



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 08<sup>th</sup> to 12<sup>th</sup> May, 2021)



Issue 37/2021							Date 07.05.2021		Duration 5 Day's				
Actual weather parameters recorded during last week (Dated 30 <sup>th</sup> April to 06 <sup>th</sup> May, 2021)							Weather Parameters		Forecasted weather parameters for forthcoming 5 day's (Valid for 08 <sup>th</sup> to 12 <sup>th</sup> May, 2021)				
30/04	01/05	02/05	03/05	04/05	05/05	06/05	Date		08/05	09/05	10/05	11/05	12/05
0.0	0.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)		5	17	20	8	7
39.0	39.0	39.0	39.0	38.5	38.0	38.0	Temp. maximum (°C)		37	36	36	36	36
20.5	21.0	22.0	23.0	23.0	23.5	25.5	Temp. minimum (°C)		25	25	25	24	24
Clear	Clear	Clear	Clear	Clear	Clear	Cloudy	AM	Cloud Cover (Octa.)	5	4	7	6	5
Clear	Clear	Clear	Clear	Clear	Clear	Cloudy	PM						
69	84	84	92	77	77	77	RH - I (%)		80	80	79	77	75
44	47	45	44	53	53	53	RH - II (%)		67	68	61	62	63
2.2	2.9	2.1	2.0	2.1	1.6	2.2	Wind Speed (km/hr.)		006	007	006	007	007
Calm	Calm	Calm	Calm	Calm	Calm	Calm	AM	Wind Direction	Easterly North East	South East	Westerly/ South West	Westerly/ South West	Northerly/ North West
WNW	WSW	WSW	WNW	WNW	WNW	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		24.8			0.0			0.0					

**General Weather conditions in forthcoming 5 days:** In Sindhudurg district, light rain are expected in isolated places on 8<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> May and moderate rain on 9<sup>th</sup> and 10<sup>th</sup> in isolated places between 8<sup>th</sup> to 12<sup>th</sup> May, 2021. Maximum and minimum temperatures remaining stable and humidity is likely to increase. The weather is also likely to be humid and mainly cloudy. This forecast has been made by the Regional Meteorological Center, Mumbai.

Extended Range Forecast	Rainfall	South Konkan and Goa meteorological sub-divisions are likely to receive above normal rainfall between May 12 <sup>th</sup> to 18 <sup>th</sup> . (Although the normal rainfall during this period is 0.29 mm, it is expected to be 0.34 mm this year and it is expected to be 18.25% higher than the normal.)
	Maximum & Minimum Temperature	In South Konkan and Goa meteorological subdivisions the maximum and minimum temperatures is expected to be normal between May 12 <sup>th</sup> to 18 <sup>th</sup> . (Although the normal maximum and minimum temperatures during this period are 34.99 and 24.44 degrees Celsius respectively, it is expected to be 34.02 and 24.57 degrees Celsius respectively during this period of current year, max. temperature is 0.97°C lesser than the normal and min. temperature is 0.13°C higher than the normal.)

**Warning:** In Sindhudurg district, light rain and thunderstorm accompanied with lightening is expected in few places on May 08<sup>th</sup> and light rain and thunderstorm accompanied with lightening is expected in isolated places in Sindhudurg district on May 9<sup>th</sup>.

**General Advisory:** Considering the possibility of thunderstorm accompanied with lightning and light rain in the sindhudurg district from 08<sup>th</sup> and 9<sup>th</sup> May, 2021 "Damini App" should be used to get the proper information regarding lightning in surrounding areas. Shepherds should not take shelter of trees with herds of goats / sheep left to graze in the open during lightning and light rains. There is a risk of lightning strikes on the tree, which could lead to the loss of human life and the lives of the animals. Considering the increase in maximum and minimum temperature in the next 5 days, clean cold water for drinking and green wet tea should be provided to the animals if available.

**SMS Advisory:** Light rain and thunderstorm accompanied with lightning is expected in isolated places in Sindhudurg district from 8<sup>th</sup> and 9<sup>th</sup> May, 2021.

**Weather Forecast Based Agro-Advice**

Name of Crop	Growth Stage	Crop specific Advisory
Mango	Harvesting	<p>Clean the field which is selected for mango plantation by cutting trees, shrubs and bushes.</p> <p>Before onset of monsoon in the month of April-May dug out 1x1x1m. size pit at 10x10 m. distance and fill this pit with good soil and 3-4 ghamela of compost of cow dung and 3kg single super phosphate and prepare pit for plantation of mango.</p> <p>Considering the possibility of light rain and thunderstorms accompanied with lightning in few/isolated places during the period from 8<sup>th</sup> and 9<sup>th</sup> May, 2021, newly planted mango grafts should be supported with bamboo sticks.</p> <p>The Mango fruits are egg size stage and in mature size stage in some parts in the district. Considering the possibility of light rain and thunderstorms accompanied with lightning in few/isolated places during the period from 8<sup>th</sup> and 9<sup>th</sup> May, 2021 in next 5 days, Harvest the mature fruits within next 3 days 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.</p> <p>Considering the possibility of light rain and thunderstorms accompanied with lightning in few/isolated places during the period from 8<sup>th</sup> and 9<sup>th</sup> May, 2021 in next 5 days, rains should not cause damage to fruits due to anthracnose. in order to prevent the spread of anthracnose disease on immature 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°C for 10 minutes.</p>

		<p>Considering the possibility of light rain in isolated places on 08<sup>th</sup> and 9<sup>th</sup> May, 2021 in next 5 days, 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>Considering increase in maximum and minimum temperature 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>
Cashew nut	Harvesting	<p>Plantation of Cashew nut is done by using grafts.</p> <p>In the month of April and May dugout the pit of 7x7m or 8x8m with size of 0.6x0.6x0.6m.</p> <p>Fill the pit with 1 to 2 ghamela of compost, 1 to 2 kg Single super phosphate or Bone meal.</p> <p>155 to 200 plants can be fit in 1 ha of area. For controlling Termite dusting of 2% Methyl parathion 50gm powder per pit.</p> <p>Create shade in new cashew plantation with the help of shade net. Also irrigate the basins and mulch with leaves, paddy straw or weed.</p> <p>Considering the possibility of light rain and thunderstorms accompanied with lightning in few/isolated places during the period from 8<sup>th</sup> and 9<sup>th</sup> May, 2021, newly planted cashew grafts should be supported with bamboo sticks.</p> <p>Considering the possibility of light rain in isolated places on 08<sup>th</sup> to 12<sup>th</sup> May, 2021 in next 5 days, In the place where the harvestable seed is ready in cashew, harvesting should be completed in the morning session and the seeds should be dried properly in the sun.</p>
Coconut	Fruit Development	<p>Considering the possibility of light rain and thunderstorms accompanied with lightning in few/isolated places during the period from 8<sup>th</sup> and 9<sup>th</sup> May, 2021, newly planted coconut seedlings should be supported with bamboo sticks.</p>
Arecanut	Fruit Development	<p>Considering the possibility of light rain and thunderstorms accompanied with lightning in few/isolated places during the period from 8<sup>th</sup> and 9<sup>th</sup> May, 2021, newly planted arecanut seedlings should be supported with bamboo sticks.</p>
Wayangani Rice	Rabi Rice-Maturity to Harvesting Kharif - Land Preparation	<p>Ploughing the field after harvest to destroy the stubbles is suggested. In the areas where the harvesting is completed, in such areas plough the field and make arrangements for cultural operations for kharif season and preparation of rice nursery.</p> <p>Procure improved seeds of rice, groundnut and nagli.</p> <p>Some varieties of rice are in harvesting stage. Removal of water from the field at least 8-10 days before harvesting. At the time of harvesting grains should be 90 % mature.</p> <p>Considering the possibility of light rain in isolated places on 08<sup>th</sup> to 12<sup>th</sup> May, 2021 in next 5 days, harvest should be done by looking the rainfall forecast. If harvesting is required, the harvest should be completed as early as possible and the harvested crop should be threshed immediately and dried in a safer place in the shade.</p> <p>Harvesting of matured rice with the help of Vaibhav sickle developed by the University is advocated.</p>
Groundnut	Harvesting	<p>In some places the groundnut crop is in the maturity stage. Harvestable peanuts should be harvested as per maturity signs of groundnut leaves turn yellow and fall, as well as if the inner skin of the pods is black and the peanuts have the right color (pink in colour). Harvested pods should be dried in the sun for 4 to 5 days and then stored.</p> <p>Considering the possibility of light rain in isolated places on 08<sup>th</sup> to 12<sup>th</sup> May, 2021 in the next 5 days, groundnut should be harvested by looking the rainfall forecast. If harvesting is required, it should be completed as early as possible.</p>
Horse gram	Harvesting	<p>Considering the possibility of light rains in isolated places on 08<sup>th</sup> to 12<sup>th</sup> May, 2021 in the next 5 days, harvesting of Horse gram crop should be done by looking the rainfall forecast. The prepared pods should be removed in the morning and dried well in the sun.</p>
Cowpea	Harvesting	<p>Considering the possibility of light rains in isolated places on 08<sup>th</sup> and 9<sup>th</sup> May, 2021 in the next 5 days, harvesting of Cowpea crop should be done by looking the rainfall forecast. The prepared pods should be removed in the morning and dried well in the sun.</p>
Kadva Wal	Harvesting	<p>Considering the possibility of light rains in isolated places on 08<sup>th</sup> to 12<sup>th</sup> May, 2021 in the next 5 days, harvesting of Kadva wal crop should be done by looking the rainfall forecast. The prepared pods should be removed in the morning and dried well in the sun.</p>
Dairy Animals/ Goat	-	<p>Considering the possibility of light rain in some / isolated places with thunderstorm and lightning during the next 5 days between 08<sup>th</sup> and 09<sup>th</sup> May, 2021, the animals should be protected from lightning and kept in a safe place. Animals should not be tied under a tree during lightning strikes and should be kept in a safe place in a barn.</p> <p>Shepherds should not take shelter of trees with herds of goats / sheep left to graze in the open during lightning and light rains. There is a risk of lightning strikes on the tree, which could lead to the loss of human life and the lives of the animals.</p> <p>Considering the increase in maximum and minimum temperature in the next 5 days, clean cold water for drinking and green wet tea should be provided to the animals if available.</p> <p>Properly protect the animals from the midday heat. Care should be taken to keep the air flowing in the barn.</p>
Poultry	-	<p>Considering increase in maximum and minimum temperature in 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>
Fruit processing		Make processed preservative products from fruits of Mango, Jackfruit, Jamun, Kokum, Karonda as per availability of fruits.
This Agro Advisory Bulletin (AAB) is prepared and published with the consultation 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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