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## Agromet Advisory Bulletin

Date : 01-07-2025

Weather Forecast of HATHRAS (Uttar Pradesh) Issued On : 01.07.2025 (Valid Till 08:30 IST of the next 5 days)

Parameter	02-07-2025	03-07-2025	04-07-2025	05-07-2025	06-07-2025
Rainfall(mm)	6.0	10.0	19.0	15.0	10.0
Tmax(°C)	35.0	35.0	35.0	33.0	32.0
Tmin(°C)	26.0	26.0	26.0	25.0	24.0
RH-I(%)	83	86	88	95	94
RH-II(%)	63	60	66	73	75
Wind Speed (kmph)	14.0	12.0	6.0	1.0	9.0
Wind Direction(Degree)	84	83	360	90	72
Cloud Cover(Octa)	7	7	7	8	7

### 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 02 to 06 July, 2025. The maximum temperature is between 32.0- 34.0°C, which is likely to be 1-2°C lower normal and the minimum temperature is between 24.0- 26.0°C, which is likely to be 1-2°C lower normal. The maximum and minimum range of relative humidity is between 83-95 and 60-75%. Wind direction is north-east, north and wind speed is between 1.0-14.0 kmph with gusts expected to be 4-5 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 at the local level between 02-06 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 plant the prepared paddy saplings. Make proper arrangements for the drainage of excess rainwater from the remaining crops except the paddy crop. Harvest the mature zaid crops and store the grains in a safe place. Do not tie the animals in open places during the rainy season and do not leave them outside for grazing.

### General Advisory:

If the harvested crop in the field has got wet due to the rains of the past week, then dry the crop well in the sun and complete the threshing work soon. Transplant the prepared paddy saplings and in the event of no rain, sow Kharif maize, groundnut, sorghum, sesame and pigeon pea etc. Strengthen the bunds of the fields for

transplanting paddy saplings. So that the rainwater remains in the fields. For insecticides, pesticides and weedicide chemicals, use only clean water to wash the equipment 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 after spraying, before eating and after washing clothes.

### **SMS Advisory:**

Farmers are informed to plant the prepared paddy saplings and in the event of no rain, they should sow Kharif maize, groundnut, sorghum, sesame and pigeon pea etc.

### **Crop Specific Advisory:**

<b>Crop (Stage)</b>	<b>Crop Specific Advisory</b>
RICE (Transplanting)	Make proper arrangements for the drainage of excess rainwater from the paddy nursery. In case of excessive rainfall, postpone the transplanting work. Prepare the field for transplanting paddy saplings and transplant 22-25 days old paddy saplings. Strengthen the bunds of the fields for transplanting paddy saplings. So that rainwater remains in the fields. For control of broad and narrow leaf weeds in paddy crop, anilophos 30% EC is applied within 2-3 days of transplanting. Or prittlechlor at the rate of 1.25 liters / ha and make a solution in 500 -600 liters of water and spray 2-3 inches of water. If Khaira disease is visible in paddy, then spraying 20-25 kg zinc sulphate and 2.5 kg lime in 800 liters of water is sprayed for its control.
MAIZE (Sowing)	Make proper arrangements for drainage of excess rain water. Sowing should be done in case of no rain. In the maize crop sown on time, first weeding should be done after 15-20 days. Sow the recommended hybrid varieties of Kharif maize- D-7074, D-9144, M-2525, Ganga, Azad Shekhar Maize-1, Azad Shekhar Maize-2, Azad Uttam and Azad Kamal etc.
SESAME (GINGELLY/TIL) (Sowing)	In view of the possibility of rain, farmers should postpone sowing. Sowing of any one of the recommended varieties of sesame crop - Type-4, 12, 13, Type-78, Shekhar, Pragati, Tarun, RT-351 and RT-346 etc. should be done when the sky is clear.
GROUNDNUT (Sowing)	In view of the possibility of rain, farmers should postpone sowing. Sow the recommended hybrid varieties of Kharif Groundnut - Chitra, Kaushal, Prakash, Amber, Utkarsh, Divya, Kaushal-bunch variety - Chandra, TA-28, 64 M-13 etc. and for sowing peanuts, sow at the rate of 70-80 kg / hectare 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:**

<b>Horticulture (Stage)</b>	<b>Horticulture Specific Advisory</b>
CAULIFLOWER (Nursery Bed Preparation)	This is the suitable time for nursery of vegetables sown in Kharif like brinjal, chilli, 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/litre of water and spray 3-4 times at an interval of 8-10 days. For

Horticulture (Stage)	Horticulture Specific Advisory
	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 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 (Divmirg). To protect the chickens from heat, arrange curtains, fans and ventilation in the hen house.