



Ministry of Earth Science, India Meteorological Department is collaborated with
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Agro Advisory Bulletin For The District – Sindhudurg.
(Period 14th to 18th May, 2021)



Issue 39/2021							Date 13.05.2021		Duration 5 Day's				
Actual weather parameters recorded during last week (Dated 06 th to 12 th May, 2021)							Weather Parameters		Forecasted weather parameters for forthcoming 5 day's (Valid for 14 th to 18 th May, 2021)				
06/05	07/05	08/05	09/05	10/08	11/05	12/08	Date		14/05	15/05	16/05	17/05	18/05
0.0	0.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)		14	4	24	96	60
38.0	36.0	36.0	38.0	39.0	38.5	37.5	Temp. maximum (°C)		35	39	39	35	35
25.5	25.5	25.0	25.5	24.5	25.0	24.5	Temp. minimum (°C)		26	28	29	27	26
Cloudy	Cloudy	Cloudy	Cloudy	Clear	Clear	Cloudy	AM	Cloud Cover (Octa.)	8	8	8	8	8
Cloudy	Cloudy	Cloudy	Cloudy	Clear	Cloudy	Cloudy	PM						
77	85	85	82	78	82	85	RH - I (%)		76	73	66	84	89
53	59	53	47	53	53	48	RH - II (%)		51	40	30	64	80
2.2	2.3	2.2	1.6	2.2	2.1	1.9	Wind Speed (km/hr.)		008	013	028	041	018
Calm	Calm	Calm	Calm	Calm	Calm	Calm	AM	Wind Direction	North West	Southerly/ South West	Northerly/ North East	South	South
WSW	WSW	WSW	WSW	ESE	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 14th and 15th May, moderate rain in many places on 16th May and heavy and moderate rainfall in most places on 17th and 18th May respectively. The maximum and minimum temperatures have risen sharply and the humidity is also likely to rise sharply. The weather is likely to be humid and completely cloudy. This forecast has been made by the Regional Meteorological Center, Mumbai.

Extended Range Forecast:
South Konkan and Goa meteorological sub-divisions are likely to receive above normal rainfall between May 19th to 25th. (Although the normal rainfall during this period is 0.57 mm, it is expected to be 7.17 mm this year and it is expected to be 1150.18% lesser than the normal.)

Warning:
In Sindhudurg district, during the next five days from 14th to 18th May, light rain is expected with thunderstorms at isolated places on 14th and 15th May. There will be possibility of heavy rains with thunderstorms in many places on 16th May, and also there will be possibility of heavy to very heavy rains on 17th and 18th May in most places. This warning has been made by the Regional Meteorological Center, Mumbai.

General Advisory:
A low pressure area has formed near Lakshadweep in the equatorial and southeastern Arabian Sea on May 13 at an altitude of 3.1 km above sea level and is expected to become well marked near Lakshadweep on the morning of May 14. The low pressure area is likely to intensify on May 15 and turn into a cyclonic storm on May 16. It is likely to intensify further and move north ward and hit the Gujarat and Pakistan coasts on May 18 in the evening. As a result, the speed of the wind will increase and the sea will be in a rough state. Marine fishermen should not go deep sea fishing in next 5 days.
As the wind speed is likely to be 50 to 60 kmph due to the cyclonic storm, if there are any dangerous trees or tree branches near the house or settlement, they should be cut down immediately and all the citizens and farmers in Sindhudurg district are urged to Stay in a safer place.

SMS Advisory:
In Sindhudurg district, heavy rains are expected in most places on May 17th and 18th due to cyclonic storm. "Tauktae"

Weather Forecast Based Agro-Advice

Name of Crop	Growth Stage	Crop specific Advisory
Mango	Harvesting	<p>Considering the possibility of light to heavy rains with gusts of wind and thunderstorms in most parts of the district during the period from 14th to 18th May, 2021, Newly planted and usually up to 2 years old mango grafts should not be broken in windstorm, so newly planted mango grafts should be supported with bamboo sticks.</p> <p>Mango crop in most parts of the district is large in size and harvested. Considering the possibility of light to heavy rains with gusts of wind and thunderstorms in most parts of the district from 14th to 18th May, 2021, fruits should be removed as soon as possible at 80 to 85% maturity with the help of Nutan mango harvester before 10 in the morning and after 4 in the afternoon.</p> <p>The maximum and minimum temperatures are expected to rise in the next 5 days and convectional type of rain is expected. Prepared 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. Fruits should not be transported in day time.</p> <p>Due to the possibility of light to heavy rains with gusts of wind and thunderstorms in most parts of the district from 14th to 18th May, 2021. Carbendazim 50% water soluble powder (10 gm per 10 liters of water) should be sprayed on mango crop to prevent anthracnose. 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>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</p>

		ghamela of compost of cow dung and 3kg single super phosphate and prepare pit for plantation of mango.
Cashew nut	New Plantation	<p>Considering the possibility of light to heavy rains with gusts of wind and thunderstorms in most parts of the district during the period from 14th to 18th May, 2021, Newly planted and usually up to 2 years old cashew grafts should not be broken in windstorm, so newly planted cashew grafts should be supported with bamboo sticks.</p> <p>As the cyclone is likely to increase the wind speed and damage the branches of the cashew trees in the coastal area, the broken branches should be removed and arrangements should be made to apply Bordeaux paste on the area.</p> <p>Due to high winds speed and cyclone, branches of cashew trees may be damaged in many places near the beach. The broken branches should be removed, outbreak of Cashew Stem Rot Borer may be found in injured area to control cashew stem rot borer remove the bark of affected stem with help of 15 mm knife and remove the cashew stem rot borer from stem and soak the stem in to the paste of Cloropyriphos 20% EC @ 10 ml. per 10 liter of water or fipronil 5% SC @ 2 ml per liter of water (5 liter of water is sufficient for one tree) is advocated. 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>
Coconut	Fruit Development	<p>Considering the possibility of light to heavy rains with gusts of wind and thunderstorms in most parts of the district during the period from 14th to 18th May, 2021, Newly planted and usually up to 2 years old coconut seedling should not be broken in windstorm, so newly planted coconut seedling should be supported with bamboo sticks.</p> <p>For coconut plantation pits of 1 x 1 x 1 m. at a distance of 7.5 x 7.5 m and expose them to sunlight. Fill the pits with mixture of soil, 30 to 40 kg of FYM or Compost and 1 kg single super phosphate.</p>
Arecanut	Fruit Development	<p>Considering the possibility of light to heavy rains with gusts of wind and thunderstorms in most parts of the district during the period from 14th to 18th May, 2021, Newly planted and usually up to 2 years old arecanut seedling should not be broken in windstorm, so newly planted arecanut seedling should be supported with bamboo sticks.</p> <p>For arecanut plantation pits of 0.6 x 0.6 x 0.6 m. at a distance of 2.7 x 2.7 m and expose them to sunlight. Fill the pits with mixture of soil, 30 to 40 kg of FYM or Compost and 1 kg single super phosphate.</p>
Kharif Rice	Kharif - Land Preparation	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.
Banana	Fruit Development	Considering the possibility of light to heavy rains with gusts of wind and thunderstorms in most parts of the district from 14th to 18th May, 2021, banana trees should be supported by bamboo sticks so that banana trees do not fall in storms. Drain excess water from the banana orchard
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 to heavy rains with gusts of wind and thunderstorms in most parts of the district from 14th to 18th May, 2021, groundnut should be harvested as early as possible and by looking rainfall forecast.</p>
Dairy Animals/ Goat	-	<p>Considering the possibility of light to heavy rains with gusts of wind and thunderstorms in most parts of the district from 14th to 18th 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>If the dairy shade are raw in condition, they should be arranged in good condition and if there is any dangerous tree or tree adjacent to the cow shade, they should be cut down immediately and the animals should be kept in a safe place under any circumstances.</p>
Poultry	-	Considering the possibility of light to heavy rains with gusts of wind and thunderstorms in most parts of the district from 14th to 18th May, 2021, cover the outside of the shed. Clean cold water should be provided for chickens as well as chicks for drinking.
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 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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