



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 20<sup>th</sup> to 24<sup>th</sup> March, 2021)



Issue 23/2021							Date 19.03.2021		Duration 5 Day's				
Actual weather parameters recorded during last week (Dated 12 <sup>th</sup> to 18 <sup>th</sup> March, 2021)							Weather Parameters		Forecasted weather parameters for forthcoming 5 day's (Valid for 20 <sup>th</sup> to 24 <sup>th</sup> March, 2021)				
12/03	13/03	14/03	15/03	16/03	17/03	18/03	Date		20/03	21/03	22/03	23/03	24/03
0.0	0.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)		0	0	0	1	2
36.5	36.5	37.0	37.0	37.0	36.0	36.0	Temp. maximum (°C)		37	36	33	35	38
18.5	18.5	19.0	19.5	21.0	21.0	22.0	Temp. minimum (°C)		24	22	22	23	23
Clear	Clear	Clear	Clear	Clear	Clear	Clear	AM	Cloud Cover (Octa.)	2	1	1	1	0
Clear	Clear	Clear	Clear	Clear	Clear	Clear	PM						
93	93	91	91	95	91	91	RH - I (%)		52	60	73	71	80
47	36	43	52	56	52	54	RH - II (%)		28	23	31	33	33
1.4	1.9	2.0	1.8	1.9	1.6	1.6	Wind Speed (km/hr.)		008	009	004	003	006
Calm	Calm	Calm	Calm	Calm	Calm	Calm	AM	Wind Direction	South	South	Southerly / South West	East	Easterly / South East
WSW	WSW	WSW	WSW	WSW	WSW	WSW	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:		In Sindhudurg district, during the next five days, on 22 <sup>nd</sup> and 23 <sup>rd</sup> March, 2021, there is a possibility of thunderstorm accompanied with lightning, while on 24 <sup>th</sup> March, 2021 only light rain is expected in isolated places. The maximum and minimum temperatures are likely to increase as well as the humidity is likely to decrease. The weather is remain dry and partly cloudy. This forecast has been made by the Regional Meteorological Center, Mumbai.											
Warning:		In Sindhudurg district, during the next five days, on 22 <sup>nd</sup> and 23 <sup>rd</sup> March, 2021, there is a possibility of thunderstorm accompanied with lightning this warning has been issued by the Regional Meteorological Center, Mumbai for the next five days.											
General Advisory		The mango fruit in the district has oval shape fruits in some places and harvestable fruits in some places. Due to the possibility thunderstorm accompanied with lightning on March 22 <sup>nd</sup> and 23 <sup>rd</sup> , 2021, in the next 2 days, harvestable fruits should be harvested before 10 A.M. in the morning and after 4 P. M. in the afternoon with the help of Nutan Zela at 80 to 85% maturity.											
SMS Advisory		Thunderstorm accompanied with lightning and Light rain is expected in isolated places in Sindhudurg district on March 22 <sup>nd</sup> and 23 <sup>rd</sup> . Harvestable mango fruit should be harvested at 80 to 85% maturity.											

Weather Forecast Based Agro-Advice

Name of Crop	Growth Stage	Crop specific Advisory
Mango	Fruit development to Harvesting	<p>The Mango fruits are egg size stage and in mature size stage in some parts in the district. Considering the possibility thunderstorm accompanied with lightning on March 22<sup>nd</sup> and 23<sup>rd</sup>, 2021, 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. Keep the harvested fruits in shade to prevent spongy tissue disease and from heat Transport of harvested fruits should be done preferably during night hours.</p> <p>As the temperature is likely to rise in 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 the increase in maximum and minimum temperature as well as decrease in humidity in next 5 days, to decrease fruit drop in mango it is recommended that cover the fruit with paper bags.</p> <p>Considering the possibility of cloudy weather and light rainfall, rains should not cause damage to fruits due to anthracnose. in order to prevent the spread of anthracnose disease on flowers and fruits of mango to control anthracnose spraying of Carbendazim 50% water soluble powder (10 gm per 10 liters of water) or Thiophenate methyl 50% water soluble powder (10 gm per 10 liters of water) or Propineb 75% water soluble powder (20 gm per 10 liters of water) is advised as required.</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 OC for 10 minutes.</p> <p>Considering the possibility of cloudy and rainy weather the incidence of fruit flies is likely to increase. For this, Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli recommends that 'Rakshak' fruit fly traps should be set at the rate of four per hectare.</p> <p>Due to rise in temperature drop of peas, marble and arecanut shaped mangoes have been found in some places in the district. At the same time, the humidity in the afternoon has decreased in the district also humidity is expected to remain low next week. If water is available, apply 80-100 liters per plant at interval of 7 days. To reduce evaporation, mulch the basins of mango graft with grasses and leaves in lateritic soil.</p> <p>Considering the increase in maximum and minimum temperature as well as decrease in humidity in next 5 days, newly planted</p>

		mango graft should be shaded with shade net to protect them from the sun.
Cashew nut	Harvesting	<p>Considering the possibility of light rain in isolated places and thunderstorms accompanied with lightning on March 22 and 23, 2021. In the place where the harvestable seed is ready in cashew, harvesting should be done as soon as possible in the next 2 days and the seeds should be dried properly in the sun.</p> <p>Considering the increase in maximum and minimum temperature as well as decrease in humidity in next 5 days, newly planted cashew graft should be shaded with shade net to protect them from the sun.</p> <p>Considering the increase in maximum and minimum temperature as well as decrease in humidity in next 5 days, large graft of cashew should be given 150-200 liters of water per graft at 15 days interval.</p> <p>Considering the increase in maximum and minimum temperature as well as decrease in humidity in 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>
Coconut	Fruit Development	<p>Considering the increase in maximum and minimum temperature as well as decrease in humidity in next 5 days, Coconut seedlings should be watered at intervals of 8 to 10 days.</p> <p>Considering the increase in maximum and minimum temperature as well as decrease in humidity in 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	Considering the increase in maximum and minimum temperature as well as decrease in humidity in next 5 days, Arecanut seedlings should be watered at intervals of 8 to 10 days.
Wayangani Rice	Panicle Initiation to Flowering	<p>Hoeing and weeding should be done in rice field. Also third split dose of Nitrogen @ 20 kg. per ha should be apply.</p> <p>Considering the increase in maximum and minimum temperature as well as decrease in humidity in next 5 days, water management should be done properly in summer paddy crop. The water level in the field should be kept at 10 cm for 10 days before flowering and 10 days after flowering.</p> <p>In case of blast disease on rice, spray with 10 gm of Tricyclazole or 10 ml of Isoprothiolin per 10 liters of water.</p> <p>If the incidence of rice leaf folder is observed on the rice crop, then need based spraying with Quinolphos 25% EC @ 2 ltr. or Trizophos 40% EC @ 625 ml or Lamda cyhalothrin 5% EC @ 250ml per 500 liters of water is recommended.</p>
Groundnut	Peg formation	Considering the increase in maximum and minimum temperature as well as decrease in humidity in next 5 days, as evaporation is increasing, groundnut crop should be watered at intervals of 10 to 12 days. At the same time drum rolling operation should be done in groundnut 45-50 days after sowing, so that it helps in penetrating the pegs in soil and increase production.
Horse gram	Harvesting	Considering the possibility of light rain in isolated places with thunder and lightning on March 22 and 23, 2021, harvesting of horse gram crop should be completed in next 2 days. The prepared pods should be removed in the morning and dried well in the sun.
Cowpea	Harvesting	Considering the possibility of light rain in isolated places with thunder and lightning on March 22 and 23, 2021, harvesting of cowpea crop should be completed in next 2 days. The prepared pods should be removed in the morning and dried well in the sun.
Kadva Wal	Harvesting	Considering the possibility of light rain in isolated places with thunder and lightning on March 22 and 23, 2021, harvesting of Kadava wal crop should be completed in next 2 days. The prepared pods should be removed in the morning and dried well in the sun.
Chilli	Fruit Set	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.
Dairy Animals, Poultry		<p>Considering the possibility of light rain in isolated places with thunder and lightning on March 22 and 23, 2021, animals should be protected from lightning.</p> <p>Provide good quality water for drinking and green fodder for feeding to animals.</p> <p>Protect the animals and poultry from afternoon heat.</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).		
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