



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



Agromet Advisory Bulletin

Date : 2025-04-17

Weather Forecast of District SITAPUR (Uttar Pradesh) Issued On : 2025-04-17 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-04-18	2025-04-19	2025-04-20	2025-04-21	2025-04-22
Rainfall(mm)	3.0	0.0	6.0	2.0	0.0
Tmax(°C)	38.0	39.0	38.0	39.0	41.0
Tmin(°C)	25.0	26.0	27.0	26.0	25.0
RH-I(%)	67	68	73	71	62
RH-II(%)	33	35	37	35	28
Wind Speed(kmph)	9	19	25	8	5
Wind Direction(Degree)	92	104	109	116	18
Cloud Cover(Octa)	4	1	3	3	0
Warning	No Warning	No Warning	Thunderstorms & Lightning, Squall etc; Strong Surface Winds	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 next five days there is a possibility of light to moderate rain with thunderstorms & lightning, squall, strong surface winds between dated on 18-21 April, 2025. The maximum temperature is between 38.- 41.0°C, which is likely to be 1-2°C higher normal and the minimum temperature is between 25.0-27.0°C, which is likely to be 3-4°C higher normal. The maximum and minimum range of relative humidity is between 62-73 and 28 - 37%. Wind direction is north-east, south-east and wind speed is between 5.0-25.0 kmph with gusts expected to be 10-15 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 a warning of thunderstorms, lightning, light rain with strong winds at local level between 18-21 April 2025.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

Farmers are advised to complete the threshing of the harvested crop as soon as possible and store the grain in a safe place after observing light rains with thunderstorms and strong winds and warm nights between 18-21 April, 2025.

General Advisory:

Farmers are advised that if the harvested crop has got wet in the rain due to the rains of the last week, then dry it well in the sun and conserve the grain after threshing and complete the harvesting and threshing of the ripe crop quickly, make bundles of the harvested crop immediately, do not leave the

harvested crop open in the field. For insecticides, fungicides and weedicide chemicals, separate or use only clean water to wash the equipment and do not spray or spray insecticides, pesticides and weedicides standing in the opposite direction of 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 or hand wash.

SMS Advisory:

Farmers are advised to thresh the harvested crops and store the grains in a safe place in view of the possibility of light rain with thunderstorms and strong winds between 18-21 April, 2025.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
WHEAT (Harvesting)	In view of the possibility of rain, make proper arrangements for drainage of excess rainwater from wheat fields. Do threshing work by harvesting mature wheat crops. Bundles must be tied after harvesting the wheat crop so that the lock cannot be blown away due to strong winds and threshing should be done in the evening and at night when the wind is calm.
MAIZE (Vegetative)	In view of the possibility of rain, postpone irrigation/fertilizer/insecticide/pesticide spraying in the fields and also make proper arrangements for drainage of excess rainwater. Keep maize crops free from weeds. There is a possibility of outbreak of stem borer / shoot fly pest in maize crop, so for its prevention, solution of Emamectin Benzoate 5% SG at the rate of 200 g/ha or Dimethoate 30% EC 1.0 l/ha in 600-700 liters of water make a spray.
BLACK GRAM (Vegetative)	In view of the possibility of rain, postpone irrigation/fertilizer/insecticide/pesticide spraying in the fields and also make proper arrangements for drainage of excess rainwater. Keep black gram crops free from weeds. Thrips /green leaf pest is likely to be seen in black gram crop, so for its prevention, spray Oxidemetan-methyl 25% EC or Dimethoate 30% EC at the rate of 1.0 liter/ha by making a solution in 600-700 liters of water.
GREEN GRAM (Ear Emergence)	In view of the possibility of rain, postpone irrigation/fertilizer/insecticide/pesticide spraying in the fields and also make proper arrangements for drainage of excess rainwater. Keep the green gram free from weeds. There is a possibility of Thrips/Green Hopper pest infestation in the green gram, so to prevent this, spray Oxydemeton-methyl 25% EC or Dimethoate 30% EC at the rate of 1.0 liter/hectare by dissolving it in 600-700 liters of water.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
ONION (Physiological Maturity)	In view of the possibility of rain, postpone irrigation/fertilizer/insecticide/pesticide spraying in the fields and also make proper arrangements for drainage of excess rainwater. The best time to harvest onions is one week after 50% of the leaves fall. Thrips pest is likely to appear in the onion crop, so for its prevention, use Methyl-O-Dimethan 25% EC.at the rate of 1.5 liters / ha spray the solution in 600-700 liters of water. Irrigation should be done by weeding and hoeing the vegetables planted in the summer season, tomato, brinjal and chilli. After harvesting the ready crops of pumpkin, gourd, taroi, bitter gourd, cucumber, cucumber, watermelon, muskmelon etc. sown in summer, send them to the market.
MANGO (Fruit formation)	Do irrigation work in orchards of mango, guava, lemon plum, grapes, papaya and litchi etc. Irrigate the orchards to prevent fall of mango fruit or apply 4.5 SL of of 20 ml alpha naphthalene acetic acid make a solution per liter of water and spray it. To prevent cuckoo disorder or internal rot disease in mango pods, make borax 0.8% solution in 0.8 g / liter water and spray 2 at 10 days interval.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
BUFFALO	In view of the prevailing weather, farmers are advised to Tie the animals in an open place at night. tie the animals in a shaded place or in the shade of a tree during the day. Feed animals with green fodder and easily digestible mineral mixture and salt. The animals must be given clean and cold water 3-4 times a day. It is the appropriate time to give anthelmintic medicine to the animals for the prevention of worms in the stomach. FMD for the prevention of foot-mouth disease to animal's vaccine and VQ for prevention of Lagadia fever. Get vaccinated with the vaccine. Do not leave the animals outside to graze between 11 am to 4 pm. Bathe the animals in the morning and evening.

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. To reduce the temperature of the hen house, cover the roof of the shed with straw.

Likely impacts of weather warnings (General)

According to the weather forecast received from the Indian Meteorological Department, there is a warning of thunderstorms, lightning, light rain with strong winds at local level between 19-20 April 2025.

Impact based advisories (General)

Farmers are advised to complete the threshing of the harvested crop as soon as possible and store the grain in a safe place after observing light rains with thunderstorms and strong winds and warm nights between 19-20 April, 2025.

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>