



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 10th to 14th October, 2020)



Issue 80/2020							Date 09.10.2020		Duration 5 Days				
Actual weather parameters recorded during last week (Dated 02 nd to 08 th October, 2020)							Weather Parameters		Forecasted weather parameters for forthcoming 5 day's (Valid for 10 th to 14 th October, 2020)				
02/10	03/10	04/10	05/10	06/10	07/10	08/10	Date		10/10	11/10	12/10	13/10	14/10
18.3	10.6	6.5	8.4	0.0	0.0	0.0	Rainfall (mm)		7	7	12	6	16
33.0	33.0	33.0	33.0	33.0	33.0	35.0	Temp. maximum (°C)		35	34	34	33	33
23.0	22.0	23.0	22.5	23.0	23.5	25.0	Temp. minimum (°C)		25	25	25	26	26
Clear	Cloudy	Cloudy	Cloudy	Clear	Clear	Clear	AM	Cloud Cover (Octa.)	3	7	8	8	8
Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	PM						
96	95	92	93	96	98	98	RH - I (%)		92	94	95	93	94
60	67	67	78	73	71	62	RH - II (%)		65	69	82	86	77
0.2	0.2	0.2	0.2	0.0	0.4	0.3	Wind Speed (km/hr.)		004	005	004	005	004
Calm	Calm	Calm	Calm	Calm	Calm	Calm	AM	Wind Direction	South West	South West	Southerly/ South East	South	South
Calm	WSW	Calm	WSW	WSW	Calm	WNW	PM						
Rainfall (mm) in last year (2019)			Rainfall (mm) from 01/01/20 to till dated			Rainfall (mm) from 01/06/20 to till dated			Rainfall (mm) in last week				
4591.0			4554.4			4551.2			43.8				

General Weather conditions in forthcoming 5 days:
In Sindhudurg district during the next five days from 10th to 14th October, 2020, light rain are expected in isolated places on 10th and 11th October, light showers in some places on 12th October and light to moderate showers in most places on 13th and 14th October. At the same time, the temperature is likely to rise slightly and the weather will be humid and mainly cloudy. This forecast has been made by the Regional Meteorological Center, Mumbai.

Warning:
Thunderstorms accompanied with lightning is expected in isolated places on 10th to 12th October in Sindhudurg district. However, heavy rainfall at isolated places as well as thunderstorm accompanied with lightning is expected on 13th and 14th October in the district.

General Advisory
As light rain is expected in scattered places with thunderstorms accompanied with lightning from 10th to 14th October, 2020, farmers should be careful while working in the fields to avoid lightning. Also, to protect the dairy animals released from grazing from lightning, the dairy animals should be kept in a safer place.

SMS Advisory
Considering the possibility of thunderstorms accompanied with lightning in Sindhudurg district in the next 5 days, harvested and threshed agricultural produce should be stored in a safer place.

Weather Forecast Based Agro-Advice

Name of Crop	Growth Stage	Advisory
Paddy	Early varieties:- Harvesting	There was light to moderate rain last week and light to moderate rain is expected in the next five days. In Sindhudurg district on 13 th and 14 th October, there is a possibility of heavy rain with thunderstorm accompanied with lightning in isolated places so rice should not be harvested on these two days. Also, in the next 3 days, rice harvesting should be done by looking at the rainfall forecast. Considering the possibility of very light rains in the next 3 days, the harvest of early paddy varieties should be started. If early paddy varieties are ready to be harvested, arrangements should be made to remove water from the field 8 to 10 days before harvest. No pesticide / fungicide spray or dusting should be done on paddy 8 days before harvesting. In some places early rice varieties are ready for harvest. The paddy should be cut near the ground from morning to noon at the place where the paddy is ready for harvesting.
	Mid late & late varieties :- Flowering to grain filling	The harvested paddy crop should be followed by threshing and keeping the grains in a dry and safe place for drying. Vaibhav sickle developed by the university should be used for paddy harvesting so that the paddy is cut near the ground. Arrangements should be made to keep the paddy crop straw in a safe place after threshing. So that the straw will not get wet in the rain and good fodder will be available to the animals. In the district late varieties are in flowering to grain filling stage and in such places 5 to 10 cm water level should be kept. In some places in the district where late rice varieties are in the stage of flowering to grain filling, apply third dose of nitrogen fertilizer (435 gm urea per guntha area) at crop flowering stage. Fertilizer application should be done in the absence of rainy conditions.
Finger Millet	Panicle initiation	According to the weather forecast, light rains is expected from October 10 to 12, 2020. In the morning, the earheads of the early Finger Millet crop should be cut with a sickle and spread in a dry and safe place for drying and threshed after drying.
Groundnut	Flowering to Peg formation	The groundnut crop is in flowering stage and some early varieties is in peg formation stage so drum rolling operation should be carried out to increase number of pods ultimately production will be increased. At some places groundnut crop is in peg initiation stage, so proper care of the crop should be taken. If the incidence of aphids is

		<p>observed in groundnut crop, then farmers are suggested to apply Dimethoate @ 10 ml per 10 litres of water for its control.</p> <p>If the incidence of Tikka disease is noticed on groundnut crop, then farmers are advocated to apply Carbendazim @ 10 gms or Dithane M-45 @ 20 gms per 10 litres of water for its control.</p>
Mango	New flush	<p>Keep the paclobutrazol applied trees free from weeds by weeding or applying weedicide Gramoxone. Sanitation of Mango orchard is advocated.</p> <p>Due to the sudden and intermittent rain, rise in temperature and cloudy weather the incidence of pest may occur on the new flush on mango so protect the new flush from mango hoppers, leaf eating caterpillars, shoot borer and midge fly. If incidence is noticed, spraying with Dimethoate 25 EC @ 12 ml or Monocrotophos 36 WSC @ 11 ml per 10 litres of water as per need is advocated.</p> <p>For control of anthracnose on new flush of mango, application of Propineb @ 20 gm. or Thiophenate methyl @ 10 gm. or Carbendazim @ 10 gm. per 10 liter of water as per need is advocated.</p> <p>For control of dieback disease of mango, spraying with copper oxychloride 0.3 per cent (30 gms/10 litres of water) or 1% Bordeaux mixture is advocated. If there is oozing of gum from matured branches, then scrap the infected branch and apply paste of Copper oxychloride or Bordeaux mixture to the affected portion.</p> <p>Cutting diseased, dried branches, Loranthus parasite and apply 1 per cent Bordeaux mixture to the cut surface is advocated.</p> <p>At time of spraying sticky substance like sticker should be mix with pesticide/fungicide solution @ 1 ml/liter of water.</p>
Cashew nut	-	<p>In a large cashew orchard, clean the orchard by removing weeds and shrubs.</p> <p>Due to the sudden and intermittent rain, rise in temperature and cloudy weather Cashew orchards are getting new leaves flush in the district Cashew growers should be vigilant to prevent the infestation of Tea mosquito bug, In case of infestation, monocrotophos 36% EC @ 15 ml or lambda cyhalothrin 5% @ 6 ml. Spray in 10 liters of water.</p> <p>If the incidence CSRB is noticed in cashew, remove the grubs with the help of 15 mm chisel and soak the stem in to the paste of fipronil 5% SC @ 2 ml per liter of water (5 liter of water is sufficient for one tree) is advocated.</p> <p>To control Dieback disease on cashews, cut the branches and apply 1% Bordeaux paste on it. After the end of rainfall season, spray 1% Bordeaux mixture all over the garden.</p> <p>At time of spraying sticky substance like sticker should be mix with pesticide/fungicide solution @ 1 ml/liter of water.</p>
Coconut	Fruit Development	Newly planted coconut seedlings should be shaded with shade net for the first 2 years as the temperature may rise.
Arecanut	Fruit Development	Newly planted arecanut seedlings should be shaded with shade net for the first 2 years as the temperature may rise. Koleroga (fruit drop) disease of Arecanut, spraying of 1% Bordo mixture in the orchard is suggested.
Vegetable	Fruiting	Protect the vegetables crops from pests like leaf eating caterpillars, aphids etc. by spraying 2 ml of Malathion or 1.5 ml of Dimethoate per litre of water for their control.
Dairy Animal, Goat	-	As light rain is expected in scattered places with thunderstorms accompanied with lightning from 10 th to 14 th October, 2020, farmers should be careful while working in the fields to avoid lightning. Also, to protect the dairy animals released from grazing from lightning, the dairy animals should be kept in a safer place.
<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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