

# ग्रामोभ्युदयादेव देशोभ्युदयः

Govind Ballabh Pant University of Agriculture and Technology

Department of Agrometeorology

College of Agriculture

Pantnagar-263145, Uttarakhand

Phone No. 05944 - 233 032



## Gramin Krishi Mausam Sewa Bulletin, District - Nainital

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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				
	02/03/2018	03/03/2018	04/03/2018	05/03/2018	06/03/2018
Rainfall (mm)	0	0	2	10	2
Max Temp ( <sup>0</sup> C)	20	20	19	16	17
Min Temp ( <sup>0</sup> C)	7	7	9	7	6
Cloud Cover	Cloudy	Cloudy	Dense Cloud	Dense Cloud	Cloudy
Max RH I (%)	85	85	90	95	85
Min RH II (%)	40	45	45	50	40
Wind speed (km/h)	004	006	006	006	008
Wind direction	NW	WNW	NE	E	NNW

According to the observations recorded at India Meteorological Department Observatory located at Nainital (Altitude: 2084 m) during last seven days (22–28 February 2018), it is observed that state of sky were clear to cloudy and rainfall of around 7.4 mm was received. Maximum and minimum temperature varied between 16.0<sup>0</sup>C to 21.0<sup>0</sup>C and 3.1<sup>0</sup>C to 10.0<sup>0</sup>C respectively.

### Weather Based Agro-Advisories

#### Crop Management:

- Irrigation should be applied in the wheat crop. On the occurrence of insect and pest diseases, spraying of recommended insecticides and pesticides should be used.
- Harvesting and threshing should be done in the mustard crop.
- On the occurrence of yellow blisters in the lower leaves or brown spot in the leaves or withering of leaves by turning yellow from the tip in the wheat crop, Propiconazole 25EC @ 1lit/ha should be sprayed.
- Advance agricultural equipments should be used to control the weed in the wheat crop.
- 120 Kg Nitrogen, 60 Kg Phosphorous and 40 Kg Potash are used for spring season sugarcane crop, 1/3<sup>rd</sup> dose of Nitrogen and complete dose of phosphorous and potash should be used as basal application.
- For sowing of sugarcane crop, 40-50 thousand sugarcane pieces/hectare with three eyes should be used for the purpose.
- Sowing of sugarcane crop should be completed up to 15<sup>th</sup> March.

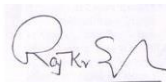
- Recommended variety of sugarcane should be taken according to your region.
- Seed treatment of sugarcane pieces should be done. Treatment should be done by dipping the pieces in 0.25% solution of agallol or emisan-6 for 10 minutes.

### **Horticultural Management:**

- In valley regions, Kufri jyoti variety of potato should be sown in the first week. If sowing has been done in the February month and it is germinated then cover them with soil and irrigation should be given based on the requirement.
- Sowing of French bean should be done in the first fortnight of this month.
- In high hilly regions where snow is melting, first half dose of Nitrogen fertilizer should be applied in the basins of temperate fruit trees.
- For pollination, at the time of flowering in the orchard of different varieties of temperate fruits, keep the boxes of bee @ 2-3/Ha.
- In high hills, tuber of potato should be treated in the solution of 0.25% chemical of mancozeb for half an hour and keep in the shade and save the tuber for sowing in the month of March.
- When lower leaves of pea are turning yellow and plants are drying, then roots of pea crop should be irrigated with the solution of carbendazim @ 1 g/ lit of water.
- If the upper part of leaves of onion and garlic are turning yellow, solution of propiconazole or tebuconazole @ 1 ml/lit of water should be sprayed.
- On the occurrence of yellowish brown spot in tomato, mancozeb 2.5-3.0 g/lit of water should be sprayed.
- To control the leaf spot disease in cole crops, solution of mancozeb @ 2.5 g/liter of water should be sprayed.

### **Animal Husbandry:**

- In this month care needs to be taken to prevent disease caused by hot water.
- If mosquitoes, flies, ticks etc. are increasing due care needs to be taken to prevent spread of disease caused by them.
- Animals are prone to sterility and Johne's disease (Paratuberculosis) during this time. They should provided immediate treatment for these.
- Sitting place of animals should be leveled so that their productive capacity is not affected and special care should be given to the new born animals.
- Keeping in mind the probable high rate of Cattle's delivery, animal shed should be well neat, clean, dry and ventilated. For this, dry Lime should be sprayed in the nearby places.
- Toxocara vitulorum (patera) are found in the food tube of buffalo calf in the age of 1-4month. More than 50% buffalo calf should be died because of delay in treatment. Piperazine should be given to the infected calf on identification of Patera disease.
- To save the buffalo calf from patera disease, 10-15Cc Neem oil should be given to the calf immediately after 10 days of his birth. Again after 10 days, 10-15 CC Neem oil should be given. Chenopodium album oil can also be given as a fodder to animals to save the calf/animals from patera disease.



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