of powdery mildew disease on mango, if incidence is noticed spray Hexaconazole 5% @ 5 ml or wettable Sulphur 80% @ 20 gm per 10 liter of water. There is possibility of incidence of thrips on the fruits of mango, if incidence is noticed spray Spinosad 45% SC @ 2.5 ml or Thiamethoxam 25% WG @ 2 gram per 10 liter of water. (insecticide is not under label claim) To protect the mango fruit from the incidence of fruit fly, install ‘Rakshak fruit fly trap’ developed by University @ 4 traps per hectare. Provide irrigation to newly planted mango orchard @ 30 liters of water twice in week (1 years old), twice in 15 days interval (2 years old) and twice in month (3 years old). New growth below graft union should be removed regularly.
Cashewnut	Fruiting and maturity	<ul style="list-style-type: none"> If nuts are ready for harvesting, harvest the mature nuts and dry in the sun for 7 to 8 days to bring down the moisture content. Prepare different processed product from cashew apple as per recommended by Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli. Use straw or polythene mulch in cashew orchard to reduce evaporation losses. Provide irrigation to newly planted cashew orchard @ 15 liters of water once in week. New growth below graft union should be removed regularly.
Coconut	-	<ul style="list-style-type: none"> Due to increase in rate of evaporation, provide irrigation to coconut orchard at 5 to 6 days interval. Provide support and shade to newly planted coconut orchard.
Arecanut	-	<ul style="list-style-type: none"> Due to increase in rate of evaporation, provide irrigation to arecanut orchard at 4 to 5 days interval.
Vegetables/ Fruit crop nursery	flowering	<ul style="list-style-type: none"> Apply second split dose of nitrogen 72 kg urea ha⁻¹ to summer okra after one month of sowing. Due to increase in rate of evaporation, provide irrigation regularly to fruit crop nursery, new planted fruit crops and vegetable crops. Keep the nursery areas clean by removing weeds also provide shed to nursery seedlings.
Milch animal /goat/poultry	-	<ul style="list-style-type: none"> Provide clean, hygienic and plenty amount of drinking water to farm animals and poultry birds. To protect animals from heat, sprinkle cold water on animals during the afternoon, it will help to maintain the body temperature. To reduce the stress of heat in farm animals, provide roughages by mixing with solution of 1% gaggery and 0.5% salt separately. Clean the water tank once in 15 days. and apply lime inside the tank which help to prevent the algae development and help to supply clean water enriched with calcium. 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. Vaccination against foot and mouth disease in farm animals and Ranikhet disease in poultry birds under supervision of veterinary officers is advocated.
<p align="center">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.</p> <p align="center">For more information contact nearby SAU research station or Agriculture officers of Agriculture Department, Maharashtra state.</p>		