



Ministry of Earth Science, India Meteorological Department is collaborated with  
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**Gramin Krishi Mousam Sewa,**  
College of Horticulture, Mulde  
Agro Advisory Bulletin For The District – Sindhudurg.  
(Period 07<sup>th</sup> to 11<sup>th</sup> April, 2021)



Issue 28/2021							Date 06.04.2021		Duration 5 Day's				
Actual weather parameters recorded during last week (Dated 30 <sup>th</sup> March to 05 <sup>th</sup> April, 2021)							Weather Parameters		Forecasted weather parameters for forthcoming 5 day's (Valid for 07 <sup>th</sup> to 11 <sup>th</sup> April, 2021)				
30/03	31/03	01/04	02/04	03/04	04/04	05/04	Date		07/04	08/04	09/04	10/04	11/04
0.0	0.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)		0	0	0	0	0
36.0	39.0	39.0	38.0	37.0	38.0	38.0	Temp. maximum (°C)		35	33	32	32	34
22.5	22.0	20.0	20.0	20.5	21.0	20.5	Temp. minimum (°C)		24	24	25	24	24
Cloudy	Clear	Clear	Clear	Clear	Clear	Cloudy	AM	Cloud Cover (Octa.)	3	3	5	4	5
Clear	Clear	Clear	Clear	Clear	Clear	Clear	PM						
92	95	84	88	89	92	92	RH - I (%)		79	79	80	76	78
52	40	44	39	35	41	44	RH - II (%)		61	55	54	56	50
1.5	2.0	2.5	2.2	2.1	1.8	2.9	Wind Speed (km/hr.)		003	007	011	005	004
Calm	Calm	Calm	Calm	Calm	Calm	Calm	AM	Wind Direction	Southerly / South East	South	Southerly / South West	Southerly / South West	Southerly / South East
WSW	WNW	WNW	WSW	WNW	WNW	WNW	PM						
Rainfall (mm) in last year (2020)			Rainfall (mm) from 01/01/21 to till dated			Rainfall (mm) from 01/06/21 to till dated			Rainfall (mm) in last week				
4860.0			11.6			0.0			0.0				

**General Weather conditions in forthcoming 5 days:** Rainfall is expected to be remain dry in Sindhudurg district for the next five days. At the same time, the maximum temperature is likely to decrease by a few degrees and the minimum temperature is expected to increase and remain stable at 24-25 degrees Celsius as well as Humidity is likely to increase. The weather is also likely to be dry and partly cloudy. This forecast has been made by the Regional Meteorological Center, Mumbai.

**Extended Range Forecast:** South Konkan and Goa meteorological sub-divisions are expected to receive below normal rainfall from April 11 to 17. (Although the normal rainfall during this period is 0.06 mm, it is expected to be only 0.02 mm this year and it is likely to be 71.32% less than the normal.)

**Warning:** No rain warning has been issued by the Regional Meteorological Center, Mumbai for the next five days in Sindhudurg district.

**General Advisory:** Considering a significant drop in maximum temperature and a significant increase in minimum temperature over the next 5 days, With temperatures hovering to 38-39 degrees Celsius in the last week, cashew nuts have been found to be falling apart and seeds are shrinking, At the same time, the size of the seeds is getting smaller, and the seeds are turning black due to the infestation of TMB and thrips and if the temperature goes beyond 38 degrees Celsius, the fruit drop rate in cashews increases, to avoid the effect of temperature rise on cashew nuts, large grafts should be given 150-200 liters of water per graft at 15 days interval. (If water is available, give 10-12 liters of water per day to per cashew tree.)

**SMS Advisory:** For control of Thirps and TMB in cashew. Spray acetamaprid at the rate of 0.5 gm per liter of water when the fruit is attains pea shape.

Weather Forecast Based Agro-Advice		
Name of Crop	Growth Stage	Crop specific Advisory
Mango	Harvesting	<p>Considering a drop in maximum temperature and a significant increase in minimum temperature over the next 5 days, If water is available, apply 80-100 liters per plant at interval of 7 days.</p> <p>To reduce evaporation, mulch the basins of mango graft with grasses and leaves in lateritic soil.</p> <p>Considering a drop in maximum temperature and a significant increase in minimum temperature over the next 5 days, newly planted mango graft should be shaded with shade net to protect them from the sun.</p> <p>The Mango fruits are egg size stage and in mature size stage in some parts in the district. Considering a drop in maximum temperature and a significant increase in minimum temperature over the next 5 days, Harvest the mature fruits before 10 hours in the morning and after 16 hours in the evening with the help of Nutan mango harvester at 80 to 85 % maturity. Do not apply any insecticides/fungicides 8 days before harvesting of mango fruits.</p> <p>Considering a drop in maximum temperature and a significant increase in minimum temperature over the next 5 days, it is likely that the spongy tissue in Alphonso mango fruit will increase due to the rise in temperature. Harvestable fruits should be harvested before 10 in the morning and after 4 in the afternoon and kept in the shade to avoid spongy tissue due to heat.</p> <p>Considering a drop in maximum temperature and a significant increase in minimum temperature over the next 5 days, to decrease fruit drop in mango it is recommended that cover the fruit with paper bags.</p> <p>Fruits should be treated with hot water to prevent the spread of fruit rot during picking to control fruit rot disease dip the fruits in hot water of 52°C for 10 minutes.</p>
Cashew nut	Harvesting	<p>In some places in the district harvestable seeds are formed in cashews. The prepared seeds should be harvested and dried properly in the sun.</p> <p>Considering a drop in maximum temperature and a significant increase in minimum temperature over the next 5 days, newly</p>

		<p>planted cashew graft should be shaded with shade net to protect them from the sun.</p> <p>Considering a drop in maximum temperature and a significant increase in minimum temperature over the next 5 days, With temperatures hovering to 38-39 degrees Celsius in the last week, cashew nuts have been found to be falling apart and seeds are shrinking, At the same time, the size of the seeds is getting smaller, and the seeds are turning black due to the infestation of TMB and thrips and if the temperature goes beyond 38 degrees Celsius, the fruit drop rate in cashews increases, to avoid the effect of temperature rise on cashew nuts, large grafts should be given 150-200 liters of water per graft at 15 days interval. (If water is available, give 10-12 liters of water per day to per cashew tree.)</p> <p>Cashew growers need to be vigilant against TMB and Thrips infestation. Tender cashew nuts and apples need to be protected from TMB and Thrips. In case of outbreak, spray Acetamaprid 0.5 gm per liter of water for control.</p> <p>Considering a drop in maximum temperature and a significant increase in minimum temperature over the next 5 days, newly planted seedlings are given 30 liters in the first 2 years at intervals of 8 days in summer Water should be given per graft.</p> <p>To reduce evaporation, mulch the basins of cashew graft with grasses and leaves in lateritic soil.</p>
Coconut	Fruit Development	<p>Considering a drop in maximum temperature and a significant increase in minimum temperature over the next 5 days, Coconut seedlings should be watered at intervals of 8 to 10 days.</p> <p>Considering a drop in maximum temperature and a significant increase in minimum temperature over the next 5 days, newly planted coconut seedling should be shaded with shade net to protect them from the sun.</p> <p>For control of Red palm weevil in coconut, fill the holes made by RPW with 10 per cent Carbaryl dust and sand mixture. Prepare a slanting hole with the help of screw drill about 1 m height from ground level on tree trunk and pour about 20 ml of 36 WSC Monocrotophos with the help of plastic funnel in the hole and close the hole with the help of cement</p>
Arecanut	Fruit Development	<p>Considering a drop in maximum temperature and a significant increase in minimum temperature over the next 5 days, Arecanut seedlings should be watered at intervals of 8 to 10 days.</p>
Wayangani Rice	Heading to grain filling	<p>In some places, summer rice is in heading to grain filling. Rice should be irrigated regularly at intervals of 4 to 5 days. As the heat increases, the crop should be given more water as required.</p>
Groundnut	Pod formation	<p>The groundnut crop is in the stage of pod formation to grain filling. Due to increase in evaporation, groundnut crop should be irrigated at intervals of 10 to 12 days as per soil type.</p>
Horse gram	Harvesting	<p>Harvesting of horse gram crop should be completed. The prepared pods should be removed in the morning and dried well in the sun.</p>
Cowpea	Harvesting	<p>Harvesting of cowpea crop should be completed. The prepared pods should be removed in the morning and dried well in the sun.</p>
Kadva Wal	Harvesting	<p>Harvesting of Kadava wal crop should be completed. The prepared pods should be removed in the morning and dried well in the sun.</p>
Chilli	Fruit Set	<p>To control leaf curl (Bokdya/Churda Murda) and causing insects such as thrips and white flies in chillis, application of Phorate 10 kg per ha. also spraying of Dimethoate 30% EC 1 ml. + Sulphur 2 gm or Mancozeb 2 gm per liters of water is advised.</p>
Dairy Animals	-	<p>Considering a drop in maximum temperature and a significant increase in minimum temperature over the next 5 days, provide good quality water for drinking and green fodder for feeding to animals. Protect the animals from afternoon heat.</p>
Poultry	-	<p>Considering a drop in maximum temperature and a significant increase in minimum temperature over the next 5 days, to protect the hens from heat, cover the outside of the shed with cloth and sprinkle water on it. Also cover the roof of the shed with grass or gunny bags and sprinkle water on it. Clean cold water should be provided for chickens as well as chicks for drinking.</p>
<p>This Agro Advisory Bulletin (AAB) is prepared and published with the consolation and recommendation of SMS committee of "Gramin Krishi Mausam Sewa (GKMS)", Regional Fruit Research Station, Vengurle and College of Horticulture, Mulde Dr. B.S.Konkan Krishi Vidyapeeth, Dapoli 416 520 (MS).</p>		
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