Gramin Krishi Mausam Sewa

Agromet Advisory Bulletin for NAGPUR District

Central Institute for Cotton Research,

Nagpur

Agromet Advisory Bulletin

Date : 2025-05-30

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

Parameter	2025-05-31	2025-06-01	2025-06-02	2025-06-03	2025-06-04
Rainfall(mm)	19.2	11.6	0.0	0.0	18.7
Tmax(°C)	39.5	39.6	39.2	40.3	41.5
Tmin(°C)	25.2	25.3	26.7	26.5	27.8
RH-I(%)	88	82	63	59	63
RH-II(%)	67	51	31	30	32
Wind Speed(kmph)	11	7	6	15	16
Wind Direction(Degree)	32	282	89	256	296
Cloud Cover(Octa)	8	8	6	8	8
Warning	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	No Warning	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. 31 May to 04 June, 2025. • Light to moderate rainfall is likely to occur at few places on 31 May, 2025. • Very light to light rainfall is likely to occur at isolated places on 01 June, 2025. • Weather is likely to be dry on 02 and 03 June, 2025. • Light to moderate rainfall is likely to occur at isolated places on 04 June, 2025. • As per the ERFS, In Vidarbha, during 06 to 12 May, 2025 rainfall is likely to be below normal, maximum and minimum temperature is likely to be moderately below normal.

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

• Thunderstorm with lightning accompanied with gusty winds (40-50 kmph) likely to occur at isolated pockets on 31 May and 04 June 2025. • Thunderstorm with lightning accompanied with gusty winds (40-50 kmph) likely to occur at isolated pockets on 01 June.

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.

General Advisory:

• Considering the available moisture in the soil due to the rains in some places last week, priority should be given to preparatory tillage work. Considering the forecast of below-average rainfall for Vidarbha between 06 and 12 June 2025, farmers should not rush into sowing due to insufficient moisture. •

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. • 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. • 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. .

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
PIGEON PEA (RED GRAM/ARHAR)	• Pigeon pea varieties to be chosen as per the soil type are - early duration varieties for medium soil type (TAT-10, ICPL 87, AKT-8811), medium duration varieties for medium to heavy soil type (BSMR-736, PKV Tara, BSMR-853) and long duration varieties for heavy soil type (ICPL-87119, C-11).
GREEN GRAM	• Recommended green gram varieties are PKV- green gold, PKV mug-8802, PKV-AKM-4.
BLACK GOLD / CHARCOAL	• Recommended black gram varieties are PKV Udid-15, TAU-1, TAU 2, PDKV Black Gold (AKU-10-1)
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.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
TURMERIC	• Improved Varieties like Selam, Krishna, Phule Swarupa etc. should be selected for cultivation of turmeric crop.
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	• • For establishment of new orchard suitability of the soil needs to be examined. The soil depth should be a minimum of 1 meter but equally high performance orchards can be established on soil depth measuring even less than 1 meter provided precision based cultural practices including the fertilization programme are adopted. The soil site should preferably be well drained, clay less than 60%, pH less than 8.3, free calcium carbonate less than 12% and water table of the area more than 2 meters should be selected. • The pits made for planting of citrus may be filled up by a mixture containing 2 parts soil, one part sand and 1 parts farmyard manure. In addition, add 1 kg Single super phosphate, 1 kg of neem cake and 100 g Chlorpyriphos powder in each pit. • Nurseryman of citrus should start filling polythene bags with the mixture of garden soil, FYM and sand. Proper perforation for water should be done on the bags adequately. • In case trees on stress received rainfall during stress period chlormequat chloride a growth retardant at the rate of 2 ml per liter of water should be sprayed on the trees. Second spray should be applied

Horticulture (Stage)	Horticulture Specific Advisory
	after 20 days. • For increasing the fruit size of Ambia crop and if there is wide gap of more than a week between two spells of rains spray potassium nitrate at the rate of 1.5 kg + 2, 4, D 1.5 gms per 100 litres of water. • To avoid water stagnation near the tree trunk, level the soil around tree trunk. Drainage channels (trenching size: 30cm depth, 45 cm top width and 30 cm bottom width) after each 2 rows of plants along the slope should be prepared to remove excess water from the orchard in rainy season. The laterals of drip system should be wound up. After monsoon starts the mulch from the tree basin should be removed. • Apply Bordeaux paste on the tree trunks if not applied earlier to control Phytophthora disease on citrus. Prepare the paste by mixing 1 kg lime and 1 kg copper sulphate in 5 litres water separately overnight in a plastic container. Next day mix both the mixtures in another container so that the color of the paste is sky blue. Test the mixture by dipping iron rod to see presence of copper coating. Apply with paint brush on the tree trunk up to 24 inches from soil level. This paste should be applied within 12 hrs after mixing.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
GOAT	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.

Likely impacts of weather warnings (General)

Thunderstorms and lightning can cause injury or death to livestock, farmers or farm workers.

Impact based advisories (General)

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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/

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