



Ministry of Earth Science, India Meteorological Department is collaborated with
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Agro Advisory Bulletin For The District – Sindhudurg.
(Period 05th to 09th May, 2021)



Issue 36/2021							Date 04.05.2021		Duration 5 Day's				
Actual weather parameters recorded during last week (Dated 27 th April to 03 rd May, 2021)							Weather Parameters		Forecasted weather parameters for forthcoming 5 day's (Valid for 05 th to 09 th May, 2021)				
27/04	28/04	29/04	30/04	01/05	02/05	03/05	Date		05/05	06/05	07/05	08/05	09/05
0.0	0.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)		5	3	1	1	8
38.0	38.0	38.0	39.0	39.0	39.0	39.0	Temp. maximum (°C)		35	35	34	34	34
23.0	22.5	24.5	20.5	21.0	22.0	23.0	Temp. minimum (°C)		23	22	23	23	23
Clear	Clear	Clear	Clear	Clear	Clear	Clear	AM	Cloud Cover (Octa.)	2	3	4	3	7
Clear	Clear	Clear	Clear	Clear	Clear	Clear	PM						
93	70	85	69	84	84	92	RH - I (%)		78	84	88	82	85
44	48	53	44	47	45	44	RH - II (%)		62	60	62	65	65
1.8	2.3	1.9	2.2	2.9	2.1	2.0	Wind Speed (km/hr.)		005	004	004	007	007
Calm	Calm	Calm	Calm	Calm	Calm	Calm	AM	Wind Direction	South West	South East	Southerly/ South East	South	North West
WNW	WNW	WSW	WNW	WSW	WSW	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			24.8			0.0			0.0				

General Weather conditions in forthcoming 5 days: In Sindhudurg district, light rain is expected in isolated places on 05th to 9th May in next five days. At the same time, the maximum and minimum temperature remaining stable as well as humidity is likely to increase. The weather is also likely to be humid and partly 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 09 th to 15 th . (Although the normal rainfall during this period is 0.20 mm, it is expected to be 1.22 mm this year and it is expected to be 500.96% 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 09 th to 15 th . (Although the normal maximum and minimum temperatures during this period are 35.08 and 24.31 degrees Celsius respectively, it is expected to be 34.82 and 25.14 degrees Celsius respectively during this period of current year, max. temperature is 0.27°C lesser than the normal and min. temperature is 0.82°C higher than the normal.)

Warning: The Regional Meteorological Center, Mumbai has warned of light rain with thunderstorms in isolated places in Sindhudurg district on May 8th and 9th in the next five days.

General Advisory: Considering the possibility of thunderstorm accompanied with lightning and light rain in the sindhudurg district from 08th and 9th May, 2021 "Damini App" should be used to get the proper information regarding lightning in surrounding areas. Seeds of various varieties required for sowing kharif paddy and groundnut crop are available at Agricultural Research Station, Phondaghat. (Paddy -: Karjat-2, Karjat-9, Ratnagiri-8)

SMS Advisory: Light rain with thunderstorm in isolated places is expected in Sindhudurg district from 8th and 9th May, 2021.

Weather Forecast Based Agro-Advice

Name of Crop	Growth Stage	Crop specific Advisory
Mango	Harvesting	<p>Considering the possibility of thunderstorms with light rain in isolated places during the period from 8th and 9th 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 in isolated places on 08th and 9th 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 in isolated places on 08th and 9th 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 08th and 9th 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> <p>Considering increase in maximum and minimum temperature in the next 5 days, If water is available, apply 80-100 liters per plant at interval</p>

		<p>of 7 days. To reduce evaporation, mulch the basins of mango graft with grasses and leaves in lateritic soil.</p> <p>Considering increase in maximum and minimum temperature in the next 5 days, to reduce evaporation, mulch the basins of mango graft with grasses and leaves in lateritic soil.</p> <p>Considering increase in maximum and minimum temperature in the next 5 days, newly planted mango graft should be shaded with shade net to protect them from the sun.</p> <p>Considering increase in maximum and minimum temperature in the next 5 days, to decrease fruit drop in mango it is recommended that cover the fruit with paper bags.</p>
Cashew nut	Harvesting	<p>Considering the possibility of thunderstorms with light rain in isolated places during the period from 08th and 9th May, 2021, newly planted cashew grafts should be supported with bamboo sticks.</p> <p>Considering the possibility of light rain in isolated places on 08th and 9th 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> <p>Considering increase in maximum and minimum temperature in the next 5 days, newly planted cashew graft should be shaded with shade net to protect them from the sun.</p> <p>Considering increase in maximum and minimum temperature in 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>
Coconut	Fruit Development	<p>Considering the possibility of thunderstorms with light rain in isolated places during the period from 08th and 9th May, 2021, newly planted coconut seedlings should be supported with bamboo sticks.</p> <p>Considering increase in maximum and minimum temperature in the next 5 days, Coconut seedlings should be watered at intervals of 8 to 10 days.</p> <p>Considering increase in maximum and minimum temperature in the next 5 days, Newly planted coconut seedling should be shaded with shade net to protect them from the sun.</p>
Arecanut	Fruit Development	<p>Considering the possibility of thunderstorms with light rain in isolated places during the period from 08th and 9th May, 2021, newly planted arecanut seedlings should be supported with bamboo sticks.</p> <p>Considering increase in maximum and minimum temperature in the next 5 days, Arecanut seedlings should be watered at intervals of 8 to 10 days.</p>
Wayangani Rice	Rabi Rice-Maturity 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 08th and 9th 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 ad vocated.</p>
Groundnut	Pod formation	<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 08th and 9th 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> <p>In some places the groundnut crop is in a stage of grain filling. Due to increase in temperature, groundnut crop should be given extra irrigation if required during grain filling stage.</p>
Horse gram	Harvesting	<p>Considering the possibility of light rains in isolated places on 08th and 9th 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 08th and 9th 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 08th and 9th 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	-	<p>Considering the possibility of light rain in isolated places with thunderstorm and lightning on 08th and 9th May, 2021, animals should be protected from lightning and should be tether in safer places.</p> <p>Considering increase in maximum and minimum temperature in 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 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 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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