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Gramin Krishi Mausam Sewa
Agriculture Research Station, Sindewahi, Dist. Chandrapur
Agro-Met Advisory Bulletin For
Gondia District



No.GKMS/AAB/95/ARS/863/2023

Date: 28th November 2023

Weather Parameters	Weather Forecast of Gondia district (Valid for dated 29 th November to 03 rd December 2023)				
Date	29/11/2023	30/11/2023	01/12/2023	02/12/2023	03/12/2023
Rainfall (mm)	36.0	13.2	2.6	2.3	0.0
Maximum Temperature (Deg C)	24.1	24.5	26.6	27.4	28.8
Minimum Temperature (Deg C)	15.6	15.5	15.9	16.2	16.1
Maximum Relative Humidity (%)	90	87	82	88	85
Minimum Relative Humidity (%)	66	65	64	60	61
Wind Speed (%)	4	6	4	5	5
Total Cloud Cover (Okta)	Cloudy	Cloudy	Partially Cloudy	Partially Cloudy	Partially Cloudy

Weather Forecast	As per the district level value added forecast given by, IMD, RMC, Nagpur, In Gondia district during next five days on dated 29 th November to 03 rd December 2023 sky will be partially cloudy to cloudy along with Maximum temperature 24.1 to 28.8 degree Celsius & Minimum temperature 15.5 to 16.2 degree Celsius & on dated 29 th November light to moderate rainfall very likely to occur at widespread/ most places & on dated 30 th November light to moderate rainfall very likely to occur at scattered/ few places and dated 01 st to 02 nd December very light to light rainfall very likely to occur at isolated/ one or two places.
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Warning	On dated 29 th to 30 th November Thunderstorm accompanied with lightning and light to moderate rainfall very likely to occur at isolated/ one or two places in Gondia district.
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Name of Crop	Stage	Weather based Agro-advisory
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General Advisory	<ul style="list-style-type: none"> ➤ In the view of light to moderate rainfall forecast at isolated/ one or two places, farmers are advice to carry out threshing of the matured Paddy crop and seed should be store at safe protected places. ➤ If threshing is not possible cover the harvested crop with tarpaulin. ➤ Due to cloudy weather and possibility of light to moderate rainfall, it is advised to farmer, for avoiding the losses of Agrochemicals spraying should be postponed. ➤ Considering the light to moderate forecast, farmers are advice to Avoid irrigation in rabi crops (Wheat, Chickpea, Mustard & Safflower). ➤ At APMC and Mandis buyer of agricultural commodities are advised that, do not store the farmer produced at open places to avoid the contact with rain. ➤ The farm produce arrival by farmer should be store under shade only to avoid the damaged due to rain. ➤ Avoid letting goats, sheep, and other animals graze in open spaces as there is a possibility of thunderstorm with lightning and light to moderate rainfall. ➤ If you hear thunder while working in the field, go to concrete buildings or safe places, take shelter in the open field at twice to four times the height of the tree without taking shelter under the tree. ➤ Use Damini - Lightning Alert mobile app to monitor lightning location and also use the information available in the app to protect against lightning
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Wheat	Sowing	<ul style="list-style-type: none"> ➤ Sowing can be done by using per hectare 125 to 150 kg seeds of Purna, PDKV-Sardar, AKAW-4627 late irrigated wheat varieties. ➤ Before sowing seeds should be applied with 2.5gram Thirum per kg of seed to avoid any bacterial disease after emergence. Along with apply 250gram Azotobacter and 250gram PSB per 10 kg of seed. ➤ Spacing between two rows should be 15 to 18cm. Fertilizer requirement dose of N:P:K is 40:40:40 Kg/ha.
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Chickpea	Vegetative Growth stage	<ul style="list-style-type: none"> ➤ For its proper growth keep the field weed free. Carry out intercultural in chickpea crop. ➤ To manage the initial incidence of pod borer (Helicoverpa) at vegetative stage install erect bird perches @ 20/ha randomly in the field to encourage predation by insectivorous birds. ➤ Monitor for incidence of Helicoverpa for above ETL level incidence (1-2 pod borer per plant or 5 % damage crops) undertake first spray of 5% NKSE OR Azadirachtin 300 PPM @ 50 ml per 10 litres of water OR Azadirachtin 1500 PPM @ 25 ml OR HaNPV (1x10⁹ POB/ml) 500 LE/ha, OR quinolphos 25%EC @ 20 ml OR Emamectin benzoate 5% SG @ 3 g OR Chlorantraniliprole 18.5 % SG @ 2.5 g per 10 litres of water.
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Linseed	Vegetative Growth stage	<ul style="list-style-type: none"> ➤ In linseed crop, carry out first hoeing after 25 days after sowing. ➤ For control of weeds in the linseed field, hand weeding should be done keep in the of weed intensity.
Safflower	Vegetative Growth stage	<ul style="list-style-type: none"> ➤ For its proper growth keep the field weed free. Carry out thinning operation after 10-12 days sowing and follow it after one month. ➤ Monitor for incidence of sap sucking aphids particularly in irrigated / late sown safflower crop and for above ETL level incidence (30% infested plants) undertake spray with dimethoate 30% EC @ 13 ml/10 litres of water.
Mustard	Vegetative Growth stage	<ul style="list-style-type: none"> ➤ For its proper growth keep the field weed free. Carry out thinning operation after 15-20 days sowing and follow it after one month.
RICE	Grain Maturity Stage	<ul style="list-style-type: none"> ➤ In the view of light to moderate rainfall forecast at isolated/ one or two places, farmers are advice to carry out threshing of the matured rice crop and seed should be store at safe protected places. ➤ If threshing is not possible cover the harvested crop with tarpaulin.
Pigeon Pea (Red Gram)	Flowering to pod development stage	<ul style="list-style-type: none"> ➤ To control above ETL level infestation of leaf eating caterpillar in Red Gram, on a clear weather day undertake spray of Quinolfos 25% EC 16ml or Emamectin Benzoate 5% SG 3g per 10 liters of water. ➤ Install pheromone traps at a distance of 50 m@ 5 / ha for monitoring of Helicoverpa. Monitor for the presence of eggs and small larvae. Erect bird perches randomly in the field to encourage predation by insectivorous birds.
Chilli	Flowering to Fruit	<ul style="list-style-type: none"> ➤ Due to cloudy weather condition and high humidity, there incidence of thrips and white fly on chilli crop, spraying should be taken of Emamectin Benzoate 5% WG 4 gm in 10 ml per 10 liters of water.
Animal Management		<ul style="list-style-type: none"> ➤ To protect livestock from cold weather, keep the animals indoor during night hours. Provide suitable bedding like paddy straw, wheat straw, saw dust etc. of 4-6-inch thickness to protect the animals from cold. The floor of the animal shed should be kept clean and dry. ➤ Provide clean and potable drinking water to animals round the clock. Clean the water trough (once in a week) regularly in livestock. ➤ Lucerne and Berseem fodder crops should be planted by the end of November for availability of nutritious fodder for animals.
Poultry		<ul style="list-style-type: none"> ➤ Avoid In the poultry, birds are required warmer during the winter days, so the number of light bulbs should be increase or change height from the ground as needed. ➤ The air in poultry shed should always be fresh. Do not allow cold or hot air to fall directly on them.

➤ **Note: Farmers should take necessary precautionary measures while spraying insecticide, fungicide, weedicides etc.**

➤ **It should be noted that the validity of the dates mentioned in the Weather Based Advisory Bulletins will be valid from 08:30 AM on the previous day to 08:30 AM on the said date.**

This Agro Advisory Bulletin (AAB) is prepared and published with the consolation and recommendation of SMS committee of "Gramin Krishi Mausam Sewa (GKMS)" Agriculture Research Station, Sindewahi, Dist. Chandrapur (M.S)

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