

ग्रामोभ्युदयादेव देशोभ्युदयः

Govind Ballabh Pant University of Agriculture and Technology

Department of Agrometeorology

College of Agriculture

Pantnagar-263145, Uttarakhand

Phone No. 05944 - 233 032



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As per forecast received from National Centre for Medium Range Weather Forecast, India Meteorological Department, Mausam Bhawan, New Delhi and value added to the forecast by Meteorological Centre, Dehradun for next five days for Nainital district are as follows:

Parameter	Nainital				
	08/09/2018	09/09/2018	10/09/2018	11/09/2018	12/09/2018
Rainfall (mm)	15	20	30	30	30
Max Temp ($^{\circ}$ C)	23	24	22	23	24
Min Temp ($^{\circ}$ C)	14	15	14	13	13
Cloud Cover	Dense Cloudy	Dense Cloudy	Dense Cloudy	Dense Cloudy	Cloudy
Max RH I (%)	85	80	90	90	80
Min RH II (%)	45	40	45	50	40
Wind speed (km/h)	006	008	006	004	004
Wind direction	ESE	ESE	SE	SE	SE

Moderate rain with cloudy to dense cloudy sky may likely to occur in coming five days.

According to the observations recorded at India Meteorological Department Observatory located at Nainital (Altitude: 2084 m) during last seven days (31 Aug – 6 Sept, 2018), it is observed that state of sky were cloudy to dense cloudy. Maximum and minimum temperature varied between 18.4° C to 22.0° C and 14.2° C to 15.2° C respectively.

Weather Based Agro-Advisories

Crop Management:

- Sowing of toria (lahi) crop should be done in the first fortnight of this month. Toria is short duration crop. So, after harvesting of toria crop, late sowing of wheat crop can be done.
- Field should be prepared for short duration crop of toria by 2-3 ploughing in conserved moisture condition. Improved variety of toria are- Uttara, PT 303, PT 30, Pant Toria 508 and Bhawani etc. Seed rate should be 4 Kg/Ha and sowing should be done in lines at 30 cm distance and a depth of 3-4 cm.
- Seed treatment of toria should be done before sowing with 35 SD @ 4g/kg of seed.
- In paddy crop, weed management and proper storage of water should be done.
- To control the leaf blight disease in maize crop, mancozeb @ 2.5g/lit of water should be sprayed.

- Remaining dose of nitrogen should be given as a top dressing twice at the time of panicle initiation after 20 days of transplanting and starting stage of ear formation i.e. 40-50 days of transplanting. Proper moisture should be available in the field at the time of top dressing and rain drops are not there in the leaves.
- Arrangement of proper drainage should be done in pulses and sugarcane crops.
- Weeds should be removed from the sugarcane field and irrigation and drainage should be maintained.

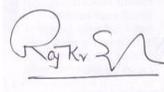
Horticultural Management:

- In valley, cabbage and cauliflower snowball should be transplanted in irrigated condition for domestic consumption.
- In high hills, sowing of Arkil variety of pea should be done.
- To control the white rotting in french bean and cowpea (lobia), Carbendazim 1 g/liter should be sprayed.
- To control the root and stem joint rot disease in tomato and chilly, irrigate the roots of the crops with the solution of trichoderma @ 10 g/lit or carbendazim @1 g/lit of water.
- If the upper stipe of chilly crop is drying after turning black, then infected branches should be removed by plucking to save the crop and to save the crop from rotting solution of 0.1% Carbendazim should be sprayed.
- On the occurrence of spot on the leaves of tomato and scorching of leaves, solution of mancozeb @ 2.5 g/lit of water should be sprayed.
- On the rotting of capsicum, solution of mancozeb @ 2.5 g/lit of water should be sprayed.
- If growth of white fungus is observed and there is the rotting of pods in French bean, solution of carbendazim @ 1g/lit of water should be sprayed.
- In temperate fruits, 1 % Caustic soda should be sprayed to remove the lichen from stem and branches of the trees.
- In case of heavy rainfall, it is advised that proper drainage should be made from the basins of fruit plant.
- Evergreen fruit plants like Mango, guava, Lemon, papaya, Litchi etc should be planted in this month.
- Weeding and hoeing operation may be taken up in the Orchard.

Animal Husbandry:

- In this month, rate of animal's delivery especially in buffalos increases. The Pregnant animals should be separated from other animals if possible and complete diet in little quantity at many times in a day should be given to them otherwise they can be affected by afra (fatty liver).
- To save the sheep and goats from infectious diseases, give vaccination of Interotoxemia and PPR.
- Green fodder should be given in less quantity to the animals. It is advised that green fodder can be given to the animals by mixing it in dry fodder.
- Drinking water should be clean because there is a possibility of occurrence of viruses due to parasite and fungus.
- Animal shed should be dried, for this, lime should be sprayed time to time in their places.
- Deworming doses should be given to the poultry birds on the recommendation of veterinarian because worms in the poultry birds lessen the production capacity of eggs.

- After animal's delivery, Gynotone or Utrotone medicine @ 200ml should be given in morning and evening hours for three days to clean the womb.

A handwritten signature in black ink, appearing to read 'Raj K. S.', is written on a light purple rectangular background.

Dr. R K Singh
Professor & Principal Nodal Officer-GKMS
AMFU- Pantnagar