



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



## Agromet Advisory Bulletin

**Date: 07.06.2024**

**Weather Forecast of District UDHAMSINGH-NAGAR (Uttarakhand) Issued On: 2024-06-07 (Valid Till 08:30 IST of the next 5 days)**

Parameter	08/06/2024	09/06/2024	10/06/2024	11/06/2024	12/06/2024
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Max Temp(°C)	37.0	37.0	38.0	39.0	40.0
Min Temp(°C)	22.0	22.0	23.0	23.0	24.0
Max RH I (%)	65	65	65	65	65
Min RH II (%)	30	30	30	30	30
Wind speed (km/h)	3	4	3	4	3
Wind direction	140	140	160	140	160
Cloud cover	0	1	0	1	3

### **Weather Summary/Alert:**

Last week (31 May to 06 June) 1.6 mm rainfall was recorded with the maximum-minimum temperature ranging 38.5 to 43.6°C and 23.4 to 28.7°C, respectively. The morning and evening relative humidity ranged between 37-64% and 20-39%, respectively while the wind blew from west, east-south-east, west-south-west, south-west-south, west-north-west, south-east and west-north-west direction at a speed varying between 5.9-9.5 kmph. Clear skies with pleasant weather were observed last week. The upcoming forecast shows no rainfall and maximum-minimum temperature are expected to vary as 37.0-40.0°C and between 22.0-24.0°C, respectively. The wind is expected to blow from south-east and south-south-east direction at a speed of 3-4 kmph. No rainfall is expected in the following week and dry weather is likely to prevail in the region.

### **General Advisory:**

Farmers can download the "Meghdoot" and "Damini" app available for regular update of meteorological and lightning data, respectively from Google Play Store (Android users) and App Centre (iOS users). The NDVI shows good agricultural vigour in the region. The extended range forecast shows large deficient rainfall and normal maximum-minimum temperature trend during 07.06.2024 to 13.06.2024. Dry weather has been predicted in the region so irrigation should be applied as required and moisture conservation measures should be followed.

### **SMS Advisory:**

As per the IMD forecast, dry weather has been predicted in the region so irrigation should be applied and moisture conservation measures should be followed where possible.

### Crop Specific Advisory:

Crop (Varieties)	Stage	Crop Specific Advisory
Rice	Nursery preparation	Paddy nursery is prepared in the month of June. Preparation of nursery for mid duration variety of paddy like - Narendra-359, Pant dhan-18, HKR-147, PR-113 etc should be done up to 10th June. (2) Direct sowing of paddy can be done in the first fortnight of June. For this, choose medium duration varieties of paddy. Keep the seed rate at 60-70 kg/ha and sow the seeds in rows at a distance of 18-22 cm. Apply Pendimethalin 1.0 kg active ingredient per hectare within 2 days of sowing. With this method we can save 20% of water & the cost of transplanting also and crop is ripen 7-10 days before. The nursery needs to be safeguarded from direct sunlight using shade nets. Sowing should be done at line to line distance of 20 cm at a depth of 4-5 cm under wet method.
Sunflower	Maturity	The mature sunflower heads should be harvested and dried well. After drying sticks should be used to separate the sunflower seed.
Urd/Moong	Maturity/Harvest	Mature crop should be harvested and dried well before storage.
Pigeon pea/Arhar	Sowing	Sowing of early varieties of arhar that are UPAM-120 and Pant Arhar 291 should be done till mid June. For good production rhizobium treated seeds should be used.
Sugarcane	Vegetative	The autumn planted and spring planted new sugarcane crop should be irrigated as required and regular hoeing-weeding should be done. As per the recommendation nitrogen application should be done and soil should be piled around the stem (earthing up).
Spring maize	Maturity/Harvest	Mature cobs should be harvested for sale. Bird scaring should be practiced.

### Horticulture Specific Advisory:

Horticulture (Varieties)	Stage	Horticulture Specific Advisory
Brinjal	Sowing/ Transplanting	The sowing or transplanting of round brinjals should be done. The transplanting should be done during evening hours. Sufficient spacing of 75cm row to row and 60-75cm plant to plant should be maintained.
Pumpkin/Other cucurbits	Flowering/fruiting	If the pumpkin family crops are showing spots or curling, then destroy such plants and apply all-round insecticide to protect from sucking pests. Soil moisture should be maintained to avoid flower drop.
Okra/Ladyfinger	Fruiting	At harvesting stage, any kind of insecticide application should be avoided. If required, the framers may go for organic application of neem oil @3ml/l of water.
Chilli	Flowering/fruiting	Farmers need to complete the harvesting of the prepared chilli crop, as well as remove and destroy the infected plants (when shriveled and pitted leaves are visible) to control viral diseases and spray insecticides to control sap-sucking insects. Spray Mancozeb 2.5g/l or Copper oxychloride 3.0g/l of water to prevent outbreak of blight. To prevent flower drop maintain moisture in the crop.
Ginger/Turmeric	Planting	Planting of the crops can be taken during the monsoon season and enough soil moisture should be maintained for proper growth.

## LiveStock Specific Advisory

Livestock	LiveStock Specific Advisory
Cow	As the monsoon season is arriving, the cows are sensitive to diseases so the required vaccination should be done in time.
Buffalo	A congenial environment needs to be maintained for the animals for which the following points should be kept in mind: Regular bathing of animals is must. No exposure to excessive heat. Exhaust fans should be installed for good ventilation. Provide mosquito nets to avoid mosquito biting.

### Others (Soil/Land Preparation)

Others (Soil/Land Preparation)	Others (Soil/Land Preparation) Specific Advisory
General Advice	Soil testing to be done for nutrients and accordingly the nutrients to be added to the soil. Deep ploughing to be done upto 20-25 cm. Levelling of field is required.