



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 –16/03/2019 to 22/03/2019)							Weather Parameters	Weather forecast until 08.30 hrs of 27/03/2019				
16/03	17/03	18/03	19/03	20/03	21/03	22/03		23/03	24/03	25/03	26/03	27/03
0.0	0.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
34.8	34.5	32.0	32.2	33.2	32.4	31.2	Maximum temperature (°C)	32	33	33	34	34
14.0	14.1	13.5	13.0	13.0	14.5	12.0	Minimum temperature (°C)	19	20	20	20	21
0	0	0	0	0	0	0	Cloud cover (Octa)	0	0	0	2	3
79	89	89	91	89	90	88	Relative Humidity Max. (%)	62	56	65	68	72
45	45	59	58	55	45	54	Relative Humidity Min. (%)	41	45	40	47	53
4.3	4.0	4.2	3.7	4.5	5.2	4.5	Wind speed (Km/hr)	18	14	5	6	11
Calm	Calm	Calm	Calm	Calm	Calm	Calm	Wind direction	328	253	190	167	180
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

It is wind velocity range on 5 to 18 km/h from 23rd to 27th March, 2019.
According to NDVI, Agriculture vigour is moderate in Ratnagiri district.

Crop	Stage	Agro Advise
Groundnut	Pod development	<ul style="list-style-type: none"> There is possibility for incidences of rust in groundnut, if incidence is notice, take a spray 0.25% Mancozeb, if required repeat spray at an interval of 15 days. Irrigate the groundnut crop at an interval of 8-10 days.
Mango	Fruiting (Marble to Arecanut stage)	<ul style="list-style-type: none"> For increasing the production and quality of fruits of mango, spray 1 % Potassium nitrate at pea stage, marble stage and arecanut size fruit stage. Due to variation in temperature there is possibility of fruit drop of mango hence, provide irrigation for alphonso mango @ 150 to 200 lit. of water at fortnight interval for 3 to 4 times to reduce fruit drop and increase the size of fruits. Also use straw mulch to reduce evaporation. The pre-harvest bagging with butter paper or newspaper bag at marble stage increases the fruit weight, pulp weight, produce spongy tissue free fruit, controls attack of fruit fly on fruits and produces spotless fruits of mango. Provide support to newly planted mango graft, as there is forecast of high wind velocity. Provide irrigation to newly planted mango orchard also use straw or polythene mulch to reduce evaporation losses.
Cashewnut	Fruiting and harvesting	<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. Provide support to newly planted cashew graft, as there is forecast of high wind velocity. Provide irrigation to newly planted cashew orchard also use straw or polythene mulch to reduce evaporation losses.
Coconut	-	<ul style="list-style-type: none"> Due to increase in maximum temperature, 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 maximum temperature, provide irrigation to arecanut orchard at 4 to 5 days interval.
Vegetables/ Fruit crop nursery	Fruiting	<ul style="list-style-type: none"> For control of incidence of thrips in summer okra, apply phorate 10G @ 10 kg ha⁻¹ by mixing into the soil around plant. Destroy all infected shoots and leaves. Install yellow sticky traps in to field. If the incidence of white flies, aphids, hoppers are noticed on tomato, brinjal, chilli etc. vegetable crops, spray malathion 20 ml or Dimethoate 15 ml per 10 liters of water at 10 to 15 days interval. Provide irrigation to fruit crop nursery, vegetable crops. Keep the nursery area 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. There is possibility for increase in temperature during day hence protect animals and poultry birds from heat. Vaccination against Ranikhet disease in poultry birds under the supervision of veterinary officer is advocated.

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.