



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



Agromet Advisory Bulletin

Date : 2025-08-08

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

Parameter	2025-08-09	2025-08-10	2025-08-11	2025-08-12	2025-08-13
Rainfall(mm)	6.0	25.0	5.0	13.0	3.0
Tmax(°C)	35.0	31.0	34.0	33.0	31.0
Tmin(°C)	28.0	27.0	27.0	28.0	27.0
RH-I(%)	90	94	91	89	91
RH-II(%)	62	72	63	67	73
Wind Speed(kmph)	7	3	1	6	9
Wind Direction(Degree)	283	36	45	247	265
Cloud Cover(Octa)	8	6	7	8	8
Warning	No Warning	Heavy Rain; Thunderstorms & Lightning, Squall etc	No Warning	No Warning	No Warning

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 at local level between dated on 09 to 13 August, 2025. The maximum temperature is between 31.0-35.0°C, which is likely to be near its normal and the minimum temperature is between 27.0-28.0°C, which is likely to be 1-2°C higher normal. The maximum and minimum range of relative humidity is between 91-94 and 62-73%. Wind direction is south-west, north-east and wind speed is between 1.0- 9.0 kmph with gusts expected to be 2-3 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 of light to moderate rain with strong winds and thunderstorms & lightning at the local level between 09 to 13 August, 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 postpone irrigation, weedicide, pesticide and insecticide spraying in standing Kharif crops. In case of no rainfall, sowing of Kharif crops should be done at appropriate moisture. Do not allow waterlogging in maize, pulses and oilseed crops; make proper arrangements for water drainage. Do not tie animals in open spaces during the rainy season and do not leave them outside for grazing.

General Advisory:

Make proper arrangement for drainage of excess rainwater. Make the bunds of paddy fields strong so that rainwater stays in the fields. Do not let animals drink stagnant rainwater. During the rainy season, the possibility of lice infestation in animals increases. To prevent this, spray lime in the animal shed so that the eggs and larvae of lice are destroyed. During rainy season, take a torch while going out of the house at night and to avoid snakes, scorpions etc., close the walls and holes of the house and spray a little kerosene or phenyl, the smell of which drives the snakes away.

SMS Advisory:

Never take shelter under trees, telephone and electricity poles during rain. In such a situation, there is a high possibility of electric current flowing in the poles and lightning striking.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
RICE (Tillering)	For controlling broad and narrow leaf weeds in paddy crop, use Bispyribac Sodium 10% SC at the rate of 0.20 litre per hectare, 15-20 days after transplanting, by dissolving it in 500-600 litres of water at appropriate moisture and spray when sky is clear. If Khaira disease is seen in paddy, then spray 20-25 kg zinc sulphate and 2.5 kg lime solution in 800 liters of water for its control. Topdressing of urea @ 50 to 60 kg per hectare is done 25 to 30 days after transplanting of paddy. Keep in mind that weeds should be removed before top dressing and while topdressing, there should not be more than 2 to 3 cm of water in the field. If infestation of root worm pest is seen in paddy crop, spray Cartap hydrochloride 4% granular chemical at the rate of 20 to 25 kg per hectare in three to four cm stagnant water.
MAIZE (Tasseling)	The second topdressing of urea in maize crop should be done at the rate of 60 to 70 kg per hectare at the time of tasseling stage in case of no rain. In maize crop, there is a possibility of outbreak of stem borer / shoot fly pest, so for its prevention, Emamectin Benzoate 5% Sg 200 g / ha at 500-600 liters of water solution Sprinkle on clean weather.
SESAME (GINGELLY/TIL) (Vegetative)	In sesame crop, do the second weeding 35-40 days after sowing in case of no rain. There is a possibility of outbreak of leaf and fruit bollworm in sesame crop, so for its prevention, Emamectin Benzoate 5 % SG 200 g / hectare or Quinalphos 25 % EC 1. 500-600 liters at the rate of 25 liters / hectare. Make a solution in water and spray on clear weather.
GROUNDNUT (Vegetative)	In case of no rain, after weeding the peanut crops 20 to 25 days after sowing, add 100 kg gypsum per hectare and then do light hoeing and cover the plants with soil. Groundnut crop is likely to show white gidar / termite pest infestation, hence fipronil 0.3% GR at the rate of 20 kg / ha topdressing of clear sky.
BLACK GRAM (Ear Emergence)	For the control of weeds in the black gram crop, Imazethapyr 10 SL at the rate of 1.0 liter / hectare, spray the solution in 500-600 liters of water after 15-20 days of sowing and spray it on clear sky.
GREEN GRAM (Sowing)	For the control of weeds in the green gram crop, Imazethapyr 10 SL at the rate of 1.0 liter / hectare, spray the solution in 500-800 liters of water after 15-20 days of sowing and spray it on clear sky. The recommended varieties of green gram sown in Kharif - Narendra Moong-1, Pant Moong-1, Pant Moong-3, Pant Moong-4, Samrat, Malaviya Janchetna, Malaviya Janapriya, Malaviya Jagriti Shweta, Swati, Virat and IPM -2-14 etc For the sowing of any one variety. The sowing work at the rate of 12 -15 kg seed / hectare and try to complete it soon the event of no rain.

Crop (Stage)	Crop Specific Advisory
SUGARCANE (Vegetative)	If the length of sugarcane has become five feet, then do the first tying at a height of two and half feet. For the first tying, tie two bunches of sugarcane in a line together with the dry leaves below. Destroy the plants affected by red rot disease by removing them along with the roots and spray the plants with a solution of thiophanate methyl 0.2 percent. Infestation of mite insect is being seen in sugarcane, for its control, mix 750 ml of Profenophos 40 percent + Cyper 4 percent insecticide in 625 liters of water and spray at the rate of per hectare.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
CABBAGE (Transplanting)	Suspend irrigation/sowing work in standing vegetable crop in view of the possibility of rain. Set up nurseries of vegetables to be sown in Kharif like cabbage, knotweed, broccoli etc., along with planting ready saplings of early cauliflower, brinjal, chilli. If there is a possibility of water stagnation in the field, then plant the early cauliflower, brinjal, tomato, chilli etc. on the ridges. For prevention of fruit borer/leaf borer pest in vegetable crops, prepare a solution of 1.5-2.0 ml/liter of water with neem oil and spray it 3-4 times at an interval of 8-10 days. Weeding-hoeing should be done in standing vegetable crops when sky is clear.
MANGO (Transplanting)	Plant new plants in pits already filled with mango, guava, amla, lemon etc. Plant new plants in place of the destroyed plants in the new bag. Make a stand of 25-30 meters high soil around the stem by folding banana / papaya bags. For prevention of mango leaf moth, apply 2% carbaryl 1.5% dust on the clear sky.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
BUFFALO	Farmers are advised to During the rainy season, the possibility of lice infestation in animals increases. To prevent this, spray lime in the animal shed so that the eggs and larvae of lice are destroyed. 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 that this is not the right time to raise new chicks for eggs but it is a suitable time for broiler chickens. Add supplementary food, vitamins and energy food material to the chickens' diet and also give calcium material to the chickens. Chlorination of water must be done. Give deworming medicine to kill the worms in the stomach of the chickens. Keep the chicken house dry and keep turning the bedding. If there is excess moisture in the chicken house, turn on the fan.

Likely impacts of weather warnings (General)

According to the weather forecast received from the Indian Meteorological Department, there is a warning of light to moderate rain with strong winds and thunderstorms & lightning at the local level between 09 to 13 August, 2025 .

Impact based advisories (General)

In view of the possibility of light to moderate rainfall in the coming week, farmers are advised to postpone irrigation, weedicide, pesticide and insecticide spraying in standing Kharif crops. In case of no rainfall, sowing of Kharif crops should be done at appropriate moisture. Do not allow waterlogging in maize, pulses and oilseed crops; make proper arrangements for water drainage. Do not tie animals in open spaces during the rainy season and do not leave them outside for grazing.

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>