



## Agromet Advisory Bulletin

Date : 05-04-2024

Weather Forecast of District NAGPUR(Maharashtra) Issued On : 2024-04-05(Valid Till 08:30 IST of the next 5 days)

Parameter	2024-04-06	2024-04-07	2024-04-08	2024-04-09	2024-04-10
Rainfall(mm)	0.0	0.0	3.5	6.7	3.2
Tmax(°C)	41.7	41.3	38.0	38.2	39.4
Tmin(°C)	23.5	24.0	23.3	21.9	22.2
RH-I(%)	39	40	54	65	61
RH-II(%)	29	26	34	45	40
Wind Speed(kmph)	5	5	3	5	5
Wind Direction(Degree)	286	137	122	148	123
Cloud Cover(Octa)	2	2	4	5	4

### 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. 06th to 10th, April, 2024. • Weather is very likely to be dry on 06th and 07th, April, 2024. • Light to moderate rainfall is very likely to occur at isolated places on 08th, 09th and 10th, April, 2024. • Thunderstorm with lightning accompanied with gusty winds (40-50 kmph) likely to occur at isolated pockets on 08th, April, 2024. • Thunderstorm with lightning accompanied with gusty winds (30-40 kmph) likely to occur at isolated pockets on 09th and 10th, April, 2024. • Maximum temperature will be in the range from 38.3 to 41.7 degree Celsius whereas minimum temperature will be in the range from 21.9 to 24.0 degree Celsius. • Morning relative humidity will be in the range of 39.0 to 61.0 per cent whereas afternoon relative humidity will be in the range from 26.0 to 45.0 per cent.

### General Advisory:

• Considering the rainfall forecast after 48 hours for next 3 days, it is advised to give priority for harvesting and threshing of matured rabi season crop like late sown wheat and linseed, mustard etc., within next 2 days, if the harvested produce of the crops are spread over the field, then it is advised to store at elevated field and cover it with plastic sheet or tarpaulins to avoid the contact with rain. • Considering the dry weather forecast for next 2 days, it is advised to carry out the intercultural operations in vegetable and fruit orchards, spraying of agrochemicals and fertilizer application in standing crops within 2 days and postponed thereafter. • Continue the irrigation operation to vegetables and fruit orchards by considering the local clear weather condition. Give priority to sprinkler and drip irrigation for irrigation purpose. • Considering the rainfall forecast after 48 hours for next 3 days, buyers of agricultural commodities of APMC and Mandis are advised that, do not store the farmer produce 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. • Considering the thunderstorm along with 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. • Field should be ploughed after crop harvesting for integrated pest management. • If the soil has not been tested, take a sample using the scientific method and send the samples to the agricultural university, government or official soil testing laboratory.

### SMS Advisory:

- Carry out the harvesting of market ready fruit of tomato, brinjal, mandarin, sweet orange etc., to avoid fruit dropping and deterioration of fruit quality due to rainfall and gusty winds.

### Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
GROUNDNUT	• Ingroundnut undertake need based irrigation. Avoid over irrigation/water stagnation to prevent the incidence of root rot. Intercultural operation should be avoided once the pegs formed. During peg formation to pod development stage, care should be taken to avoid water stress. If possible, sprinkler should be used for irrigation. Give irrigation to Groundnut crop at an interval of 8 to 10 days according to requirement of crop and considering soil type. For control of rust and tikka (leaf spot), spraying should be done of Tebuconazole 25 % WG 500-750 gm per hectare mix with 500 litre) of water. (10 to 15 gram/10 litre of water. For control thrips, when ETL cross (5 thrips per three leaves), then spraying should be taken of Quinalphos 25 % EC (28 ml/10 liter of water) 1400 ml/hectare in 500 litres of water.
MUSTARD	• In view of rainfall forecast for after 2 days, if the harvested produced of crops is spread over field, it is advised to store at elevated field and cover it with plastic sheet or tarpaulins. Ensure safer storage of harvested and threshed produced.
WHEAT	• In view of rainfall forecast for after 2 days, if the harvested produced of crops is spread over field, it is advised to store at elevated field and cover it with plastic sheet or tarpaulins. Ensure safer storage of harvested and threshed produced.

### Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
LINSEED	• In view of rainfall forecast for after 2 days, if the harvested produced of crops is spread over field, it is advised to store at elevated field and cover it with plastic sheet or tarpaulins. Ensure safer storage of harvested and threshed produced.
CABBAGE	• Considering the prevailing cloudy weather, for management of aphids on Cabbage & Cauliflower, spray Dimethoate 30 EC 13 ml or Cyantraniliprole 10.26 OD 12 ml per 10 liters of water. • Considering the prevailing cloudy weather, for management of Diamond Back Moth on Cabbage & Cauliflower, Spraying should be done of Chlorpyrifos 20 EC 40 ml or Spinosad 2.5 SC 12 ml or Fenvalerate 20 EC 5 ml per 10 liters of water. • Spraying operation should be done during the clear and calm weather.
MANDARIN ORANGE	• Considering the gusty winds and rainfall forecast, carry out the harvesting of market ready fruit of to avoid fruitdropping and deterioration of fruit quality. • Drip irrigation should be given @ 12-53, 78-127, and 145-180 liters per day for trees 1-4, 5-7, 8 years old and above respectively. Follow double ring method of irrigation and irrigate orchard 7 to 10 days. Use mulching in basins. • Spray 2, 4 D/1.5 gm with 1kg urea in 100 liters water to prevent fruit drop in Ambia fruits. • Spray 2, 4-D/ 1.5gm and potassium nitrate 1kg in 100 liters water if there is sudden rise in temperature between 35 to 40 degrees Celsius.
TOMATO	• Considering the gusty winds and rainfall forecast, carry out harvesting of market ready fruits and support the plant with bamboo. • Due to continuous cloudy weather 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.
CHILLI	• For avoiding flower drop in chilli, apply Planofix 5 ml/9 litre of water, 50 to 70 days after planting. Due to present weather condition for control of sap sucking pest on Chilli crops, spray 5 % Neem ark or imidacloprid 17.8 SL 5

Horticulture (Stage)	Horticulture Specific Advisory
	ml per 10 lit. of water. In chilli, if thrips, fruit borer 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.
WATER MELON	<ul style="list-style-type: none"> <li>• Considering the gusty winds and rainfall forecast, carry out harvesting of market ready fruits.</li> <li>• To keep the crop clean and healthy, hoeing and weeding should be done and after fruit set, the fruits on the vine should be covered with grass or leaves.</li> </ul>
MUSKMELON	<ul style="list-style-type: none"> <li>• Considering the gusty winds and rainfall forecast, carry out harvesting of market ready fruits.</li> <li>• To keep the crop clean and healthy, hoeing and weeding should be done and after fruit set, the fruits on the vine should be covered with grass or leaves.</li> </ul>

#### Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
BUFFALO	<ul style="list-style-type: none"> <li>• Offer clean and cold water (stored in earthen pot) to the animals. Those who have cultivated berseem, should be done top dressing of 10 kg N/ha after each cutting to encourage quick growth and high yield. Deworming of livestock should be done by seeking advice of Veterinary practitioner.</li> </ul>
COW	<ul style="list-style-type: none"> <li>• Considering the thunderstorm along with 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.</li> <li>• Keep animals in shade and give them plenty of clean and cold water to drink. Do not make them work between 11 am to 4 pm. Cover the shed roof with straw, paint it white or plaster with dung-mud to reduce temperature. Use fans, water spray and foggers in the shed. During extreme heat, spray water and take cattle to a water body to cool off. Give them green fodder, protein-fat bypass supplement, mineral mixture and salt.</li> </ul>

#### Others (Soil / Land Preparation) Specific Advisory:

Others (Soil / Land Preparation)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	<ul style="list-style-type: none"> <li>• 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.</li> </ul>