



**Agromet Advisory Service Bulletin for Ratnagiri District**  
(Issued jointly by GKMS, 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 –11/04/2020 to 17/04/2020)							Weather Parameters	Weather forecast until 08.30 hrs of 22/04/2020				
11/04	12/04	13/04	14/04	15/04	16/04	17/04		18/04	19/04	20/04	21/04	22/04
0	0	0	0	0	0	0	Rainfall (mm)	0	5	6	6	4
34.0	35.4	35.0	35.0	35.0	34.0	33.0	Maximum temperature (°C)	34	34	33	34	34
20.5	23.5	22.5	22.5	21.0	22.5	22.5	Minimum temperature (°C)	26	25	24	25	25
0	6	2	2	2	0	2	Cloud cover (Octa)	1	2	3	2	3
91	90	92	93	87	93	90	Relative Humidity Max. (%)	86	75	71	63	61
52	55	53	50	54	53	-	Relative Humidity Min. (%)	36	32	30	30	28
4.3	4.4	4.2	4.7	4.4	4.4	5.1	Wind speed (Km/hr)	2	4	4	5	3
Calm	Calm	Calm	Calm	Calm	Calm	Calm	Wind direction	S	SE	ESE	E	S
Rainfall (mm) in last week							Rainfall (mm) from 01/01/2020 to till dated	Total Rainfall (mm) in last year				
0.0							0.0	5130.9				

**Agro-met Advisory**

There is possibility of light rainfall from 19<sup>th</sup> to 22<sup>nd</sup> April, 2020 and also possibility of increase in maximum and minimum temperature and sky remain partly cloudy.

Crop	Stage	Agro Advise
Precaution to be taken by farmers due to Covid-19		<ul style="list-style-type: none"> <li>In case of manual field operations of harvesting/ picking, accomplish the operation in 4-6 feet spaced strips assigning one strip to one person. This will ensure adequate spacing between the engaged labour.</li> <li>All the persons engaged should use masks and ensure hand washing with soap at reasonable intervals.</li> <li>Maintain safe distance of 4-6 feet during rest, taking of meals, transfer of produce at collection point, loading/unloading.</li> <li>All machines should be sanitized at the entry point and at regular intervals. All transport vehicles, gunny bags or other packaging material should also be sanitized.</li> <li>In hotspot areas of Covid-19, it is advise to use spray of 1% Sodium Hypochloride to sanitized the all machineries at the entry point and at regular interval, further it is also advise to sanitize transport vehicles, gunny bags and other packaging materials.</li> <li>While carrying out field operations related to nutrient sprays and crop protection adequate precautions in handling of inputs, mixing, delivery and washing of equipment is to be undertaken.</li> <li>Follow the standard safety measures during the visit to market for the purchase of inputs/sale of produce.</li> </ul>
Groundnut	Pod development to maturity	<ul style="list-style-type: none"> <li>Groundnut crop grown on mulch shows 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.</li> </ul>
Mango	Fruiting	<ul style="list-style-type: none"> <li>Due to forecast for light rainfall from 19<sup>th</sup> to 22<sup>nd</sup> April, 2020, harvest the mature mango fruits by observing rainfall situation 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. Keep the harvested fruits in shade to prevent spongy tissue disease and from heat. Withhold irrigation one month before fruit are ready for harvesting. Do not spray any insecticides/fungicides 15 days before harvesting of mango fruits.</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.</li> <li>In area of district received rainfall leads to increase in humidity and also prevailing cloudy weather condition favors incidence of anthracnose disease on fruits of mango, for protection of mango fruits from incidence of anthracnose, spray Thiophanate methyl @ 10 g or Carbendazim 12% + Mancozeb 63% @ 10 g per 10 liter of water.</li> <li>There is forecast of light rainfall from 19<sup>th</sup> to 22<sup>nd</sup> April, 2020, hence to protect the egg size mango fruits from raindrop, cover the fruits with paper bag. Care should be taken that avoid injury to fruit stalk while bagging fruits with paper bag.</li> </ul>

		<ul style="list-style-type: none"> <li>To protect the mango fruits from the incidence of fruit fly, install “Rakshak fruit fly trap” developed by University @ 4 traps per hectare. Collect and destroy fallen fruits and keep orchard clean.</li> <li>Due to forecast for increase in temperature and decrease in humidity, 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).</li> <li>For new plantation of Mango, keep the planting area clean.</li> </ul>
<b>Cashewnut</b>	<b>Fruiting</b>	<ul style="list-style-type: none"> <li>Due to forecast for light rainfall from 19<sup>th</sup> to 22<sup>nd</sup> April, 2020 hence by observing rainfall, harvest the matured nuts and sun dry for 7 to 8 days to bring down moisture content and then stored in dry places. Prepare different processed product from cashew apple as per recommended by Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli.</li> <li>Due to forecast for increase in temperature and decrease in humidity, provide irrigation to newly planted cashew orchard @ 15 liters of water once in week. also use straw or polythene mulch in cashew orchard to reduce evaporation losses.</li> <li>There is possibility of incidence of Cashew Stem and Root Borer (CSRB) in Cashewnut crop. If the incidence is noticed, remove the grubs from the holes with the help of 15 mm chisel and apply Chloropyriphos 20 EC @ 5 ml per liter of water on the stem (swabbing).</li> <li>For new plantation of cashewnut, keep the planting area clean.</li> </ul>
<b>Coconut</b>	--	<ul style="list-style-type: none"> <li>Due to forecast for increase in temperature and decrease in humidity, provide irrigation to coconut orchard at 5-6 days interval also use straw mulch to reduce evaporation losses.</li> </ul>
<b>Arecanut</b>	--	<ul style="list-style-type: none"> <li>Due to forecast for increase in temperature and decrease in humidity, provide irrigation to arecanut orchard at 4-5 days interval also use straw mulch to reduce evaporation losses.</li> </ul>
<b>Vegetable crops</b>	<b>Fruiting</b>	<ul style="list-style-type: none"> <li>Due to forecast for light rainfall from 19<sup>th</sup> to 22<sup>nd</sup> April, 2020, there is possibility of incidence of sucking pests such as thrips, hoppers aphids etc. on brinjal, chilli, tomato and okra vegetable crops. If rainfall occur then for control of sucking pest, spray Dimethoate 30%EC @ 15 ml or malathion 50%EC @20 ml per 10 liters of water. Also for control of anthracnose disease spray Mancozeb 20 gm per 10 liter of water.</li> </ul>
<b>Milch animals</b>	-	<ul style="list-style-type: none"> <li>There is possibility of increase in temperature hence Provide clean, hygienic and plenty amount of drinking water to farm animals</li> <li>To protect animals from heat, sprinkle cold water on animals during the afternoon, it will help to maintain the body temperature.</li> <li>To reduce the stress of heat in farm animals, provide roughages by mixing with solution of 1% gaggery and 0.5% salt separately.</li> <li>There is forecast for increase in temperature, hence protect animals 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 from direct hot winds.</li> </ul>
<b>Poultry</b>	-	<ul style="list-style-type: none"> <li>There is possibility of increase in temperature, hence 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.</li> <li>There is forecast for increase in temperature, hence protect 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 poultry birds from direct hot winds.</li> </ul>
<p><b>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.</b></p>		