



**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 –14/10/2020 to 20/10/2020)							Weather Parameters	Weather forecast until 08.30 hrs of 25/10/2020				
14/10	15/10	16/10	17/10	18/10	19/10	20/10		21/10	22/10	23/10	24/10	25/10
5.2	101.2	4.6	0.0	0.0	0.0	0.0	Rainfall (mm)	13	25	10	24	8
31.6	28.5	28.2	28.3	31.2	30.2	30.0	Maximum temperature (°C)	31	33	34	34	35
22.8	21.2	23.4	23.6	22.0	23.5	22.4	Minimum temperature (°C)	24	24	24	24	25
8	8	8	6	0	2	2	Cloud cover (Octa)	7	6	7	3	5
92	100	96	90	85	90	95	Relative Humidity Max. (%)	95	93	95	95	91
90	85	79	70	78	76	-	Relative Humidity Min. (%)	73	74	68	66	55
2.6	6.4	4.8	7.4	4.9	3.3	2.3	Wind speed (Km/hr)	4	3	4	6	5
Calm	NW	SE	Calm	SW	Calm	Calm	Wind direction	NE	E	E	E	E
<b>Rainfall (mm) in last week</b>				<b>Rainfall (mm) from 01/01/2020 to till dated</b>				<b>Total Rainfall (mm) in last year</b>				
111.0				4126.5				5130.9				

**Weather summary**

<b>Weather forecast</b>	As per the forecast received from Regional Meteorological Centre Mumbai, there is possibility of light to moderate rainfall from 21 <sup>st</sup> to 25 <sup>th</sup> October, 2020 at a few places over Ratnagiri district. Also, sky will remain cloudy.
<b>Warning</b>	Thunderstorm along with lightening and heavy rainfall likely to occur on 21 <sup>st</sup> October, 2020 at isolated places. Thunderstorm along with lightening likely to occur at isolated places on 22 <sup>nd</sup> October, 2020 in Ratnagiri district.
<b>ERFS</b>	As per ERFS products above normal rainfall may occur in Konkan division during 21 <sup>th</sup> to 27 <sup>th</sup> October, 2020.

Crop	Stage	Agromet Advisory based on weather forecast
<b>General advice</b>	-	<ul style="list-style-type: none"> <li>As there forecast for thunderstorm along with lighting at isolated places over district on 21<sup>st</sup> and 22<sup>nd</sup> October, Keep farm animals at safe place and away from open water, pond or river.</li> </ul>
<b>Kharif rice</b>	<b>Grain filling (late varieties), maturity (early and midlate)</b>	<ul style="list-style-type: none"> <li>Maintain the optimum water level of 5 cm in late rice varieties field.</li> <li>There is forecast of light to moderate rainfall, harvest the matured rice varieties during clear weather (no rainfall), keep harvested produce in protective shed for threshing and after immediate threshing, keep threshed grains in protective shed for drying.</li> </ul>
<b>Finger millet/ Proso millet</b>	<b>Maturity</b>	<ul style="list-style-type: none"> <li>Due to forecast of light to moderate rainfall, harvest the matured varieties of finger millet crop during clear weather (no rainfall) by cutting of ear head with sickle and dry in the safe and protective shed. Follow threshing after drying.</li> </ul>
<b>Mango</b>	<b>Vegetative</b>	<ul style="list-style-type: none"> <li>Due to cloudy rainy weather, there is possibility for incidence of anthracnose fungal disease on new vegetative flush of mango, to control the disease spray, 1% bordomixture or Carbendazim 12% + Mancozeb 63% combination fungicide @ 10 gms per 10 liter of water during clear weather (no rainfall).</li> <li>As there is possibility of moderate rainfall till 22<sup>nd</sup> October, 2020 and onward there may be decrease in rainfall and increase in temperature, comparative reduction in humidity and sufficient available soil moisture create condition for pruning in old unproductive and high-density mango orchard. After 23<sup>rd</sup> October, 2020, undertake the central opening and pruning operation.</li> <li>In the old unproductive mango orchard, for penetration of solar radiation into canopy carryout central opening and pruning operation. While performing operation, old tall mango trees should be prune at 2/3rd height from base. In younger mango trees, pruning operation should be done at 12-15 ft height from base. After pruning spray chloropyriphos insecticide 5 ml per liter of water on to whole tree also pour solution into base of stem. After that apply bavistin 5 gm by mixing with 1 liter of coltar to the cut portion of branches. Provide irrigation 150-200 liter of water at 10-15 days interval immediately after pruning. Thin excess sprouting after two months of pruning.</li> <li>In high density (5X5 m or 6X4 m) mango orchard carryout pruning operation regularly, it includes detopping, pruning of cross branches and removing of dead wood. The height of tree in high density orchard should be maintained at 80% of row</li> </ul>

		distance.
<b>Cashewnut</b>	<b>Vegetative</b>	<ul style="list-style-type: none"> <li>• Due to cloudy rainy weather, there is possibility for incidence of anthracnose fungal disease on new vegetative flush of cashewnut, to control the disease spray, 1% bormixture or Carbendazim 12% + Mancozeb 63% combination fungicide @ 10 gms per 10 liter of water during clear weather (no rainfall).</li> </ul>
<b>Coconut</b>	<b>Fruiting</b>	<ul style="list-style-type: none"> <li>• Due to cloudy and humid weather condition, favour development of fungal disease in coconut, to protect the coconut from fungal disease, spray 1% bormixture during clear weather (no rainfall).</li> <li>• Due to intermittent rainfall and increase in temperature, there is possibility of incidence of rugose spiraling white fly on coconut, Nymphs and adults suck the sap from lower surface of leaves and produce honey dew sugary substance which develop growth of sooty mould fungus. If incidence is noticed spray 50 ml Neem oil 0.5% @30 ml per 10 liters of water.</li> </ul>
<b>Arecanut</b>	<b>Fruiting</b>	<ul style="list-style-type: none"> <li>• Due to cloudy and humid weather condition, favour development of fungal disease in coconut, to protect the arecanut from fungal disease, spray 1% bormixture during clear weather (no rainfall).</li> </ul>
<b>Water melon</b>	<b>Sowing</b>	<ul style="list-style-type: none"> <li>• As there is possibility of moderate rainfall till 22<sup>nd</sup> October, 2020 and onward there may be decrease in rainfall, undertake sowing of watermelon crop after 23<sup>rd</sup> October,2020. At the time of ploughing mix 6 to 8 tonne of well decomposed FYM into soil. prepare ridges and furrow having spacing of 2 X 0.50 m. apply 11g urea, 32 g single super phosphate and 10 g muriate of potash per vine and for hybrid varieties apply 2 kg FYM, 20g urea, 32 g single super phosphate and 17 g muriate of potash per vine at the time of sowing. Before sowing, treat the seed with Thiram or Captan fungicide 3 grams per kg of seed for protection of seedlings from wilt disease. Provide light irrigation immediate after sowing.</li> </ul>
<b>Okra</b>	<b>Sowing</b>	<ul style="list-style-type: none"> <li>• As there is possibility of moderate rainfall till 22<sup>nd</sup> October, 2020 and onward there may be decrease in rainfall, undertake sowing of okra crop after 23<sup>rd</sup> October,2020. At the time of ploughing mix 6 tonne of well decomposed FYM into soil. prepare ridges and furrow having spacing of 60 x 60 cm. Apply 28 kg urea, 125 kg single super phosphate and 33 kg muriate of potash per acre. Provide light irrigation immediate after sowing.</li> </ul>
<b>Brinjal</b>	<b>Rhizome development</b>	<ul style="list-style-type: none"> <li>• As there is possibility of moderate rainfall till 22<sup>nd</sup> October, 2020 and onward there may be decrease in rainfall, undertake transplanting of brinjal seedling after 23<sup>rd</sup> October,2020 At the time of ploughing mix 8 tonne of well decomposed FYM into soil. transplant the seedlings on ridges and furrow with spacing of 60 X 60 cm. Apply fertilizer dose of 43 kg urea, 125 kg SSP and 33 kg of MOP per acre at the time of transplanting. for protection of seedlings from incidence of little leaf disease, dip the seedling for 5 minute in Dimethoate solution @ 1ml per liter of water before transplanting. Provide irrigation immediately after transplanting.</li> </ul>
<b>Poultry</b>	-	<ul style="list-style-type: none"> <li>• For boiler poultry bird upto three-week-old bird, provide boiler starter and 4 to 6-week-old bird provide boiler finisher as per their daily requirement.</li> <li>• Vaccination against Newcastle disease (Ranikhet) to 4 -10 days old chicks under supervision of veterinary officers is advocated.</li> </ul>

Note : Spray insecticide or fungicide solution and apply fertilizers during clear weather (no rainfall). Mix sticker into spraying solution.

**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.**