



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



Agromet Advisory Bulletin

Date : 2025-06-27

Weather Forecast of District MATHURA (Uttar Pradesh) Issued On : 2025-06-27 (Valid Till 08:30 IST of the next 5 days)

| Parameter | 2025-06-28 | 2025-06-29 | 2025-06-30 | 2025-07-01 | 2025-07-02 |
|------------------------|------------|------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Rainfall(mm) | 2.0 | 10.0 | 9.0 | 19.0 | 19.0 |
| Tmax(°C) | 37.0 | 36.0 | 33.0 | 32.0 | 33.0 |
| Tmin(°C) | 29.0 | 28.0 | 27.0 | 26.0 | 26.0 |
| RH-I(%) | 79 | 81 | 88 | 92 | 93 |
| RH-II(%) | 52 | 54 | 65 | 66 | 67 |
| Wind Speed(kmph) | 7 | 6 | 15 | 11 | 4 |
| Wind Direction(Degree) | 104 | 218 | 267 | 250 | 360 |
| Cloud Cover(Octa) | 5 | 7 | 8 | 8 | 8 |
| Warning | No Warning | No Warning | Thunderstorms & Lightning, Squall etc | Thunderstorms & Lightning, Squall etc | Thunderstorms & Lightning, Squall etc |

Forecast Summary:

According to the weather forecast received from the Indian Meteorological Department, due to moderate to dense cloud cover in the next five day there is a possibility of light to moderate rain with thunderstorms & lightning, strong winds at local level between dated on 28 June to 02 July, 2025. The maximum temperature is between 32.0- 37.0°C, which is likely to be 1-2°C lower normal and the minimum temperature is between 27.0-30.0°C, which is likely to be 2-3°C higher normal. The maximum and minimum range of relative humidity is between 68-82 and 41-56%. Wind direction is south-east, south-west and wind speed is between 4.0-15.0 kmph with gusts expected to be 5-6 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 moderate to heavy rain, thunderstorms & lightning, strong winds at a local level between dated on 28 June to 02 July 2025.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

In view of the possibility of light to moderate rainfall in the coming week, farmers are advised to make proper arrangements for the drainage of excess rainwater. Harvest the ripe Zaid crops and keep the grains safe. Do not tie animals in open spaces during the rainy season nor leave them outside to graze during the rainy season.

General Advisory:

If the harvested crop in the field has got wet due to last week's rain, then dry the crop well in the sun and complete the threshing work soon. Strengthen the field bunds for transplanting paddy saplings. So that rainwater remains in the fields. For transplanting ready paddy saplings, prepare the field and plant the saplings and sow Kharif crops only when the sky is clear and there is proper moisture.

SMS Advisory:

Taking advantage of last week's rain, plant the prepared paddy saplings and sow Kharif crops like maize, sesame, pigeon pea etc. in clear weather.

Crop Specific Advisory:

| Crop (Stage) | Crop Specific Advisory |
|--------------------------------|---|
| RICE (Transplanting) | Make proper arrangements for the drainage of excess rainwater from the paddy nursery. Strengthen the bunds of the fields for transplanting paddy saplings. So that rainwater remains in the fields. Plant nurseries of early maturing paddy varieties. If transplanting paddy saplings in normal fields, transplant them in 20 to 25 days and in barren land, transplant saplings of 25 to 30 days. For the control of broad and narrow leaf weeds in paddy crop, apply Anilophos 30% EC within 2-3 days of transplanting. Or spray 2-3 inches of Pritlachlor at the rate of 1.25 liters/ha by making a solution in 500-600 liters of water. Khaira disease in the nursery occurs due to zinc deficiency in which leaves turn yellow and later brown spots appear. To control this, when symptoms appear, spray 5 kg zinc sulphate with 2 percent urea solution or 2.5 kg slaked lime by making a solution in about 1000 liters of water per hectare. |
| MAIZE (Sowing) | In view of the possibility of rain, postpone sowing work. After preparing the field for sowing Kharif maize, arrange for fertilizers and seeds for sowing any one of the improved recommended complex varieties - Kanchan, Gaurav, Shweta, Azad Uttam and hybrid varieties - HMM-3904, PMH-3, NK-61, Prakash, Y-1402, Bio-9681, Pro-316, D-9144, Dikab- 7074, PHB- 8144, Deccan 115, MMH-133 etc. For sowing complex variety of maize, sow at the rate of 20-25 kg seed/hectare and Shankar variety at the rate of 18-20 kg seed/hectare. |
| SESAME (GINGELLY/TIL) (Sowing) | In view of the possibility of rain, postpone sowing work. Sow improved varieties of sesame such as Gujarat Til-6, R.T.-346, R.T.-351, Tarun, Pragati, Shekhar Type-78, Type-13, Type-4 and Type-12, M.T.-2013-3 and U.A.T. Til-1. |
| GROUNDNUT (Sowing) | Sown any of the recommended varieties of groundnuts - Ta-64, Kaushal-tufted variety - Chandra, Ta-28 etc. and for sowing of groundnuts, sow the seeds at the rate of 70-80 kg / ha. when the sky is clear. |
| SUGARCANE (Vegetative) | In view of the possibility of rain, postpone irrigation work. Weeding should be done to control weeds in standing sugarcane crop. All these agricultural works should be completed before the onset of monsoon rains. For controlling top borer pest, destroy the affected young plant by cutting it from the ground level. If severe infestation is seen, then for its control, spray 150-200 ml of Chlorantraniliprole 18.5 S.C. Dissolve the pesticide in 400-500 liters of water and spray it per acre and irrigate. |

Horticulture Specific Advisory:

| Horticulture (Stage) | Horticulture Specific Advisory |
|---------------------------------------|--|
| CAULIFLOWER (Nursery Bed Preparation) | This is the suitable time for nursery of vegetables sown in Kharif like brinjal, chili, early cauliflower and sowing of ladyfinger, cowpea, pumpkin, bottle gourd, ridge gourd, bitter gourd, cucumber etc. For controlling stem/fruit/leaf borer insects in vegetable crops, mix 1.5-2.0 ml of Neem oil in/liter of water and spray 3-4 times at an interval of 8-10 days. For controlling green hopper and white fly insects in cucurbitaceous crops, spray 1.0 ml of Imidacloprid 30.5 percent by dissolving the chemical in one litre of water and to protect from fruit fly, use Q Lure pheromone trap at the rate of 8-10 traps per hectare. |
| MANGO (Transplanting) | For filling the pits dug in the month of May for planting fruit orchards, mix rotten manure of cow dung in the upper half of the soil and fill it up to 15 to 20 cm above the ground level. To protect guava from fruit flies, hang 8-10 |

| Horticulture (Stage) | Horticulture Specific Advisory |
|----------------------|---|
| | traps per hectare using methyl eugenol and Q lure traps tied to branches at a height of 6 to 8 feet. Spray 5% neem extract dissolved in one litre of water at an interval of 10 to 15 days. Change the lure at an interval of 20-25 days. |

Live Stock Specific Advisory:

| Live Stock | Live Stock Specific Advisory |
|------------|--|
| BUFFALO | Farmers are advised to spray lime in the cattle shed to prevent external parasites. Do not tie animals in open spaces/under trees during rains. Tie animals in the open only when the sky is clear at night. Tie animals in a shady place during the day. Vaccinate animals with FMD vaccine to prevent foot and mouth disease and VQ vaccine to prevent dengue fever. Give sufficient amount of grains to animals along with green and dry fodder. Make sure to give clean and fresh water to animals 3-4 times a day. Do not tie pregnant animals at a sloping place. This is the right time to give deworming medicine to animals to prevent stomach worms. |

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 (Divmrig). To protect the chickens from heat, arrange curtains, fans and ventilation in the hen house. |

Likely impacts of weather warnings (General)

According to the weather forecast received from the Indian Meteorological Department, there is a warning on moderate to heavy rain, thunderstorms & lightning, strong winds at a local level between dated on 28 June to 02 July 2025.

Impact based advisories (General)

In view of the possibility of light to moderate rainfall in the coming week, farmers are advised to make proper arrangements for the drainage of excess rainwater. Harvest the ripe Zaid crops and keep the grains safe. Do not tie animals in open spaces during the rainy season nor leave them outside to graze during the rainy season.

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>