



Ministry of Earth Science, India Meteorological Department is collaborated with
Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli,
Gramin Krishi Mousam Sewa,
College of Horticulture, Mulde
Agro Advisory Bulletin For The District – Sindhudurg.
(Period 30th December,2020 to 03rd January, 2021)



Issue 103/2020

Date 29.12.2020

Duration 5 Day's

Actual weather parameters recorded during last week
(Dated 22nd to 28th December, 2020)

Weather Parameters

Forecasted weather parameters for forthcoming 5 day's
(Valid for 30th December,2020 to 03rd January, 2021)

22/12	23/12	24/12	25/12	26/12	27/12	28/12	Date	30/12	31/12	01/01	02/01	03/01
0.0	0.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
34.0	35.0	35.0	35.5	35.5	36.0	35.0	Temp. maximum (°C)	34	35	35	35	34
13.5	13.5	17.0	17.0	16.0	16.5	16.5	Temp. minimum (°C)	20	21	21	20	20
Clear	Clear	Clear	Clear	Clear	Clear	Clear	AM Cloud Cover	1	3	3	2	4
Clear	Clear	Clear	Clear	Clear	Clear	Clear	PM (Octa.)					
89	93	90	92	92	90	90	RH - I (%)	72	64	68	59	59
30	31	41	37	38	42	33	RH - II (%)	34	29	37	28	23
0.9	0.6	0.7	0.9	1.0	0.2	0.5	Wind Speed (km/hr.)	007	009	008	009	009
Calm	Calm	Calm	Calm	Calm	Calm	Calm	AM Wind	Easterly / North East	East	East	East	East
WSW	WNW	WNW	WSW	ENE	ENE	WNW	PM Direction					

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	4849.0	4845.8	0.0

General Weather conditions in forthcoming 5 days: In Sindhudurg district, the rainfall is likely to remain dry for the next five days between December 30th, 2020 to 03rd January, 2021. The maximum and minimum temperatures are likely to remain stable and the humidity is likely to decrease and the weather is likely to remain dry and partly cloudy. This forecast has been made by the Regional Meteorological Center, Mumbai.

Warning: No rain warning has been issued by the Regional Meteorological Center, Mumbai for the next five days in Sindhudurg district.

General Advisory: Considering the possibility of dry weather due to decrease in relative humidity in the next 5 days, the newly planted grafts should be cleaned and the area around the grafts should be dug and round basin should be prepared for watering and cover it with dried grasses and dry leaves.

SMS Advisory: Irrigation should be given to the newly planted cashew graft of 2 years @ 30 liter of water per graft at the interval of 15 days.

Weather Forecast Based Agro-Advice

Name of Crop	Growth Stage	Crop specific Advisory
Mango	Bud Bursting	At present, the new flush in mango are become mature and the mango crop is in the stage of bud bursting. Also, low temperature and normal climate are conducive to mango crop and it is expected to bloom in next few days. However, due to cloudy weather, mango growers need to be vigilant against the outbreak of hopper, shoot borer pest and powdery mildew disease. For their control if required spraying of 20% quinolphos 20 ml Or 20 per cent carbaryl WSP Spray 20 gm or 50% Profenofos 10 ml + Carbendazim 10 gm or 80% water soluble sulfur 20 gm per 10 liters of water on the whole plant. In the district the incidence of thrips may be observed on bud bursting stage of mango trees due to change in weather conditions. For their control application of 45 per cent Spinosad 2.5 ml per 10 litres of water is suggested.
Cashew nut	Flowering to Fruit set	Irrigation should be given to the newly planted cashew graft of 2 years @ 30 liter of water per graft at the interval of 15 days. Considering the possibility of dry weather due to decrease in relative humidity in the next 5 days, the newly planted grafts should be cleaned and the area around the grafts should be dug and round basin should be prepared for watering and cover it with dried grasses and dry leaves. The bloom in the cashew is in the stage of maturation. Considering the possibility of fruiting in the next few days, cashew growers need to be vigilant against infestation of Tea mosquito bug and Thrips on flower and apple. However, it is necessary to protect the cashew nuts flowers and apples from Tea mosquito bug and Thrips. In case of infestation, liquid monocrotophos 36% 15 ml is used for control Or lambda cyhalothrin 5% 6 ml. Or Profenofos 50% solution / 10 ml. Per 10 liters. Spray with water.
Banana	-	For control of bunchy top disease in banana, cut the diseased plants along with the rhizomes and destroy them. Use disease free rhizomes at the time of planting. If the attack of banana aphids is noticed apply Dimethoate @ 15 ml per 10 litres of water three times at 15 days interval.
Coconut	Fruit Development	Considering the decrease in humidity, the rate of evaporation is likely to increase in the next 5 days Coconut seedlings should be watered at intervals of 8 to 10 days.
Arecanut	Fruit Development	Considering the decrease in humidity, the rate of evaporation is likely to increase in the next 5 days Arecanut seedlings should be watered at intervals of 8 to 10 days.
Wayangani Rice	Seedling	The sowing of <i>rabi</i> rice should be completed as early as possible. Use improved, high yielding and certified seeds for sowing of <i>rabi</i> rice. If the seedlings have attained an age of 15 days, then apply 1 kg urea or 2 kg ammonium sulphate per 1 R area of Rice nursery.

Groundnut	Seedling	Considering the decrease in humidity, light watering should be given 3 days after sowing of groundnut and then at intervals of 10 to 12 days.
Horse gram	Branching	Horsegram does not need water if there is ample amount of residual moisture present in soil. However, in low moisture soils, the crop should be watered twice during flowering and pod filling period. If more water is given than required, the crop will not flower and only branch growth will continue. Excessive use of water should be avoided for this. Considering the possibility of cloudy weather and decrease in humidity in the next 5 days, there is a possibility of infestation of aphids and leaf-eating larvae on Horse gram crop. For control, spray 15 ml of dimethoate per 10 liters of water on the crop.
Cowpea	Branching	Cowpea does not need water if there is ample amount of residual moisture present in soil. However, in low moisture soils, the crop should be watered twice during flowering and pod filling period. If more water is given than required, the crop will not flower and only branch growth will continue. Excessive use of water should be avoided for this. Considering the possibility of cloudy weather and decrease in humidity in the next 5 days, there is a possibility of infestation of aphids and leaf-eating larvae on Cowpea crop. For control, spray 15 ml of dimethoate per 10 liters of water on the crop.
Kadva Wal	Branching	The soil must have moisture in all stages of crop growth. The crop should be watered twice during flowering and grain filling. Excess water causes branching and decreases yield.
Dairy Animals	-	As the minimum temperature drops at night, the animals should be covered with gunny bags at night to protect them from the cold.
Poultry		For protection of poultry birds from cold and cold winds during night, provide curtain/clothing from outside of poultry shed. Provide proper heat to small chicks of poultry with the help of electric bulbs.
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 style="text-align: center;">Dr. P.C. Haldavanekar Associate Dean and Nodal Officer Agro-Meteorological Field Unit (AMFU), Gramin Krishi Mousam Sewa, College of Horticulture, Mulde Tal. Kudal Dist. Sindhudurg (02362-244231,244272)</p>		<p style="text-align: center;">Dr. Y. C. Muthal Technical Officer Agro-Meteorological Field Unit (AMFU), Gramin Krishi Mousam Sewa, College of Horticulture, Mulde (02362-244231)</p>