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District Agromet Advisory Service Bulletin, Champawat

Issued on: 07-08-2018

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)				
	08-08-2018	09-08-2018	10-08-2018	11-08-2018	12-08-2018
Rainfall (mm)	Moderate (30 mm)	Moderate (20 mm)	Moderate (20 mm)	Rather than heavy (55 mm)	Rather than heavy (60 mm)
Maximum Temperature (°C)	22	23	23	22	22
Minimum Temperature (°C)	18	18	18	17	17
Total cloud cover in the sky (octa: 0-8) 0 octa (completely clear sky) 8 octa (completely cloudy sky)	Generally Cloudy (7)	Generally Cloudy (6)	Generally cloudy (6)	Generally Cloudy (7)	Generally Cloudy (7)
Maximum Relative Humidity (%)	95	90	90	95	95
Minimum Relative Humidity (%)	55	50	50	55	55
Wind speed (kmph)	4	4	6	4	4
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 01 to 07 August, 2018 at Agrometeorological Observatory, Ranichauri, Tehri Garhwal are as follows:

Cumulative weekly rainfall (mm)	110.6 mm	Cloud Cover	Mainly cloudy to Overcast
Max. Temperature ranges	19.1 °C to 23.8 °C	Minimum Temperature ranges	15.1 °C to 17.0 °C
Relative Humidity ranges (Afternoon)	82% to 100%	Wind Speed ranges	0.7 to 4.7 kmph
Bright Sun Shine Hours/Day ranges	0.0 to 4.8 hour	Wind Direction prevailed	South-West and South-East

Normalized Difference Vegetation Index for the week No. 28 ending on 23 to 29 July, 2018; agriculture vigor is moderate.

Standardized Precipitation Index (cumulative 9 weeks for the period of 01 June to 01 August, 2018): precipitation below 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)	Stem elongation
Finger millet, Amaranth	Vegetative growth/Flowering	Pigeon pea, Soybean, Black gram etc	Vegetative Growth
Pumpkin, cucumber etc	Flowering/fruitleing	Cole crops	Vegetative Growth/heading
Turmeric, Ginger	rhizome development	Tomato, Brinjal, Chili, Capsicum etc	Flower/ Fruiting
Potato (Rainfed)	Tuber growth/maturity	Apple Walnut, Citrus	Fruit Development/Maturity

Agro advisory based on advices received from the experts of agromet-advisory committee

- Keeping in view of moderate to heavy rainfall, farmers are advised to do proper arrangement for drainage in all vegetables, pulse, maize and other crops. Farmers are also advised not to do any type of spray in the crops.
- Farmers should do weeding, hoeing and roguing in the standing crops and vegetables to protect them from weeds keeping in mind their rapid growth in the rainy season.
- Harvest mature fruits of tomato, capsicum, chilli etc.
- In polyhouse, there is more possibility to outbreaks of blight disease on capsicum, spray fungicide i.e. mancozeb @0.25% or Redomil @ 0.2% with use of sticker.
- Fruit flies infected fruits should be picked and buried in the soil. Protection of cucurbitaceous crops against fruit fly by use of mixing jiggary 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. Avoid damages of branch during harvesting of fruits.
- If die back disease appears on citrus plants, farmers are advised to cut the affected braches and apply chaubatia paste on cut portion of plant.
- Keep continue to transplant mulberry seedlings for silk production.
- Keep continue 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.
- Special care should be taken to clean animal hooves. Do not feed newly shoots of oak to animals.

Nodal officer
AMFU, Ranichauri

Technical Officer
GKMS Project

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