



# AGROMET ADVISORY SERVICE BULLETIN FOR RATNAGIRI DISTRICT

(Issued jointly by GKMS, Dr. B.S. Konkani Krishi Vidyapeeth,  
& India Meteorological Department)



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Duration – 5 days

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Significant past weather for the preceding week (Period –03/02/2021 to 09/02/2021)							Weather Parameters	Weather forecast until 08.30 hrs of 14/02/2021				
(Source: Agromet observatory, Dept of Agronomy, College of Agril, Dapoli)								(Source: Regional Meteorological Centre, Mumbai)				
03/02	04/02	05/02	06/02	07/02	08/02	09/02		10/02	11/02	12/02	13/02	14/02
0.0	0.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
33.7	33.8	33.0	31.6	34.2	34.3	33.7	Max.Temp. (°C)	37	38	38	38	37
12.9	12.1	12.3	11.9	12.4	11.0	10.0	Min.Temp. (°C)	22	22	23	24	23
6	0	0	0	0	0	0	Cloud cover (Octa)	0	3	3	3	0
93	93	93	87	90	82	88	Max. RH (%)	67	67	70	72	72
46	46	41	40	41	52	-	Min. RH (%)	36	38	39	40	45
3.4	3.3	3.0	3.1	3.7	3.5	4.0	Wind speed(Km/hr)	7	7	4	4	4
Calm	Calm	Calm	Calm	Calm	Calm	Calm	Wind direction	ENE	NE	E	ENE	NE
<b>Rainfall (mm) in last week</b>				<b>Rainfall (mm) from 01/01/2021 to till dated</b>				<b>Total Rainfall (mm) in last year</b>				
<b>0.0</b>				<b>16.4</b>				<b>4145.4</b>				

## Weather summary/alert

<b>Weather forecast</b>	As per the forecast received from Regional Meteorological Centre Mumbai, there is possibility of rise in maximum and minimum temperature from 10 <sup>th</sup> to 14 <sup>th</sup> February, 2021 over Ratnagiri district.
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## Agromet advisory based on weather forecast

Crop	Stage	Agro advisory
<b>Mango</b>	Flowering to fruiting	<ul style="list-style-type: none"> <li>There is forecast for increase in temperature and decrease in humidity during next five days, hence to minimize the pre-mature fruit drop of mango, apply 150 to 200 liter of water per tree after fruit setting at weekly interval till the fruits of arecanut size.</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 increasing the production and quality improvement of mango fruits, spray 1 % Potassium nitrate at pea marble and arecanut size stage of mango fruits.</li> <li>The pre-harvest bagging with newspaper bag of size 25 X 20 cm at marble to egg stage as per recommendation of D.B.S.K.K.V. helps to reduce the fruit drop, increases the fruit weight, pulp weight, produce spongy tissue free fruit, controls attack of fruit fly on fruits and produces spotless fruits of mango.</li> <li>There is possibility incidence of hoppers, midge fly and powdery mildew disease on mango inflorescence. For management of pest and disease, spray of Imidacloprid 17.8% SL @ 6 ml per 10 liter of water before the flower opening to avoid the adverse effect on pollinators. Also add Hexaconazole 5% @ 5 ml or wettable Sulphur 80% @ 20 gm per 10 liter in water for control of powdery mildew disease during clear weather. Note: avoid spraying during flowering to fruit setting period for effective pollination. If it is not possible to postpone the spraying till fruit set due to heavy incidence of insect and pest, then avoid spraying during morning hours (9.00 am to 12.00 pm) which is active period of pollinators for pollination.</li> </ul>

		<ul style="list-style-type: none"> <li>• There is possibility of incidence of thrips on mango inflorescence and fruit, if incidence is noticed, spray Spinosad 45%SC @ 2.5 gms per 10 liter of water.</li> <li>• To protect the pea size fruits of mango from hoppers, thrips and powdery mildew diseases, as per blossom protection schedule for mango crop, take a fourth spray of Thiomethoxam 25%WG @ 1 gm per 10 liter of water (15 days after 3rd spray) Also add Hexaconazole 5% @ 5 ml or wettable Sulphur 80% @ 20 gm per 10 liter in water for control of powdery mildew.</li> <li>• As per blossom protection schedule, take a 5<sup>th</sup> spray (15 days after 4<sup>th</sup> spray) of Dimethoate 30%EC@ 10 ml or Lambda cyhalothrin 5%EC @ 6 ml per 10 liter of water. Also add Hexaconazole 5% @ 5 ml or wettable Sulphur 80% @ 20 gm per 10 liter in water for control of powdery mildew.</li> <li>• for control premature fruit drop add 2% urea @20 gms per liter of water in to the insecticide solution from 3<sup>rd</sup> to 6<sup>th</sup> spray schedule.</li> <li>• The recommended dose of insecticides is applicable for manually operating sprayer.</li> </ul>
<b>Cashewnut</b>	Fructing	<ul style="list-style-type: none"> <li>• There is possibility of incidence of tea mosquito bugs and thrips on the fruits of cashewnut, to protect the cashew during fruit bearing stage, spray Lambda cyhalothrin 5% EC @6 ml or Acetamiprid 20%SP @ 5 gms per 10 liter of water during clear weather. (insecticide is not under label claim).</li> <li>• Due to forecast for increase in temperature and decrease in humidity, apply 150 to 200 liter of water to nut bearing trees and to newly planted cashewnut orchard @ 15 liters of water at 15 days intervals.</li> <li>• There is possibility for incidence of cashew apple and nut borer, if incidence is noticed spray Profenophos 50%EC @ 15 ml per 10 liter of water.</li> </ul>
<b>Coconut</b>	Fructing	<ul style="list-style-type: none"> <li>• Due to forecast for decrease in humidity and increase in temperature may leads to accelerate evaporation, hence provide irrigation to coconut orchard also use straw mulch to reduce evaporation losses.</li> <li>• Provide shed to newly planted coconut orchard.</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.</li> </ul>
<b>Fruit crop nursery</b>	<b>Vegetative</b>	<ul style="list-style-type: none"> <li>• Due to forecast for decrease in humidity and increase in temperature may leads to accelerate evaporation, hence provide irrigation to fruit crop nursery.</li> <li>• Keep the fruit crop nursery area free removing weeds also provides shed to nursery seedlings.</li> </ul>
<b>Lablab bean</b>	Pod development	<ul style="list-style-type: none"> <li>• Provide irrigation to lablab bean crop where crop is in flowering to pod filling stage.</li> </ul>
<b>Water melon</b>	Fructing	<ul style="list-style-type: none"> <li>• Provide irrigation to water melon crops at 3-4 days interval regularly as to protect fruits from cracking.</li> <li>• Cover the water melon fruits with paddy straw or grasses to protect fruits from sunlight.</li> </ul>
<b>Milch animal /goat</b>	-	<ul style="list-style-type: none"> <li>• 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> </ul>
<b>Poultry</b>	-	<ul style="list-style-type: none"> <li>• There is possibility for increases in temperature during day hence protect poultry birds from heat.</li> <li>• 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> </ul>
<p>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.</p>		