



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 –12/04/2019 to 18/04/2019)							Weather Parameters	Weather forecast until 08.30 hrs of 23/04/2019				
12/04	13/04	14/04	15/04	16/04	17/04	18/04		19/04	20/04	21/04	22/04	23/04
0.0	0.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
32.8	33.0	34.2	35.0	34.8	33.0	33.6	Maximum temperature (°C)	35	38	36	36	38
23.5	22.0	21.0	23.0	23.5	23.0	16.0	Minimum temperature (°C)	23	22	24	24	26
2	2	2	2	6	4	4	Cloud cover (Octa)	0	1	0	0	0
90	90	89	92	92	89	91	Relative Humidity Max. (%)	77	81	80	79	65
50	56	55	50	54	52	50	Relative Humidity Min. (%)	18	24	26	27	24
5.6	5.7	5.1	5.4	5.4	5.7	6.4	Wind speed (Km/hr)	9	4	4	6	8
Calm	Calm	Calm	Calm	Calm	Calm	Calm	Wind direction	146	109	124	132	137
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 19th to 23rd April 2019. It is wind velocity rage on 8 to 9 km/h from 19th and 23rd April, 2019.
According to NDVI, Agriculture vigour is moderate and according to SPI, mildly wet condition experienced in Ratnagiri district.

Crop	Stage	Agro Advise
Groundnut	Pod development and maturity	<ul style="list-style-type: none"> When groundnut crop grown on mulch will show maturity sign like 70-80% of the pods develop blackish streak inside the shell and the kernels are plump with original seed colour develop on the kernel, Uproot the plant when there is enough moisture in the soil. Strip off the pods from the plant and dry in the sun for 4 to 5 days.
Mango	Fruiting (Egg to maturity stage)	<ul style="list-style-type: none"> Due to forecast for reducing humidity and increase in temperature, 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. 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. 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. 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	New plantation	<ul style="list-style-type: none"> Clean cashewnut orchard by removing all diseased and dried branches to maintain good sanitation. Provide irrigation to newly planted cashew orchard @ 15 liters of water once in week. New growth below graft union should be removed regularly.
Coconut	Fruiting	<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.
Sapota	Flowering and Fruiting	<ul style="list-style-type: none"> Due to increase in rate of evaporation, provide irrigation to sapota orchard at 5 to 6 days interval also use straw mulch to reduce evaporation.
Vegetables/ Fruit crop nursery	Fruiting	<ul style="list-style-type: none"> To control the incidence of white flies in summer okra, place yellow sticky cards @ 8 per acre in field. There is possibility of incidence of shoot and fruit borer on okra, if incidence is noticed spray cypermethrin 25%EC @ 3ml or Lambda cyhalothrin 5%EC @ 6ml per 10 liter of water. Due to increase in rate of evaporation, provide irrigation regularly to fruit crop nursery, new planted fruit crops and vegetable crops.
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 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. In poultry shed, increase the water pot and provide adequate and clean water for drinking. Also, feed should be given in the morning or evening hours.

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.