



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



Agromet Advisory Bulletin

Date : 2025-03-25

Weather Forecast of District MATHURA (Uttar Pradesh) Issued On : 2025-03-25 (Valid Till 08:30 IST of the next 5 days)

| Parameter | 2025-03-26 | 2025-03-27 | 2025-03-28 | 2025-03-29 | 2025-03-30 |
|------------------------|------------|------------|------------|------------|------------|
| Rainfall(mm) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Tmax(°C) | 36.0 | 37.0 | 36.0 | 32.0 | 32.0 |
| Tmin(°C) | 18.0 | 19.0 | 20.0 | 17.0 | 16.0 |
| RH-I(%) | 46 | 45 | 40 | 34 | 36 |
| RH-II(%) | 25 | 25 | 23 | 21 | 21 |
| Wind Speed(kmph) | 4 | 5 | 23 | 25 | 21 |
| Wind Direction(Degree) | 132 | 286 | 305 | 312 | 311 |
| Cloud Cover(Octa) | 0 | 0 | 0 | 0 | 3 |
| Warning | No Warning | No Warning | No Warning | No Warning | No Warning |

Forecast Summary:

According to the weather forecast received from the Indian Meteorological Department, due to light to moderate cloud cover in the fifth day and clear weather in remaining days, there is a no possibility of rain . The maximum temperature is between 32.0- 37.0°C, which is likely to be 2-3°C higher normal and the minimum temperature is between 16.0-20.0°C, which is likely to be 1-2°C higher normal. The maximum and minimum range of relative humidity is between 34-46 and 21- 25%. Wind direction is south-west, north-west and wind speed is between 4.0-25.0 kmph with gusts expected to be 12-15 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 no weather warning for the next five days.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

Considering the weather conditions, the weather is favorable for sowing of ladyfinger, ridge gourd, pumpkin gourd, cucumber, kachori and summer maize, urd, moong and harvesting/digging of mature crops like mustard and potato.

General Advisory:

Farmers are advised to do light irrigation in standing crops and vegetables as per requirement and also sow Zaid maize, urd, moong/summer vegetables and harvest/dig ripe crops like mustard and potato and

keep the crop in a safe place. It is advisable to monitor the crops regularly to prevent infection of thrips pest and purple spot disease in onion. For insecticides, pesticides and weedicide chemicals, separate or use only to wash equipment with clean water and do not spray or spray insecticides, pesticides and weedicide standing in the opposite direction of the wind. Spraying should be done in the evening if possible.

SMS Advisory:

Farmers are advised to sow maize, urd, moong/summer vegetables and harvest/dig ripe crops like mustard, potato etc and keep the crop in a safe place.

Crop Specific Advisory:

| Crop (Stage) | Crop Specific Advisory |
|--------------|---|
| WHEAT | Wheat crop is in the stage of grain filling/dough, which is sensitive to lack of moisture; hence farmers should maintain proper moisture by doing light irrigation as per need. Use fodder made of zinc phosphide or aluminum phosphide cake when rats are found in the wheat crop. Make collective efforts for the prevention of rats. |
| CHICK PEA | Harvest/thresh the mature crop of chick pea sown on time. There is a possibility of outbreaks of pod borer insects in the gram crop, so for it's prevent this, spraying Qunalphos 25 EC@ 2 liters per hectare or Emamectin benzoate 5 % sg 180 - 200 gram per hectare in 500 to 600 liters of water. |
| MAIZE | In the timely sown maize crop, first irrigation should be done 20-25 days after sowing, and weeding should be done when the leaves appear. For controlling the appearance of the larvae of the cabbage borer fly, spray Oxydemeton-methyl 25 EC or Chlorantraniliprole 375 ml. per hectare by dissolving it in 500-700 liters of water. |
| BLACK GRAM | In the timely sown urad crop, first irrigation should be done 30-35 days after sowing, and weeding should be done when the leaves appear. If infestation of green hopper/thript insect is seen in urad crop, spray Imidacloprid 17.8% SL 2.5 ml per hectare by dissolving it in 500-700 liters of water. |
| GREEN GRAM | Recommended varieties of moong- Narendra moong-1, Malviya Jagranti, Samrat, moong Janpriya, Meha, HUM-16, Malviya Jyoti, TMV-37, Malviya Jan Chetna, IPM-2-3, IPM-2-14, Kanika, Azad moong-1 Hira, Surya, etc. Arrange for fertilizer and seeds for sowing any one of these varieties and then start sowing. |

Horticulture Specific Advisory:

| Horticulture (Stage) | Horticulture Specific Advisory |
|----------------------|--|
| OKRA/ LADYFINGER | If purple spot disease is seen in onion crop, then for its control, prepare a solution of Mancozeb 0.25% (0.25 gm/liter water) and spray it 3-4 times at an interval of 15-20 days. Complete the sowing of summer vegetables like ladyfinger, zucchini, cucumber, bitter gourd, bottle gourd, pumpkin etc. soon. In case of infestation of red pumpkin insect in pumpkin category vegetables, spray 5% Malathion dust in the soil around the stem of the plants in the morning and spray it on the plants. Prepare the field for transplanting summer crops like tomato, chilli etc. and also transplant the prepared seedlings. |
| MANGO | Maintain proper moisture by irrigating the mango orchards. There is a possibility of midge insect infestation in mango blossoms. So, to control this, spray by dissolving 1.0 ml of Fenitrothion in one litre of water. There is a possibility of larva and lassi insect infestation in mango orchards. So, to control this, spray by dissolving 2.0 ml of Chlorpyrifos 20 EC or 3.0 ml of Fenitrothion 50 EC in one litre of water. |

Live Stock Specific Advisory:

| Live Stock | Live Stock Specific Advisory |
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| BUFFALO | After the animals are fed, make 750 grams mustard oil, 100 grams turmeric, 50 grams dry ginger, 50 grams cumin, 500 grams jaggery mixture and OT for morning and evening for three days. In view of the current weather, farmers are advised to animals in the open during the night and draw and put curtains of jut sack on windows and doors at night and remove put curtains in the sun during the day. Give sufficient quantity of grains to the animals with green and dry fodder. Animals must be given fresh and fresh water 3-4 times a day. Keep the animals in a clean place. To prevent foot and mouth disease in animals, vaccinate them with FMD vaccine and to prevent foot and mouth disease, vaccinate them with BQ vaccine. |

Poultry Specific Advisory:

| Poultry | Poultry Specific Advisory |
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| HEN | Farmers are advised to the hen supplements the food, mix vitamins and energy food material in their feed as well as calcium content to hens. To prevent Ranikhet disease in chickens, vaccinate one week old chicks with F-1 vaccine and four week old chicks with R-2 vaccine. |

Likely impacts of weather warnings (General)

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| According to the weather forecast received from the Indian Meteorological Department, there is no weather warning for the next five days. |
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Impact based advisories (General)

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| Keeping in view the weather conditions, sow ladyfinger, ridge gourd, pumpkin, gourd, cucumber, summer maize, urad, green gram and harvest/dig mature crops like mustard and potato and keep the crop in a safe place. |
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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/>

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

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