



Gramin Krishi Mausam Sewa
Agromet Advisory Bulletin for NAGPUR District
 Central Institute for Cotton Research,
 Nagpur



Agromet Advisory Bulletin

Date : 2025-05-23

Weather Forecast of District NAGPUR (Maharashtra) Issued On : 2025-05-23 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-05-24	2025-05-25	2025-05-26	2025-05-27	2025-05-28
Rainfall(mm)	18.2	18.1	15.7	14.9	16.1
Tmax(°C)	34.9	35.7	38.4	39.5	39.6
Tmin(°C)	25.5	26.2	27.6	28.1	28.2
RH-I(%)	82	82	78	64	66
RH-II(%)	71	57	56	45	49
Wind Speed(kmph)	11	11	9	14	14
Wind Direction(Degree)	228	189	207	231	249
Cloud Cover(Octa)	7	8	6	7	6
Warning	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	Thunderstorms & Lightning, Squall etc; Strong Surface Winds

Forecast Summary:

• As per the district level value added forecast given by, IMD, RMC, Nagpur, sky will be partly to partially cloudy during next 5 days i.e. 24 May to 28 May, 2025. • Light to moderate rainfall is likely to occur at few places on 24, 25, 26, 27 and 28 May, 2025. • During next 5 days, Maximum temperature is likely to be occurs between 34.9 to 39.6 degree Celsius, whereas minimum temperature is likely to be occur between 25.5 to 28.2 degree Celsius. Morning relative humidity is likely to be occurs between 64 to 82 per cent, whereas afternoon relative humidity is likely to be occurs between 45 to 71 per cent. • There will be rise in maximum temperature during next 24 hours, by 2-4 degree Celsius thereafter no large change in subsequent days.

Weather Warnings (Valid Till 08:30 IST of the next day)

• Thunderstorm with lightning accompanied with gusty winds (50-60 kmph) likely to occur at isolated pockets on 24 and 25 May, 2025. • Thunderstorm with lightning accompanied with gusty winds (40-50 kmph) likely to occur at isolated pockets 26, 27 and 28 May, 2025.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

Thunderstorms and lightning can cause injury or death to livestock, farmers or farm workers. Strong winds can cause fruit to fall from trees, damage to barns or stored fodder in the field. Rain can damage mature crops and spoil the crop. Rain can cause agricultural produce brought for sale by farmers to the Agricultural Produce Market Committee or open markets to spoil when exposed to rain.

General Advisory:

• Taking advantage of soil moisture summer deep ploughing of harvested fields is advisable to expose the hibernating insects, larvae/pupa to sun and predator birds. Avoid in-situ burning of crop residues; instead use crop residues for making compost / organic fertilizer. Also farm owners should take the necessary precautions to help reduce the incidence of fires during hot summer months. For effective in situ moisture conservation in ensuing kharif season, preparatory tillage operations for the kharif should be along the contour and across the field slope. • The fodder stored in the open in the fields by farmers for livestock can be damaged due to possible rain or its quality and quantity can deteriorate. Therefore, the fodder stored in the open in the fields, such as hay, straw, hay, etc., should be covered with tarpaulin or plastic sheet. Tarpaulins kept covered can be blown away due to strong winds, therefore stones of appropriate weight or other heavy objects should be placed on the tarpaulin. While storing fodder, it should be stored on a high place in the field. As per availability, the fodder of the animals should be stored in a cowshed or shed. • Considering the forecast of possible rains, priority should be given to completing the harvesting and threshing of summer sesame, green gram, groundnut etc. The harvested crop should be stored in a dry and safe place. If threshing is not possible, the harvested crop should be covered with a plastic sheet or tarpaulin. • Considering the forecast of thunder, lightning and gusty wind, livestock should be avoided from grazing in open grazing areas. Fodder and water should be provided to the animals in the barn. While working in the field, as soon as there is a thunderstorm, take shelter in a safe place. Considering the past incidents in the district, avoid taking shelter under palas, neem and any other tree during thunderstorms. • Considering the forecast of gusty winds, marketable fruits and vegetable crops should

SMS Advisory:

While working in the field, as soon as there is a thunderstorm, take shelter in a safe place.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
COTTON	Clean up fields of residual stalks and plant parts from previous crop season. Do not stack the uprooted cotton stalks on field bunds. Pink bollworm larvae of last generation enter the hibernation in crop residues like infested bolls, stalks or in soil. Therefore, such infested residues should be promptly destroyed in order to break the life cycle of pink bollworm. • Crop rotation to be followed in the fields that were heavily infested with pink bollworm during last season to break the life cycle of pink bollworm. • Avoid pre-monsoon sowing of cotton crop. Early sown (pre-monsoon) crop bears the reproductive structures like squares and flowers early. Pink bollworm moths emerging from dormant population of previous season lay eggs on these squares and flowers thus early sown crop supports completion of new season's first generation of pink bollworm, which spreads to timely sown crop.
GROUNDNUT	• Harvesting and threshing of matured groundnut should be done in the view of rainfall forecast. • Store the harvested produce of groundnut in a dry and safe place. Measures should be taken to prevent damage to the harvested crop due to possible rain.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
ONION	• Harvest the onion crop at a mature stage. • Store the harvested onion in a dry and safe place. Measures should be taken to prevent damage to the harvested crop due to possible rain.
GARLIC	• Harvest the garlic crop at a mature stage. • Store the harvested onion in a dry and safe place. Measures should be taken to prevent damage to the harvested crop due to possible rain.
MANGO	• Marketable fruits should be harvested and sold. Since there is a possibility of fruits falling from the trees due to strong winds, place a plastic sheet under the tree and if the fruits fall, sort the fruits and sell the good quality fruits.
MANDARIN ORANGE	• Fruitlet blight: Black spots on the fruit are called fruitlet blight. • The fruits are injured due to the infestation of spider mites or Thrips, through which the bacteria <i>Pantoea ananatis</i> is transmitted and black spots appear on the fruits. •

Horticulture (Stage)	Horticulture Specific Advisory
	<p>Deep, irregularly shaped dark black or brown spots appear on the skin of the affected small fruits. These spots feel oily when touched. Starting from small black spots, the entire fruit turns black, resulting in the fruits often falling off.</p> <ul style="list-style-type: none"> • Management: To reduce the loss of small fruits caused by black spots, spray a mixture of copper oxychloride 50% WP 25 grams in 10 liters of water. • In order to get Mrig Bahar in citrus orchards in medium soil type, water stress should be applied for 50 days from 25th April to 15th June • The citrus orchards with Ambia bahar fruits should be irrigated regularly. For this, drip irrigation method should be used. A 5 inch thick cover of leafy greens, cow dung should be applied in the fall. This will reduce fruit drop. • The acid lime fruits of hand spring should be harvested, sorted and sold.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
COW	<p>Considering the forecast of thunder, lightning and gusty wind, livestock should be avoided from grazing in open grazing areas. Fodder and water should be provided to the animals in the barn.</p>

Likely impacts of weather warnings (General)

-

Impact based advisories (General)

-

Farmers are advised to download Unified "Mausam" and "Meghdoot" android application on mobile for Weather forecast and weather based Agromet Advisories and "Damini" android application for forecast of Thunderstorm and lightening.

Mausam MobileApp link: <https://play.google.com/store/apps/details/>

Meghdoot MobileApp link: https://play.google.com/store/apps/details

Damini MobileApp link : https://play.google.com/store/apps/details