



Gramin Krishi Mausam Sewa
Agromet Advisory Bulletin for NAINITAL District
Govind Ballabh Pant University of Agriculture & Technology
 Udham Singh Nagar, Pantnagar, Uttarakhand



Agromet Advisory Bulletin

Date : 2025-09-16

Weather Forecast of District NAINITAL (Uttarakhand) Issued On : 2025-09-16 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-09-17	2025-09-18	2025-09-19	2025-09-20	2025-09-21
Rainfall(mm)	26.0	15.0	12.0	10.0	8.0
Tmax(°C)	20.0	21.0	21.0	21.0	22.0
Tmin(°C)	15.0	14.0	14.0	14.0	14.0
RH-I(%)	95	92	92	90	90
RH-II(%)	75	70	70	70	70
Wind Speed(kmph)	3	3	3	3	3
Wind Direction(Degree)	124	140	140	110	130
Cloud Cover(Octa)	6	4	4	3	3
Warning	Heavy Rain; Very Heavy Rain; Thunderstorms & Lightning, Squall etc	Heavy Rain; Thunderstorms & Lightning, Squall etc	Thunderstorms & Lightning, Squall etc	Thunderstorms & Lightning, Squall etc	Thunderstorms & Lightning, Squall etc

Forecast Summary:

During the upcoming days the region is expected to experience light to moderate rainfall of 8-26 mm with maximum-minimum temperature of 20-22°C and 14-15°C, respectively. The wind is expected to blow from south-east, south-east-east and east-south-east direction with a speed of 3 kmph. Orange warning has been issued regarding light to moderate rainfall, thunderstorms/lightning at many places on 16 September while yellow warning has been issued regarding the occurrence of light to moderate rainfall with thundershowers at few places from 17-22 September.

Weather Warnings (Valid Till 08:30 IST of the next day)

Orange and yellow warnings have been issued regarding the occurrence of light to moderate rainfall with thundershower.

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

Water logging and disruption in insect/disease spray application. Provide proper drainage and any kind of spray application for disease/pest should be postponed.

General Advisory:

The farmers and other related community can download the "Mausam" app for regular weather information and rainfall alerts. Other apps like "Meghdoot" and "Damini" are also available for regular update of meteorological and lightning data, respectively. All the apps can be easily downloaded from

Google Play Store (Android users) and App Centre (iOS users). The extended range forecast shows normal rainfall, maximum-minimum temperature trend during 12.09.2025 to 18.09.2025.

SMS Advisory:

As per IMD light to moderate rainfall has been predicted so any kind of chemical spray against insect/disease should be postponed or done on light rainfall days.

Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
RICE (Panicke Initiation)	The rice crop in medium hills should be monitored for disease/pest and on occurrence of bacterial blight symptoms, spray 15 grams of streptocycline + 500 grams of copper oxychloride in 1000 liters of water per hectare. The spray should be done at 7-10 days interval. On the occurrence of stem borer above ETL, chlorantraniliprole 20 SC @150ml/ha or Chlorpyrifos 20 EC in 500-600 lit of water /ha should be sprayed during clear weather conditions or light rainfall conditions. On occurrence of common pest i.e. brown plant hopper farmers need to spray Fipronil 5 SC @1000 ml/ Thiamethoxam 25 WSG @100gm mixed in 500 litre water per hectare. The spray should be done near the stem. All the chemical sprays should be done keeping the forecast in mind and proper drainage should be maintained in the fields.
MAIZE	In higher hills, monitor the crop properly and on cob formation maintain optimum moisture in the field. Apply Mancozeb or Zineb 75 WP @ 1.5 -2.0 kg in 750- 800 litres of water per hectare on occurrence of blight. Second spraying should be done at 10-15 days interval. All the spraying operations should be done under light rainfall conditions or clear weather conditions. The early maize varieties should be harvested and stored well. Proper drainage should be maintained in the fields.
FINGER MILLET (Panicke Initiation)	In late maturing varieties of millets, keep monitoring the crop as the stem borer harms the crop. For its prevention, Fipronil 5 S. C. @1 liter or Chlorpyrifos 20 E. C. @2.5 liters dissolved in 500-600 liters of water should be sprayed on the affected region. All the farming activities should be done under clear weather conditions and light rainfall. The matured millet varieties should be harvested. Proper drainage should be maintained in the field and the harvested produce should be stored well.
PIGEON PEA (RED GRAM/ARHAR) (Flowering)	On occurrence of pods proper soil moisture should be maintained in the field. On appearance of pod borer, apply pheromone @5-6 traps/ha in the field at the time of flowering. If 5-6 moths per trap were seen continuously for two-three days, then use one of the following drugs i.e. N.P.V. @500 borer equivalent B. T. @1 kg/ha. Nimboli 5% + 1% soap solution and Indoxacarb 14.5 E.C. @353 -400 ml or Emamectin benzoate 5 SG @220 mg or Spinosad 45 SC @125-162 ml/ha. All the spraying operations should be done under clear weather and light rainfall conditions. Proper drainage should be maintained in the field.
SOYABEAN (Flowering)	Monitor the crop regularly and in case of occurrence of stem fly apply Chlorantraniliprole 18.5 SC @150 ml mixed in 700-800 litre of water. The application is effective for girdle beetle. All the spraying operations should be done under clear weather conditions and under light rainfall occurrence. Proper drainage should be maintained in the field.
GREEN GRAM (Vegetative)	The crop in the vegetative stage should be monitored regularly. Weeding operation should be taken up in the last month sown crop and proper soil moisture should be maintained. On occurrence of yellow mosaic virus which is transferred by white fly, apply pyriproxyfen 10 E.C. @0.5 litre / ha mixed in 500-600 litre of water at 10-12 days interval. All the spraying operations should be done under clear and light rainfall conditions. Proper drainage should be maintained in the field.
BLACK GRAM (Vegetative)	The crop in the vegetative stage should be monitored regularly. Weeding operation should be taken up in the last month sown crop and proper soil moisture should be maintained. On occurrence of yellow mosaic virus which is transferred by white fly, apply pyriproxyfen 10 E.C. @0.5 litre / ha mixed in 500-600 litre of water at 10-12 days interval. All the spraying operations

Crop (Stage)	Crop Specific Advisory
	should be done under clear and light rainfall conditions. Proper drainage should be maintained in the field.

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
CAULIFLOWER (Transplanting)	Four to six weeks after transplanting, light hoeing should be done and soil should be applied to the roots. Active Ingredient fluchlorolin @1.0 kg/ha should be applied for chemical weed control one day before planting. All the spraying farming activities should be done under clear weather or light rainfall conditions. Proper drainage should be maintained under heavy rainfall conditions.
RADISH (Sowing)	In radish crop if soil is dry then moisture should be maintained in the freshly sown field just after sowing as well as at the appearance of 3-4 leaves.
CARROT (Sowing)	After germination regular weeding should be done and plant to plant distance should be maintained at 6-10 cm. The farming activities should be done under clear weather conditions and light rainfall conditions.
Faba bean/ Broad bean (Sowing)	Sowing can be taken up in this month. All the farming activities should be done under clear weather conditions and light rainfall.

Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
COW	After 15 days calves should be fed with calcium, magnesium, phosphorus, zinc, iron, iodine and copper elements should be consumed in the form of salt mixture or mineral drops.
BUFFALO	To prevent 'footrot' disease, hooves should be dipped in 10% formalin solution or 5% blue solution for 2-3 minutes in the morning and evening for at least 3 days.
GOAT	In rural areas, 2 shots of tetanus toxoid should be administered to sheep and goats at one month and the other at 5 months, so that newborn lambs do not get tetanus disease.
SHEEP	In rural areas, 2 shots of tetanus toxoid should be administered to sheep and goats at one month and the other at 5 months, so that newborn lambs do not get tetanus disease.

Likely impacts of weather warnings (General)

Disruption in chemical applications.

Impact based advisories (General)

All the chemical applications should be done under clear weather conditions and light rainfall conditions.
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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