



Gramin Krishi Mausam Sewa
Agromet Advisory Bulletin for MATHURA District
Chander Shekhar Azad University of Agriculture & Technology
Kanpur, Uttar Pradesh



Agromet Advisory Bulletin

Date : 2025-05-20

Weather Forecast of District MATHURA (Uttar Pradesh) Issued On : 2025-05-20 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-05-21	2025-05-22	2025-05-23	2025-05-24	2025-05-25
Rainfall(mm)	1.0	1.0	0.0	0.0	0.0
Tmax(°C)	42.0	42.0	41.0	41.0	40.0
Tmin(°C)	29.0	28.0	29.0	29.0	29.0
RH-I(%)	53	62	44	50	67
RH-II(%)	31	29	21	22	31
Wind Speed(kmph)	4	7	14	5	7
Wind Direction(Degree)	143	357	96	27	343
Cloud Cover(Octa)	1	2	3	0	6
Warning	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	No Warning	No Warning	No Warning

Forecast Summary:

According to the weather forecast received from the Indian Meteorological Department, due light to moderate cloud cover in the next five days, there is a possibility of light rain with thunderstorms & lightning and strong surface winds on 21-22 May, 2025. The maximum temperature is between 40.0-42.0°C, which is likely to be 1-2°C higher normal and the minimum temperature is between 28.0-29.0°C, which is likely to be 1-2°C higher normal. The maximum and minimum range of relative humidity is between 44-67 and 21-31%. Wind direction is south-east, north-west and wind speed is between 4.0-14.0 kmph with gusts expected to be 6-8 kmph high speed than normal.

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

According to the weather forecast received from the Indian Meteorological Department, there is a warning on thunderstorms & lightning, strong surface winds at a local level in 21 & 23 May, 2025.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

Keeping in view the weather conditions, farmers are advised not to irrigate standing zaid crops in the morning and afternoon. Do not do any work on the fields between 11 am to 4 pm and do light irrigation in standing crops in the evening at an interval of 7-8 days. Do not leave the animals outside for grazing between 11 am to 4 pm. Bathe the animals in the morning and evening. Do not go out of the house

unnecessarily during the afternoon. If there is any important work, then go out of the house only after tying a towel on the head.

General Advisory:

In view of the possibility of rain, thunderstorms, strong surface winds, farmers are advised to postpone irrigation work in zaid crops and irrigate standing maize crop only when winds calm down. Spray insecticides, fungicides and weedicides only when winds are calm/sky is clear and do not spray insecticides, pesticides and weedicides while standing in the opposite direction of the wind. If possible, hands should be washed thoroughly with soap or hand wash after spraying, before eating and after washing clothes.

SMS Advisory:

In view of the possibility of rain, thunderstorms, strong winds, farmers are advised to postpone irrigation work in Zaid crops and irrigate standing maize crop only when winds calm down.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
MAIZE (Millking)	Maize crop is going on at the stage of cumin extract /cob formation/grain filling which is sensitive to moisture deficiency. Therefore, maintain proper moisture by giving light irrigation as per requirements. There is a possibility of outbreak of stem borer / shoot fly pest in maize crop, so for its prevention, solution of Emamectin Benzoate 5% SG at the rate of 200 g/ha or Dimethoate 30% EC 1.0 l/ha in 600-700 liters of water make a spray.
BLACK GRAM (Flowering)	Black gram/green gram crop is progressing from flower to pod formation stage which is sensitive to moisture deficiency. Therefore, maintain proper moisture by applying light irrigation as per requirement. There is a possibility of outbreak of pod borer in black gram crop, so to prevent it, apply Emamectin Benzoate 5% SG 220 g / hectare or Dimethoate 30% EC. Spray at the rate of 1.0 liters/hectare in 600-700 liters of water when the sky is clear.
GREEN GRAM (Sowing)	Prepare the field for sowing Kharif maize only after ploughing, and also make arrangement for fertilizers and seeds for sowing any one of the improved recommended complex varieties- Kanchan, Gaurav, Sweta, Azad Uttam and hybrid varieties- Prakash, Y-1402, Bio-9681, Pro-316, D-9144, Dikalb- 7074, PHB- 8144, Deccan 115, MMH-133, etc. For sowing complex varieties of maize, sow at the rate of 20-25 kg seed/hectare and Shankar variety at the rate of 18-20 kg seed/hectare.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
BRINJAL (Physiological Maturity)	Harvest the finished crops like Pumpkin, Gourd, Taroi, Bitter gourd, Cucumber, Watermelon and Melon etc. and send them to the market. For the prevention of fruit borer / leaf borer pest in vegetable crops, make a solution of neem oil in 1.5-2.0 ml / liter of water and do 3-4 sprays at an interval of 8 -10 days. Do weeding and hoeing in the standing crops of vegetables and do irrigation work at an interval of 8-10 days in the evening.
MANGO	Dig pits for planting new gardens. Do irrigation work in orchards of mango, guava, lemon plum, grapes, papaya and litchi etc. Irrigate the orchards to prevent fall of mango fruit or apply 4.5 SL of 20 ml alpha naphthalene acetic acid make a solution per liter of water and spray it. To prevent cuckoo disorder or internal rot disease in mango pods, make borax 0.8% solution in 0.8 g / liter water and spray 2 at 10 days interval.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
BUFFALO	Considering the current weather, farmers are advised to tie the animals in the open during the night. Tie the animals in a shade time place during the day. Do not tie the animals under the tree because this week the chances of falling trees twigs are high due to the speed of the winds. FMD for the prevention of foot-mouth disease to animal's vaccine and VQ for prevention of Lagadia fever. Give sufficient quantity of grains to the animals with green and dry fodder. Animals must be given clean and fresh water 3-4 times a day. Do not tie pregnant animals to the sloping place. The best time to give anthelmintic drugs for the prevention of insects in the stomach of animals.

Poultry Specific Advisory:

Poultry	Poultry Specific Advisory
HEN	Farmers are advised to add dietary supplements; vitamins and energy feed ingredients to the hens as well as add calcium content to the hen. Give medicine for the prevention of worms in the stomach of hen (Divmigr). To protect the chickens from heat, arrange curtains, fans and ventilation in the hen house. To save the chickens from the heat, sprinkle water on the curtains engaged in the chicken house so that the coolness remains.

Others (Soil / Land Preparation) Specific Advisory:

Others (Soil / Land Preparation)	Others (Soil / Land Preparation) Specific Advisory
AGRI FIELD	Deep plow the fields empty of wheat and other crops with disc plow so that the eggs and larvae of harmful insects hidden inside the ground are destroyed in the sun.

Likely impacts of weather warnings (General)

According to the weather forecast received from the Indian Meteorological Department, there is a warning on thunderstorms & lightning, strong surface winds at a local level in 24-25 May, 2025.

Impact based advisories (General)

Keeping in view the weather conditions, farmers are advised not to irrigate standing zaid crops in the morning and afternoon. Do not do any work on the fields between 11 am to 4 pm and do light irrigation in standing crops in the evening at an interval of 7-8 days. Do not leave the animals outside for grazing between 11 am to 4 pm. Bathe the animals in the morning and evening. Do not go out of the house unnecessarily during the afternoon. If there is any important work, then go out of the house only after tying a towel on the head.

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 lightning.

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>