



Gramin Krishi Mausam Sewa
District Level Agromet Advisory Bulletin
 Dr. Punjabrao Deshmukh Krishi Vidyapeeth,
 Akola



Agromet Advisory Bulletin

Date : 23-02-2024

Weather Forecast of District BHANDARA(Maharashtra) Issued On : 2024-02-23(Valid Till 08:30 IST of the next 5 days)

Parameter	2024-02-24	2024-02-25	2024-02-26	2024-02-27	2024-02-28
Rainfall(mm)	0.0	0.0	6.1	10.1	2.3
Tmax(°C)	32.3	32.7	33.1	32.2	32.8
Tmin(°C)	16.4	16.8	18.4	18.5	18.4
RH-I(%)	57	59	69	73	72
RH-II(%)	27	29	35	42	40
Wind Speed(kmph)	5	5	5	5	5
Wind Direction(Degree)	70	44	75	81	71
Cloud Cover(Octa)	1	1	5	5	4

Weather Summary/Alert:

As per Regional Meteorology Centre, Nagpur during next five days weather will be partly cloudy to cloudy similarly on dated 24 and 25 of February, 2024 weather is likely to be dry similarly from dated 26 to 28 of February, 2024 very light to light rainfall is likely to occur at isolated places in Bhandara district. Alert/Warning: - • On dated 27 of February, 2024 thunderstorm and lightning accompanied with gusty winds (wind speed 30-40 kmph) very likely to occur at isolated pockets in Bhandara District. • On dated 26 and 28 of February, 2024 thunderstorm accompanied with lightning very likely to occur at isolated places in Bhandara District. As per Extended Range Forecast, during 28 February to 05 March, 2024 weather conditions will be Above Normal in Vidarbha region is forecasted.

General Advisory:

• During lightning strikes keep the animals in the barn as much as possible not under a tree or elsewhere. • As view of weather forecast, farmers are advised to be alert and animal should be taken special care during next 3 to 5 days. • In animal husbandry, the ratio of monocot fodder crop and dicot fodder crop should be 1:1 for animals. • Farmers are being advised that spraying of insecticides, application of fertilizers, Protective irrigation etc. activities should be done as local weather forecast. • Farmers should use the app "Damini" to get an accurate estimate of the thunderstorm according to the location so as to avoid the damage caused by lightning. • How will the weather be in the next 5 days including rainfall, humidity, temperature, wind speed, wind direction, sky condition, storm, heavy rain, hailstorm, heat wave, as well as crop wise agricultural advisory and animal advisory etc. to get all this information the app "Meghdoot" developed by IMD in association with ICAR, New Delhi and Indian Institute of Tropical Meteorology.

SMS Advisory:

On dated 27 of February, 2024 thunderstorm and lightning accompanied with gusty winds (wind speed 30-40 kmph) very likely to occur at isolated pockets in Bhandara District.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
SESAME (GINGELLY/TIL)	<ul style="list-style-type: none"> Seed rate per hectare: - Use 3.0 to 4.0 kg seed for summer season. Seed treatment: - Seed treatment should be done at the rate of 3 gm per kg of Thirum, Carbendazim or Brasicol and 4 gm per kg of Trichoderma viridae before sowing. Sowing method: - Since the seeds are very fine, mix sand / sieved manure / ash / soil in equal proportions. Row to row distance 30 cm should be maintained. Chemical Fertilizer application, Time: - At the time of sowing, apply half nitrogen (12.5 kg / ha) and complete phosphorus (25 kg / ha). Apply second dose of nitrogen (12.5 kg / ha) 30 days after sowing. Also, at the time of sowing Zinc and Sulfur (in case of micronutrient deficiency) at the rate of 20 kg / ha in the soil increases the yield.
RICE	<ul style="list-style-type: none"> Summer Paddy: Nursery: - For management of Stem borer and Gall midge apply Carbofuran 3% granular 25 kg per hectare (Carbofuron 3% granular 250 gm per 100 square meter nursery) should be applied in the nursery 5 days before transplanting. For management of Stem borer before transplanting, the roots of the plants should be immersed in a mixture prepared in the proportion of 20 percent chloropyrifos per 10 liters of water for 12 hours and then transplanting should be done. Chemical Fertilizers: - Agriculture is profitable if the soil is tested and proper quantity of chemical fertilizers are used. Generally, apply 125 kg Nitrogen, 50 kg Phosphorus and 50 kg Potash per hectare for Summer Paddy. Apply whole phosphorus and potash and half the amount of nitrogen in the mud (Puddled field) and the remaining half nitrogen in two equal installments (usually tillering stage which comes at 30 days and panicle initiation stage which comes about 60 days). Transplanting of Summer paddy crop should be shallow and planting spacing should be reduced to increase the rate of tillering. For control of grassy and broad leaf weeds in paddy crop apply pre-emergence herbicide Pretilachlor 50% EC @ 20 ml per 10 liters of water within 5 days of transplanting.
BENGAL GRAM/ CHICK PEA	Integrated Pod borer management Chickpea: - <ul style="list-style-type: none"> Bio-Control: - Raise 20 Bird perches per hectare, workflow traps should be panted 4 to 5 per hectare, sprinkle 5% neem seed extract, HaNPV 500 LE/Ha, or Chemical Control: - Quinalphos 25% EC @ 20 ml or Ethion 50% EC @ 20 ml or Flubendiamide 20% WG @5 ml or Emamectin benzoate 5% SG @ 4.4 gm or Chlorantraniliprole 18.5 % SC @ 2.5 ml per 10 liters of water.
WHEAT	<ul style="list-style-type: none"> If limited irrigation available for the crop, irrigate the crop as per recommendations as follows: - 1) If one irrigation available irrigate after 42 days. 2) If two irrigations available irrigate after 21 and 65 days. 3) If three irrigations available irrigate after 21, 42 and 65 days.
SAFFLOWER	<ul style="list-style-type: none"> 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 liters of water.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
CHILLI	<ul style="list-style-type: none"> Planofix 5 ml mixed with 9 liters of water should be sprayed after 50 and 70 days after planting chillies to reduce flower blight. To control Flower thrips, use Blue Sticky Trap. If ETL crossed use Imamectin benzoate S.G. @ 4 gm per 10 liters of water and spray. To control Flower thrips, Beauveria bassiana should be sprayed at the rate of 5 grams per liter of water.
BRINJAL	<ul style="list-style-type: none"> Before transplanting Brinjal plants, the tops of the plants should be dipped in a solution of dimethoate 30% @ 10 ml in 10 liters of water. Pest management: - Shoot and fruit borer: - If found more than ETL, it is advised to spray one of the following pesticides, Chlorantraniliprole 18.5% SC. @ 3 ml or Imamectin benzoate S.G. @ 4 gm per 10 liters of water.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
BUFFALO	<ul style="list-style-type: none"> In animal husbandry, the ratio of monocot fodder crop and dicot fodder crop should be 1:1 for animals. To keep the animals free from diseases, it is very important to keep maximum cleanliness in the barn. Animal health is more likely to deteriorate due to sudden climate change. In this case, it is important

Live Stock	Live Stock Specific Advisory
	to provide your animal with all the necessary facilities related to food, nourishment and shelter so that the health of the animal remains good. • If your animal has not been vaccinated against FMD (Foot and Mouth diseases), get vaccinated at the nearest government veterinary clinic as soon as possible.
COW	• In animal husbandry, the ratio of monocot fodder crop and dicot fodder crop should be 1:1 for animals. • To keep the animals free from diseases, it is very important to keep maximum cleanliness in the barn. • Animal health is more likely to deteriorate due to sudden climate change. In this case, it is important to provide your animal with all the necessary facilities related to food, nourishment and shelter so that the health of the animal remains good. • If your animal has not been vaccinated against FMD (Foot and Mouth diseases), get vaccinated at the nearest government veterinary clinic as soon as possible.

Poultry Specific Advisory:

Poultry	Poultry Specific Advisory
CHICK	• There is possibility of increase in temperature hence, protect the poultry birds from heat by covering roof of the shed with paddy straw or grass and make arrangement for sprinkle cold water on the roof of shed during afternoon time. Use wet gunny bags as side curtains to protect poultry birds from direct hot winds. • In poultry shed, increase the water pot and provide adequate and clean water for drinking. • The air in poultry shed should always be fresh. Do not allow cold or hot air to fall directly on them. • The height of the feed pot should be equal to the height of the chicken's back and always fill the feed and water container 2/3.
BIRD	• There is possibility of increase in temperature hence, protect the poultry birds from heat by covering roof of the shed with paddy straw or grass and make arrangement for sprinkle cold water on the roof of shed during afternoon time. Use wet gunny bags as side curtains to protect poultry birds from direct hot winds. • In poultry shed, increase the water pot and provide adequate and clean water for drinking. • The air in poultry shed should always be fresh. Do not allow cold or hot air to fall directly on them. • The height of the feed pot should be equal to the height of the chicken's back and always fill the feed and water container 2/3.

Others (Soil / Land Preparation) Specific Advisory:

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SOIL TESTING	• Farmers should do soil testing before sowing or cultivation of any crop. Soil testing report shows availability of nutrients in soil and due to this, it is easy to manage fertilizer dose of any crop, to save fertilizer and to maintain soil fertility also. Depth of Soil sample to be taken: - 1) Sorghum, Rice, Groundnut, wheat etc. ----- 15 to 20 cm. 2) Cotton, Sugarcane, Banana ----- 30 cm. 3) Leaving 1 to 1.5 feet from the trunk of the fruit tree from the outer perimeter ---- 30 cm.
GENERAL ADVICE	• The litter / straw / leaves of tree / crop remnants should be decomposed with the help of decomposer which increases the organic matter content of the soil, maintains the fertility of the soil and increases the water holding capacity of the soil. • Continuous use of the same pesticide enhances immunity in insects. For this, crop wise recommended pesticide should be sprayed alternately by taking all precautions. • 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. Example. - The rain shown on the 26 of February will be coming from 8.30 am of 25 of February to 8.30 am of 26 of February.