



V.C.S.G. Uttarakhand University of Horticulture & Forestry
College of Forestry, Agromet Field Unit
Ranichauri, Tehri Garhwal-249 199, Uttarakhand
Ph. No. 01376 - 252 150 Email: ranichauri.amfu@gov.in



District Agromet Advisory Service Bulletin, Champawat

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As per Moderated Forecast Data; NUMERICAL WEATHER PREDICTION MODELS BASED DISTRICT LEVEL WEATHER PREDICTION by Meteorological Center, Dehradun; following weather parameter would be prevailed in District Champawat, Uttarakhand-

Parameter/forecast period	(between 0830 hours of Yesterday & 0830 hours Today)				
	01-08-2018	02-08-2018	03-08-2018	04-08-2018	05-08-2018
Rainfall (mm)	Moderate (35 mm)	Rather than heavy (45 mm)	Rather than heavy (50 mm)	Rather than heavy (50 mm)	Moderate (20 mm)
Maximum Temperature (°C)	24	25	26	26	27
Minimum Temperature (°C)	18	17	16	15	16
Total cloud cover in the sky (okta: 0-8 0 oktas (completely clear sky) 8 oktas (completely overcast))	Generally Cloudy (6)	Generally Cloudy (7)	Generally cloudy (7)	Generally Cloudy (7)	Overcast (8)
Maximum Relative Humidity (%)	90	90	95	95	95
Minimum Relative Humidity (%)	50	50	50	55	55
Wind speed (kmph)	4	6	4	6	6
Wind direction	South-East	South-East	South-East	South-East	South-East

Highlights of the past week weather: Observed meteorological parameters of last week; during the period of 25 to 31 July, 2018 at Agrometeorological Observatory, Ranichauri, Tehri Garhwal are as follows:

Cumulative weekly rainfall (mm)	137.9 mm	Cloud Cover	Moderate to Mainly cloudy
Max. Temperature ranges	19.2 °C to 24.4 °C	Minimum Temperature ranges	15.0 °C to 16.9 °C
Relative Humidity ranges (Afternoon)	82% to 100%	Wind Speed ranges	0.8 to 4.6 kmph
Bright Sun Shine Hours/Day ranges	0.0 to 4.3 hour	Wind Direction prevailed	South-West and South-East

Normalized Difference Vegetation Index for the week No. 28 ending on 16 to 22 July, 2018; agriculture vigor is moderate.

Standardized Precipitation Index (cumulative 8 weeks for the period of 01 June to 25 July, 2018): precipitation near to normal during the period.

Note: Farmer registration for SMS Link: <http://imdagrmet.gov.in/farmer/Form.php>
 District GKMS Bulletin, Link: <http://www.imdagrmet.gov.in/node/3498>

Crop	Stage	Crop	Stage
Paddy, Barnyard millet (Rainfed)	Panicle initiation	Paddy (Irrigated)	Tillering
Finger millet, Amaranth	Tillering/vegetative growth	Pigeon pea, Soybean, Black gram etc	Seedling
Pumpkin, cucumber etc	Flowering/fruitlet	Cole crops,	Vegetative Growth/heading
Turmeric, Ginger	rhizome development	Tomato, Brinjal, Chili, Capsicum etc	Flower/ Fruiting
Potato (Rainfed)	Tuber growth/maturity	Apple Walnut, Pear	Fruit Development/Maturity

Medium Range Weather Forecast based Agro-Advisory

- Keeping in view of rainfall, farmers are advised to weeding, thinning should be done in the all crops. Keep proper drainage arrangements.
- The possibility of insect infestation is more in this season, so firstly, harvest the mature fruits, after that, spray Imidacloprid pesticide @ 01 ml or neem oil @5ml /liter of water with sticker. Do the second and third spraying at an interval of 10-12 days.
- For control of bacterial black rot disease in cauliflower crop, spray copper oxychloride @0.3% + Streptocycline @ 0.2% with sicker.
- Due to high humidity and temperature in this season, there is more possibility to outbreaks of late blight on capsicum, to control it, spray fungicide i.e. mancozeb @0.25% or Ridomil @ 0.2% with sticker.
- Fruit flies infected fruits should be picked and buried in the soil. Protection of cucurbitaceous crops against fruit fly by use of mixing juggary with Malathion 10 % and putting at different corners of the field is advised. Also install Light trap, Pheromone trap to minimize the pest infestation.
- If there is an outbreak of blight disease in the standing crop of potato, firstly cut the plants from the surface of the ground and put into the pit outside the field.
- Harvest mature fruits of pear and early variety of apple. Avoid water logging into basin.
- Transplant mulberry seedling for silk production.
- This is most suitable time to transplant rainy seasons fruit plants, fodder plants, grasses etc.
- Farmers are advised to do proper arrangement for storing rain water at one portion in the field.
- FMD Vaccination is strongly recommended for all livestock. Farmers may please contact nearest veterinary hospital/institution/V.O. for the vaccination.

Nodal officer
AMFU, Ranichauri

Technical Officer
AMFU, Ranichauri

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