



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



Agromet Advisory Bulletin

Date : 2025-06-17

Weather Forecast of District MATHURA (Uttar Pradesh) Issued On : 2025-06-17 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-06-18	2025-06-19	2025-06-20	2025-06-21	2025-06-22
Rainfall(mm)	7.0	7.0	4.0	16.0	17.0
Tmax(°C)	37.0	37.0	36.0	34.0	34.0
Tmin(°C)	27.0	27.0	27.0	26.0	25.0
RH-I(%)	84	81	79	84	86
RH-II(%)	51	50	49	58	57
Wind Speed(kmph)	10	3	4	6	4
Wind Direction(Degree)	99	113	156	204	160
Cloud Cover(Octa)	5	3	5	6	7
Warning	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	No Warning	No Warning	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 18-22 June, 2025. The maximum temperature is between 34.0- 37.0°C, which is likely to be 1-2°C lower normal and the minimum temperature is between 25.0-27.0°C, which is likely to be near to its normal. The maximum and minimum range of relative humidity is between 79-86 and 49-58%. Wind direction is south-east, south-west and wind speed is between 3.0-10.0 kmph with gusts expected to be 3-4 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 light to moderate rain, thunderstorms & lightning, strong winds at a local level between dated on 18-22 June 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 harvest the ripe zaid crops and keep the grains safe. Prepare the field for transplanting the ready paddy saplings and plant the saplings, and sow Kharif crops at appropriate moisture. Do not tie the animals in open spaces during the rainy season.

General Advisory:

Farmers are advised considering the possibility of rain, keep the harvested crop in a safe place or collect the harvested crop in the field and cover it with polythene sheet. After rain, dry the crop thoroughly in the sun and do threshing. Strengthen the ridges of the fields for transplanting paddy seedlings. So that rain water stays in the fields. Bathe the animals in the morning and evening, keep them in a shady place and give them water 3-4 times. For insecticides, pesticides and weedicide chemicals, use only clean water to wash equipment and do not spray pesticides, herbicides and weedicides while standing against the wind. Spraying should be done in the evening, if possible, after spraying, before eating and after washing clothes, hands should be washed thoroughly with soap.

SMS Advisory:

Keeping in view the possibility of rain, collect the harvested crop in a safe place or field and cover it with polythene sheet. After rain, dry the crop thoroughly in the sun and threshing it.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
RICE (Nursery/seedling)	Make proper arrangement for excessive rain water drainage from paddy nursery. Strengthen the ridges of the fields for transplanting paddy seedlings. So that rain water stays in the fields. After preparing the field, plant paddy nursery, as well as the advanced varieties Narendra-359, Narendra paddy-2026, Narendra paddy-2064, Narendra paddy-2065, Narendra paddy-3112, Sarju-52, Sita etc. and hybrid varieties- Pro .Agro-6444 (2001) Arise , Prof. Agro-6201 (2001) Arise, PHB-71, Pioneer-27 P 31, 27 P 37, 28 P 67 , RR X-113, Kaveri - 468, KRH-2, US-312, RH. -312, rh. -1531 etc and fragrant paddy varieties- Type-3, Pusa Basmati-1, Malviya Sugandh-105, Malviya Sugandha-3-4, Narendra Sugandh and Narendra Usar Paddy-1, Narendra Usar Paddy-2, Narendra Usar Paddy-2008, CLR-10 etc Insert nursery by arranging any one variety of seeds and fertilizers . Light irrigation should be done in the field 15 days before planting the nursery of paddy seeds so that the weeds coming out in the field are destroyed while preparing the field. 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, Dikalb- 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.
MAIZE (Maturity and Harvesting)	Considering the possibility of rain, keep the harvested maize crop in a safe place or collect the harvested crop in the field and cover it with polythene

Crop (Stage)	Crop Specific Advisory
	sheet. After rain, dry the crop thoroughly in the sun and do threshing. Farmers are advised to harvest the mature maize corn and after separating the grain from the broken corn, dry it well in the sun and store it.
SUGARCANE (Vegetative)	In view of the possibility of rain, postpone irrigation work. Maintain proper moisture by irrigating standing sugarcane crop as per requirement and do weeding for weed control. Complete all these agronomic operations before the onset of rains monsoon. 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)	Raise nursery/ sow seedlings of vegetables to be sown in Kharif. This is the appropriate time for nursery of brinjal, chili, early cauliflower and sowing of ladyfinger, cowpea, pumpkin, bottle gourd, ridge gourd, bitter gourd, cucumber etc. Harvest the ready crops of Zaid pumpkin, bottle gourd, bitter gourd, cucumber, watermelon, muskmelon etc. and send them to market. For prevention of fruit borer/leaf borer pest in vegetable crops, prepare solution of neem oil 1.5-2.0 ml/liter in water and spray 3-4 times at an interval of 8-10 days. Do weeding in standing vegetable crops and do irrigation work in the evening at an interval of 8-10 days. For controlling green hopper and white fly in cucurbitaceous crops, spray 1.0 ml of Imidacloprid 30.5% chemical and for controlling stem and fruit borer pests, spray 1.0 ml of Flubendiamide 39.35% chemical by dissolving it in one litre of water. To protect against fruit fly, apply 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 mango and guava from fruit flies, hang 8-10 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	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 (Divmirg). To protect the chickens from heat, arrange curtains, fans and ventilation in the

Poultry	Poultry Specific Advisory
	hen house. To save the chickens from the heat, sprinkle water on the curtains engaged in the chicken house so that the coolness remains.

Likely impacts of weather warnings (General)

According to the weather forecast received from the Indian Meteorological Department, there is a warning on light to moderate rain, thunderstorms & lightning, strong winds at a local level between dated on 18-22 June 2025.

Impact based advisories (General)

In view of the possibility of light to moderate rainfall in the coming week, farmers are advised to harvest the ripe Zaid crops and keep the grains safe. Prepare the field for transplanting the ready paddy saplings and plant the saplings, and sow Kharif crops at appropriate moisture. Do not tie the animals in open spaces 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>