



Agromet Advisory Bulletin

Date : 09-02-2024

Weather Forecast of District NAGPUR(Maharashtra) Issued On : 2024-02-09(Valid Till 08:30 IST of the next 5 days)

Parameter	2024-02-10	2024-02-11	2024-02-12	2024-02-13	2024-02-14
Rainfall(mm)	0.0	10.0	52.0	2.0	0.0
Tmax(°C)	30.5	32.2	31.9	30.2	32.9
Tmin(°C)	13.4	14.5	13.3	13.9	14.6
RH-I(%)	23	50	86	61	48
RH-II(%)	17	22	42	38	26
Wind Speed(kmph)	9	8	13	14	11
Wind Direction(Degree)	68	90	150	135	195
Cloud Cover(Octa)	0	0	4	7	7

Weather Summary/Alert:

• In Nagpur district, as per the district level value added forecast given by, IMD, RMC, Nagpur, sky will be partly to partially cloudy during next five days i.e., 10th to 14th, February, 2024. • Weather is very likely to be dry on 10th, February, 2024. • Light to moderate rainfall very likely to occur at few places on 11th, February, 2024. • Light to moderate rainfall very likely to occur at many places on 12th, February, 2024. • Light to moderate rainfall very likely to occur at isolated places on 13th and 14th, February, 2024. • Thunderstorm with lightning likely to occur at isolated pockets on 11th, 12th and 13th, February, 2024. • Maximum temperature will be in the range from 28.8 to 29.5 degree Celsius whereas minimum temperature will be in the range from 14.0 to 14.9 degree Celsius. • Morning relative humidity will be in the range of 46.0 to 63.0 per cent whereas afternoon relative humidity will be in the range from 36.0 to 42.0 per cent. • No large change in maximum temperature during next 5 days over the Vidarbha. • No large change in minimum temperature during next 48 hours, thereafter rise by 2-3 degree Celsius over Vidarbha.

General Advisory:

• Considering the rainfall forecast it is advised give the priority for harvesting and threshing of matured chickpea, arhar and other crops during next 24 hours. Ensure the safer storage of harvested and threshed produce to avoid the contact with rain. If threshing operations are not possible, care should be taken to prevent the crops from coming in contact with rain and the harvested crops should be covered with tarpaulin or plastic sheet. • In seasonal crops, orchards and vegetable crops, it is advised to continue the intercultural operations (weeding, hoeing etc.) and spraying of agrochemicals for pest and disease management during next 24 hours and postpone thereafter for next 3 days. • 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 stored under shade only to avoid the damage due to rain. • It is advised to harvest the marketable fruits and vegetables and sell the produce. • Considering the rainfall forecast it is advised to postpone the irrigation to late sown wheat, chickpea, linseed, mustard etc., vegetables and horticultural crops during next 3-4 days. • Avoid letting cow, buffalo, goats, sheep, and other cattle's/animals graze in open spaces as there is a possibility of rain and lightning. Animals should be kept away from open water sources, rivers or lakes and tractors and metal. • Considering the thunderstorm and lightning forecast it is advised to carry out farm operations during early morning hours. Carry out farm operations by considering the local weather forecast and warnings. Take shelter at safe places, it is ensuring to keep maximum distance between two farm labour while working in the field. Avoid shelter near to water bodies (Lake, Well, River and Moist places) tractors and metal implements. Avoid taking shelter under a tree in any situation as the lightning attracts on tallest object.

SMS Advisory:

Considering the rainfall forecast it is advised to postpone the irrigation to late sown wheat, chickpea, linseed, mustard etc., vegetables and horticultural crops during next 3-4 days.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
PIGEON PEA (RED GRAM/ARHAR)	• Considering the rainfall forecast it is advised give the priority for harvesting and threshing of matured arhar crops during next 24 hours. Ensure the safer storage of harvested and threshed produce to avoid the contact with rain. If threshing operations are not possible, care should be taken to prevent the

Crop (Stage)	Crop Specific Advisory
	crops from coming in contact with rain and the harvested crops should be covered with tarpaulin or plastic sheet.
BENGAL GRAM/ CHICK PEA	• Considering the rainfall forecast it is advised give the priority for harvesting and threshing of matured chickpeacrops during next 24 hours. Ensure the safer storage of harvested and threshed produce to avoid the contact with rain.If threshing operations are not possible, care should be taken to prevent the crops from coming in contact with rain and the harvested crops should be covered with tarpaulin or plastic sheet.
WHEAT	• Considering the expected rainfall, it is advised to postpone the irrigation for next 3-4 days to late sown wheat. • Considering the rainfall forecast it is advised give the priority for harvesting and threshing of matured wheat crops during next 24 hours. Ensure the safer storage of harvested and threshed produce to avoid the contact with rain. If threshing operations are not possible, care should be taken to prevent the crops from coming in contact with rain and the harvested crops should be covered with tarpaulin or plastic sheet.
SAFFLOWER	• Due to cloudy weather condition, 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.
CITRUS	• Carry out the harvesting of market ready fruit to avoid fruit dropping and deterioration of fruit quality. • Infestation of citrus psylla occurs with the outburst of new leaves in Ambia bahar. The pest can cause 100 per cent flower drop if not controlled. The pest causes die back and “Greening” disease in affected trees causing slow decline. It can be controlled by spraying Dimethoate 30 EC 2 ml or Acephate 2 g or Imidacloprid 17.8 SL 0.5 ml per litre water at bud burst stage. Second spray should be carried after 10 days interval. Change the pesticides in subsequent sprays. • Spray gibberellic acid 1.5 g with 1 kg urea in 100 litres water at the time of initiation of Ambia flush.For controlling Phytophthora diseases scrap out gum oozing portion by sharp knife, wash with potassium permanganate solution (10 gms in one litre water) from the infected tree trunk and apply Mefenoxam M Z - 68 (Metalaxyl M 4% + Mancozeb 64 % WP) or fosetyl-Al paste.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
LINSEED	• Considering the rainfall forecast it is advised give the priority for harvesting and threshing of matured linseedcrops during next 24 hours. Ensure the safer storage of harvested and threshed produce to avoid the contact with rain.If threshing operations are not possible, care should be taken to prevent the crops from coming in contact with rain and the harvested crops should be covered with tarpaulin or plastic sheet.
MANGO	• If the infestation of Jassids on mango trees is notice and crossing ETL then, spraying should be done of Buprofezin 25 % SC 10 ml or Deltamethrin 2.8 EC 5 ml or Imidacloprid 17.8 % SL 4 ml or Lambda cyhalothrin 5 % EC 5 ml or Dimethoate 30 EC 16.5 ml per 10 liters of water and spraying should be done on stems, branches, tops and inflorescences of mango. • At flowering stage of mango tree, in case of symptoms of powdery mildew disease shows on trees spraying should be done of water soluble sulfur 80 % WP 30 gm or Tetraconazole 3.8 % EW w/w 12.5 ml or Hexaconazole 5% EC 10 ml mix with per 10 liters of water.
CHILLI	• Carry out the harvesting of market ready fruit to avoid fruit dropping and deterioration of fruit quality. • Cool, humid condition and moderate temperature favours the disease. If the incidence of leaf spot disease is observed on chilli crop, it is advised carry out the spraying of Copper oxychloride 50 % WP @ 1000 gm per acre mix with in 300-400 litre of water or Mancozeb 75 % WP @ 600-800 gm per acre mix with in 300 litres of water or Hexaconazole 75 % WG @ 27 gm per acre mix with in 200 litres of water or Kresoxim-methyl 15% + Chlorothalonil 56% WG @ 400 gm per acre mix with in 200 litres of water or Carbendazim 12% + mancozeb 63% WP @ 300 gm per acre mix with in 200 litres of water during the clear weather condition.
TOMATO	• Carry out the harvesting of market ready fruit to avoid fruit dropping and deterioration of fruit quality due expected rainfall. • If the symptoms of Late Blight of tomato was noticed due to the previous cloudy weather, spraying should be done with Mancozeb (2.0 g/l) or Copper oxychloride (3.0 g/l) or Bordeaux mixture (1%) or Copper hydroxide (2.0 g/l) or Fosetyl-Al (2.0 g/l) or Dimethomorph (2.0 g/l) combination of Pyraclostrobin + Metiram (2.0 g/l) or Mefenoxam + Copper hydroxide (2.0 g/l) or Metalaxyl 8% + Mancozeb. 64% (2.0 g/l) during clear weather condition.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
COW	<ul style="list-style-type: none"> • Avoid letting cow, buffalo, goats, sheep, and other cattle's/animals graze in open spaces as there is a possibility of rain and lightning. Animals should be kept away from open water sources, rivers or lakes and tractors and metal. • Animals should be vaccinated against footandmouth disease.

Others (Soil / Land Preparation) Specific Advisory:

Others (Soil / Land Preparation)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	<ul style="list-style-type: none"> • Farmers should take care of thunder and lightning in the sky: If you are working in the field, take shelter immediately near the field. After taking shelter in a safe place in the field, keep dry wood, plastic, gonapath, dry mulch under the feet. Sit with both feet together and both hands on your knees. Make sure that no part of your body touches the ground except your feet. Individuals working in ponds, such as places where there is moisture in the soil or water sources, should go to a safe and dry place immediately. If there are tall trees nearby, take shelter at a distance twice the height of that tree. • A pucca house is the safest place to avoid lightning. Farmers should plant trees as low as possible around their houses and livestock sheds. Moist, swampy places and water sources (wells, lakes, rivers, farm ponds etc.) should be avoided as much as possible. If traveling in a four-wheeler, stop in the vehicle. Farmers should take care that they do not have any metal tools. When working in the field, do not let more people work together at the same time. Care should be taken to keep a distance of at least 15-20 feet between two persons. Do not use an umbrella with a metal rod. Stay away from other electric tools made by farmers as well as metal ones.
GENERAL ADVICE	<ul style="list-style-type: none"> • It should be noted that the validity of the dates mentioned in the Weather Based Advisory Bulletins will be valid up to 08:30 AM of the mentioned date. *Based on a research trial that was not included in the CIBRC label claim. # Under label claim.
GENERAL ADVICE	<ul style="list-style-type: none"> • As per recommendation this month okra, cluster bean, cowpea, cucumber, pumpkin, bottle gourd, bitter gourd, dhense, watermelon, muskmelon, spinach, radish, fenugreek and coriander should be planted. Use drip or sprinkler irrigation management.