



**Agromet Advisory Service Bulletin for Thane District**  
(Issued jointly by GKMS, Dr. B.S. Konkani 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 –21/10/2020 to 27/10/2020)							Weather Parameters	Weather forecast until 08.30 hrs of 01/11/2020				
21/10	22/10	23/10	24/10	25/10	26/10	27/10		28/10	29/10	30/10	31/10	01/11
0.0	8.0	7.0	0.0	0.0	-	-	Rainfall (mm)	0	0	0	0	0
34.0	34.0	34.2	34.0	33.8	-	-	Maximum temperature (°C)	34	34	34	35	34
25.2	25.2	25.0	25.2	25.0	-	-	Minimum temperature (°C)	25	26	25	25	25
2	2	4	2	4	-	-	Cloud cover (Octa)	0	1	1	1	3
87	90	98	90	92	-	-	Relative Humidity Max. (%)	61	60	60	63	63
85	78	76	76	76	-	-	Relative Humidity Min. (%)	40	39	40	37	45
0.0	0.0	0.0	0.0	0.0	-	-	Wind speed (Km/hr)	6	4	4	5	6
Calm	Calm	Calm	Calm	Calm	-	-	Wind direction	E	E	ENE	E	ENE

**Weather summary**

<b>Weather forecast</b>	<b>As per the forecast received from Regional Meteorological Centre Mumbai, there is possibility of dry weather with increase in temperature and sky remain clear from 28<sup>th</sup> October to 1<sup>st</sup> November, 2020 over Thane district.</b>
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Crop	Stage	Agromet Advisory based on weather forecast
<b>Kharif rice</b>	<b>Maturity</b>	<ul style="list-style-type: none"> <li>There is forecast of dry weather during next five days, complete the harvesting of the matured rice varieties.</li> </ul>
<b>Finger millet/ Proso millet</b>	<b>Maturity</b>	<ul style="list-style-type: none"> <li>There is forecast of dry weather during next five days, complete the harvesting of the matured finger millet and proso millet crop</li> </ul>
<b>Red gram/ Tur</b>	<b>Pod development</b>	<ul style="list-style-type: none"> <li>There is possibility for incidence of plume moth in tur crop, if incidence is noticed, spray 5% Neem seed kernel extract. (The insecticide is not under label claim).</li> </ul>
<b>Lablab bean</b>	<b>Land preparation and Sowing</b>	<ul style="list-style-type: none"> <li>For cultivation of lablab bean on residual moisture, first spray glyphosate 5 ml per liter of water after harvesting of rice crop when soil reach at field capacity condition to control weeds and then sow the lablab bean at a spacing of 30 x 15 cm by dibbling without disturbing soil by any tillage operation. Fertilizer should be place by making hole adjacent to seed.</li> <li>For cultivation of lablab bean by land preparation, plough the soil after harvest of kharif rice when it is in field capacity. Incorporate 2 tonne/acre FYM or compost at the time of ploughing. Sow lablab bean @ 30 to 45 kg/ ha by dibbling at a spacing of 30 x 15 cm or 30 x 20 cm or 30 x 30 cm. apply 540 gms urea and 3 kg Single Super Phosphate per guntha at the time of sowing below the seed at 5 cm depth. Provide light irrigation after sowing.</li> <li>In the both method of sowing, treat the seed with Thiram fungicide @3 gm/kg of seeds before sowing. After that treat the seed with Rhizobium biofertilizers @ 25 gms per kg and dry it shed one hours before sowing.</li> </ul>
<b>Chickpea</b>	<b>Land preparation and Sowing</b>	<ul style="list-style-type: none"> <li>For cultivation of Chickpea, plough the soil after harvest of kharif rice when it is in field capacity. Incorporate 2 tonne/acre FYM or compost at the time of ploughing. Sow seed at a spacing of 30 x 10 cm. apply 540 gms urea and 3 kg Single Super Phosphate per guntha at the time of sowing. Provide light irrigation after sowing.</li> <li>Before sowing, treat the seed with Thiram fungicide @3 gm/kg or Trichoderma @ 5 gm/kg of seeds. After that treat the seed with Rhizobium biofertilizers @ 25 gms per kg of seed and dry it shed one hours before sowing.</li> </ul>
<b>Mango</b>	<b>Vegetative</b>	<ul style="list-style-type: none"> <li>There is possibility for incidence of shoot borer and midge fly on new vegetative flush of mango, if incidence is noticed, spray Monocrotophos 36%SL @ 11 ml per 10 liter of water during clear weather (no rainfall).</li> <li>Water stress in root zone favors the induction of flowering, hence clean the mango orchard as soon as possible to facilitate the evaporation of water from mango orchard at faster rate.</li> <li>In the old unproductive mango orchard, for penetration of solar radiation into canopy carryout central opening and pruning operation as per the technology recommended by university. 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</li> </ul>

		<p>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.</p> <ul style="list-style-type: none"> <li>• For penetration of solar radiation into canopy carryout central opening and pruning operation in dense mango tree. apply bordo paste to cut portion.</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 distance.</li> </ul>
<b>Coconut</b>	<b>Fruiting</b>	<ul style="list-style-type: none"> <li>• Due to clear sky and increase in temperature accelerate evaporation, provide irrigation to coconut orchard at 8-10 days interval.</li> </ul>
<b>Sapota</b>	<b>Fruiting</b>	<ul style="list-style-type: none"> <li>• Due to clear sky and increase in temperature accelerate evaporation, provide irrigation to sapota orchard.</li> </ul>
<b>Chilli</b>	<b>Transplanting</b>	<ul style="list-style-type: none"> <li>• If seedlings of chilli are ready for transplanting, transplant the seedlings on ridges and furrow with spacing of 60 X 60 cm. Apply fertilizer dose of 540 g of well decomposed FYM, 6 g urea, 11 g SSP and 3 g of MOP per plant at the time of transplanting. for protection of seedlings from wilt disease, dip the seedling for 5 minute in Trichoderma solution @5 -10 gms per liter or Dimethoate solution @ 1ml per liter of water before transplanting. Provide irrigation immediately after transplanting.</li> </ul>
<b>Vegetable crops/ Fruit crop orchard</b>	<b>Seedling</b>	<ul style="list-style-type: none"> <li>• Due to clear sky and increase in temperature accelerate evaporation, provide irrigation to newly planted fruit crop orchard and vegetable crops.</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>		