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



No.GKMS/AAB/94/ARS/849/2023

Date: 24th November 2023

Weather Parameters	Weather Forecast of Gondia district (Valid for dated 25 th to 29 th November 2023)				
Date	25/11/2023	26/11/2023	27/11/2023	28/11/2023	29/11/2023
Rainfall (mm)	0	0	0	7.0	7.0
Maximum Temperature (Deg C)	30.2	30.1	29.5	28.8	28.5
Minimum Temperature (Deg C)	16.5	16.6	17	16.1	15.5
Maximum Relative Humidity (%)	75	75	75	73	75
Minimum Relative Humidity (%)	48	48	45	45	45
Wind Speed (%)	1	2	8	10	12
Total Cloud Cover (Okta)	Partially Cloudy	Partially 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 25th to 29th November 2023 sky will be partially cloudy along with Maximum temperature 28.5 to 30.2 degree Celsius & Minimum temperature 15.5 to 17.0 degree Celsius & on dated 28th to 29th November very light to light rainfall very likely to occur at isolated/ one or two places.

Warning On dated 26th November Thunderstorm accompanied with lightning very likely to occur at isolated/ one or two places & on dated 28th to 29th November Thunderstorm accompanied with lightning and very light to light rainfall very likely to occur at isolated/ one or two places in Gondia district.

Name of Crop	Stage	Weather based Agro-advisory
General Advisory		<ul style="list-style-type: none"> ➤ In the view of light 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. ➤ Considering the rainfall forecast, farmers are advice to Avoid irrigation in rabi crops (Wheat, Chickpea, Mustard & Safflower). ➤ Insecticide & fungicide spraying should be done during clear weather condition. ➤ 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
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.
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.
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	➤ 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	➤ Late rice varieties: Remove off type if observed. ➤ Harvest the matured rice varieties close to the ground with the help of vaibhav sickle during morning hours, dry the harvested crop in sun and thresh it, on dry weather condition.
Pigeon Pea (Red Gram)	Flowering to pod development stage	➤ 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	➤ 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		➤ 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		➤ 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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