



Agromet Advisory Bulletin

Date : 27-02-2024

Weather Forecast of District NAGPUR(Maharashtra) Issued On : 2024-02-27(Valid Till 08:30 IST of the next 5 days)

Parameter	2024-02-28	2024-02-29	2024-03-01	2024-03-02	2024-03-03
Rainfall(mm)	15.7	5.4	4.8	0.0	3.0
Tmax(°C)	32.1	32.5	33.2	33.5	33.7
Tmin(°C)	21.0	21.7	21.9	22.2	22.3
RH-I(%)	81	72	70	64	67
RH-II(%)	43	40	37	34	35
Wind Speed(kmph)	9	5	3	3	6
Wind Direction(Degree)	48	49	69	109	93
Cloud Cover(Octa)	6	5	5	3	5

Weather Summary/Alert:

• In Nagpur district, as per the district level value added forecast given by, IMD, RMC, Nagpur, sky will be partly cloudy during next five days i.e., 28th, February to 03rd, March, 2024. • Light to moderate rainfall is very likely to occur at isolated places on 28th, February, 2024. • Very light to light rainfall is very likely to occur at isolated places on 29th, February and 01st, March, 2024. • Thunderstorm with lightning and Hail accompanied with gusty winds (30-40 kmph) is likely to occur at isolated pockets on 28th, February, 2024. • Weather is very likely to be dry on 02nd and 03rd, March, 2024. • Maximum temperature will be in the range from 32.1 to 33.7 degree Celsius whereas minimum temperature will be in the range from 21.0 to 22.3 degree Celsius. • Morning relative humidity will be in the range of 70.0 to 81.0 per cent whereas afternoon relative humidity will be in the range from 35.0 to 43.0 per cent.

General Advisory:

• Considering the rainfall, thunderstorm, lightning and gusty wind forecast, it is advised give the priority for harvesting and threshing of matured chickpea, arhar and other crops at earliest. Ensure the safer storage of harvested and threshed produce. 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 postpone the intercultural operations (weeding, hoeing etc.) and spraying of agrochemicals for pest and disease management for next 24 hours. • 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 hail, thunderstorm and lightning and gusty winds forecast, it is advised to 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. • Carry out the harvesting of market ready fruit of tomato, brinjal, mandarin, sweet orange etc., to avoid fruit dropping and deterioration of fruit quality. • Support the horticultural and vegetable crop/plant by giving support of bamboo.

SMS Advisory:

• It is advised give the priority for harvesting and threshing of matured chickpea, arhar and other crops during as early as possible.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
SESAME (GINGELLY/TIL)	• Since the initial growth of the sesame crop is slow, keep the field weed free till the first one month after sowing. Keep the field clean by hoeing and hand weeding as per the requirement of the crop. Depending on the requirement of the crop and the soil moisture status, crop should be irrigated at intervals of 10 to 15 days. Care should be taken that water does not accumulate in the crop area while irrigating.
SUNFLOWER	• In case of light soil, 6 to 8 irrigations, in case of medium soil, 4 to 5 irrigation and in case of heavy soil, 3 to 4 irrigation should be given to safflower crop. • Keep the field clean till 45 days after sowing by hoeing and hand weeding as per the requirement of the crop.

Crop (Stage)	Crop Specific Advisory
CITRUS	<ul style="list-style-type: none"> Considering the gusty wind forecast, it is advised to support fruit orchards with bamboos to avoid the fruit dropping due rain and gusty winds. Due to hail storm shedding of leaves, branches and barks it might be exposed to various diseases. Apply Bordeaux paste on affected parts of the plants. To prepare take 1 kg of each copper sulphate and lime separately. Soak in five litre of water overnight in two separate plastic containers. Stir thoroughly with wooden stick so that copper sulphates and lime are dissolved completely. Take third separate plastic container and pour the copper sulphate and lime solution and mix thoroughly and apply on affected plant parts. For controlling fruit drops and increasing fruit size of Mrig bahar in Mandarin/ Sweet orange spraying should be done of 1.5 gram 2-4-D + 100-gram Carbendazim + 1.5 kg Urea in 100 litres of water during the clear weather condition at earliest. After 15 days in the orchards carry out second spray of 1.5-gram Gibberellic acid + 100 gram carbendazim + 1.5 kg urea in 100 litres of water. Remove broken branches and twigs with the help secateurs. After that spraying should be done of 100-gram carbendazim and 1 kg urea in 100 litres of water immediately. 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.
PIGEON PEA (RED GRAM/ARHAR)	<ul style="list-style-type: none"> It is advised to complete the harvesting of matured pigeon pea crop and store the harvested and threshed produced in safe and dry places.
BENGAL GRAM/ CHICK PEA	<ul style="list-style-type: none"> It is advised to complete the harvesting of matured chickpea crop and store the harvested and threshed produced in safe and dry places.
WHEAT	<ul style="list-style-type: none"> It is advised to complete the harvesting of matured wheat crop and store the harvested and threshed produced in safe and dry places.
SAFFLOWER	<ul style="list-style-type: none"> 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.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
ACID LIME	<ul style="list-style-type: none"> Due to hail and rainfall, there is rapid spread of citrus canker in acid lime orchards hence the affected leaves, branches should be pruned and burnt. Spray copper oxychloride 180 gm in 60 litres of water during the clear weather condition.
CABBAGE	<ul style="list-style-type: none"> Marketable fruits should be harvested keeping in mind the possibility of hail. In cabbage, if aphids (green & black), diamond back moth and tobacco leaf eating caterpillar crosses ETL spraying should be done of Cyantraniliprole 10.26 OD at the rate of 12.0 ml per 10 litres of water during clear weather condition.
TOMATO	<ul style="list-style-type: none"> Marketable fruits should be harvested keeping in mind the possibility of hail. In tomato, if leaf minor, aphids, thrips, white fly and fruit borer crosses ETL spraying should be done of Cyantraniliprole 10.26 OD at the rate of 18.0 ml per 10 litres of water during clear weather condition.
LINSEED	<ul style="list-style-type: none"> It is advised to complete the harvesting of matured linseed crop and store the harvested and threshed produced in safe and dry places.
MANGO	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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 within 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.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
COW	• Animals should be vaccinated against foot and mouth disease.

Others (Soil / Land Preparation) Specific Advisory:

Others (Soil / Land Preparation)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	• 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	• As per recommendation this month okra, cluster bean, cowpea, cucumber, pumpkin, bottle gourd, bitter gourd, dhemse, watermelon, muskmelon, spinach, radish, fenugreek and coriander should be planted. Use drip or sprinkler irrigation management.