



# AGROMET ADVISORY SERVICE BULLETIN FOR RATNAGIRI DISTRICT

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



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**Duration – 5 days**

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Significant past weather for the preceding week (Period –15/01/2022 to 21/01/2022)							Weather Parameters	Weather forecast until 08.30 hrs of 26/01/2022				
(Source: Agromet observatory, Dept of Agronomy, College of Agril, Dapoli)								(Source: Regional Meteorological Centre, Mumbai)				
15/01	16/01	17/01	18/01	19/01	20/01	21/01		22/01	23/01	24/01	25/01	26/01
0.0	0.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)	0	3	1	0	0
27.5	29.7	31.3	32.0	32.0	32.0	31.3	Max.Temp. (°C)	30	29	27	30	31
13.5	13.3	14.0	14.5	13.4	11.5	10.6	Min.Temp. (°C)	17	16	15	15	16
8	0	0	6	0	6	0	Cloud cover (Octa)	2	4	4	0	1
96	91	94	94	89	86	93	Max. RH (%)	83	91	85	67	60
53	60	50	51	51	48	-	Min. RH (%)	30	51	48	30	23
2.0	2.7	3.1	3.1	3.3	3.4	3.0	Wind speed(Km/hr)	4	6	7	6	4
Calm	Calm	Calm	Calm	Calm	Calm	Calm	Wind direction	SE	SW	NE	E	E
<b>Rainfall (mm) in last week</b>				<b>Rainfall (mm) from 01/01/2022 to till dated</b>			<b>Total Rainfall (mm) in last year</b>					
<b>0.0</b>				<b>13.0</b>			<b>5421.4</b>					

### Weather summary/alert

<b>Weather forecast</b>	<b>As per RMC Mumbai forecast, there is possibility for cloudy weather with light rainfall at isolated places on 22<sup>nd</sup> and 23<sup>rd</sup> January,2022 and gradual fall in maximum and minimum temp expected over Ratnagiri district.</b>
<b>ERFS</b>	<b>As per ERFS products, dry weather with normal maximum &amp; minimum temperature expected during 26<sup>th</sup> January to 1<sup>st</sup> February,2022 over Konkan division.</b>

### Agromet advisory based on weather forecast

Crop	Stage	Agro advisory
<b>General advisory</b>	--	<ul style="list-style-type: none"> <li>Due to forecast for light rainfall at isolate places on 22<sup>nd</sup> and 23<sup>rd</sup> January 2022, keep the harvested turmeric, black pepper and arecanut at safe place for drying.</li> </ul>
<b>SMS advisory</b>	--	<ul style="list-style-type: none"> <li>Due to forecast light rainfall at isolate places on 22<sup>nd</sup> and 23<sup>rd</sup> January 2022, 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 protect the fruits from rain water, fruit fly incidence and improves quality and spot less fruit in mango. Care should be taken that avoid injury to fruit stalk while bagging fruits with paper bag.</li> </ul>
<b>Mango</b>	Inflorescence to mustard to arecanut size fruit	<ul style="list-style-type: none"> <li>Due to forecast for cloudy rainy weather, there is possibility for anthracnose and powdery mildew disease on mango inflorescence, if rainfall realized, then for protection against powdery mildew disease, spray Hexaconazole 5% SC @ 5 ml per 10 liter of water and for control of anthracnose disease, spray Carbendazim 12% + Mancozeb 63% @ 10 g per 10 liter of water.</li> <li>There is possibility incidence of hoppers, midge fly on mango inflorescence. For management of pest, spray of Imidacloprid 17.8% SL @ 6 ml or Buprofezin 25%SC@ 20 ml per 10 liter of water during clear weather.</li> <li>To protect the mustard size fruits of mango from hoppers as per blossom protection schedule for mango crop, take a fourth spray of Thiomethoxam 25%WG @ 1 gm per 10 liter of water. (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 (09.00 am to 12.00 pm)</li> </ul>

		<p>which is active period of pollinators for pollination.)</p> <ul style="list-style-type: none"> <li>• Due to forecast light rainfall at isolate places on 22<sup>nd</sup> and 23<sup>rd</sup> January 2022, 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 protect the fruits from rain water, fruit fly incidence and improves quality and spot less fruit in mango. Care should be taken that avoid injury to fruit stalk while bagging fruits with paper bag.</li> <li>• Due to forecast for cloudy weather with light rainfall, there is possibility for incidence of fruit fly on mango fruits of egg size. Collect and destroy all fallen fruits and install “Rakshak fruit fly trap” developed by University @ 2 traps per acre.</li> <li>• To minimize the pre-mature fruit drop of mango, as per availability of water, apply 100 liter /tree at weekly or 150 to 200 liter/ tree at 15 days interval from pea to arecanut fruit size also use straw mulch.</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>• Fall in minimum temp. favors recurrent flowering from mango which is in fruit setting stage, to avoid recurrent flowering, spray gibberellin acid 50 PPM (1 gms/20 lit of water) at time of fully open flower and mustard size fruit stage. Before spraying ensure that a tree has a sufficient flowering.</li> </ul>
<b>Cashewnut</b>	inflorescence to fruiting stage	<ul style="list-style-type: none"> <li>• Due to forecast light rainfall at isolate places on 22<sup>nd</sup> and 23<sup>rd</sup> January 2022, 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>Arecanut</b>	Fruiting	<ul style="list-style-type: none"> <li>• Due to forecast light rainfall at isolate places on 22<sup>nd</sup> and 23<sup>rd</sup> January 2022, keep the harvested nuts for drying at safe place.</li> </ul>
<b>Rabi Summer rice</b>	Seedling	<ul style="list-style-type: none"> <li>• Prepare field for rice transplanting by puddling. At the time of puddling apply 870 gms urea, 3130 gms single super phosphate and 840 gms muriate of potash per guntha. Transplant the rice seedlings of 35 to 40 days old with 5 to 6 leaves with height of 12 to 15 cm. Transplant 3 rice seedling per hill at a spacing of 20 x 15 cm. Maintain optimum water level of 2.5- 5 cm upto 30 days after transplanting.</li> </ul>
<b>Cowpea, Mustard</b>	Vegetative to flowering	<ul style="list-style-type: none"> <li>• Due to forecast for cloudy weather condition, there is possibility of incidence of aphids on lablab, cowpea crop which develop into growth of black fungus on leaves and inflorescence. If incidence is noticed, spray Dimethoate 30%EC@12 ml or Lambda cyhalothrin 5%EC @ 6 ml per 10 liter of water.</li> </ul>
<b>Brinjal</b>	Vegetative to fruiting	<ul style="list-style-type: none"> <li>• There is possibility for incidence of bacterial or fungal wilt disease in brinjal. For management of bacterial wilt, collected and destroy infected plant. Follow crop rotation with crop other than solanaceous family. Use resistant varieties. for fungal wilt disease management drench the Trichoderma solution @ 5 gms per liter of water.</li> </ul>
<b>Turmeric</b>	Maturity	<ul style="list-style-type: none"> <li>• Carryout harvesting of matured turmeric rhizome. After boiling, keep the rhizome for drying on concrete floor for approx. 10 to 15 days. Since there is forecast for light rainfall at isolate places on 22<sup>nd</sup> and 23<sup>rd</sup> January 2022, keep the rhizome for drying at safe place.</li> </ul>
<b>Black paper</b>	Maturity	<ul style="list-style-type: none"> <li>• Carryout harvesting of black paper by hand picking the whole spikes when few berries in the spike start turning yellow or red. The berries are separated and dipped in hot water (80°C) for one minute and sun dried for 3 to 4 days.</li> <li>• Due to forecast light rainfall at isolate places on 22<sup>nd</sup> and 23<sup>rd</sup> January 2022, keep the blackpeper for drying at safe place.</li> </ul>
<b>Goat farming</b>	-	<ul style="list-style-type: none"> <li>• Protect the Goats kids from low temperature by providing electric bulbs during night time.</li> </ul>
<b>Poultry</b>	-	<ul style="list-style-type: none"> <li>• Protect the poultry birds from low temperature by providing curtains and electric bulbs during night time.</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, Krishi Vigyan Kendra or Agriculture officers of Agriculture Department, Maharashtra state.</p>		

