

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

Year: 27 Issue No.: 35 Bulletin Period: 2– 6 May 2018 Day: Tuesday Dated: 01.05.2018

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				
	02/05/2018	03/05/2018	04/05/2018	05/05/2018	06/05/2018
Rainfall (mm)	5	20	10	2	3
Max Temp ($^{\circ}$ C)	25	23	22	23	24
Min Temp ($^{\circ}$ C)	14	13	12	11	12
Cloud Cover	P-Cloudy	Dense Cloudy	Dense Cloudy	Cloudy	P-Cloudy
Max RH I (%)	80	85	90	85	80
Min RH II (%)	40	45	50	45	45
Wind speed (km/h)	006	008	006	004	004
Wind direction	SE	E	SE	SE	NE

Light to moderate rain from 2nd May to 6th May with partly to dense cloudy sky may likely to occur.

According to the observations recorded at India Meteorological Department Observatory located at Nainital (Altitude: 2084 m) during last seven days (24 – 30 April, 2018), it is observed that state of sky were clear, p-cloudy to cloudy and rainfall of around 5.9 mm was received. Maximum and minimum temperature varied between 22.8 $^{\circ}$ C to 25.6 $^{\circ}$ C and 8.8 $^{\circ}$ C to 13.3 $^{\circ}$ C respectively.

Weather Based Agro-Advisories

Crop Management:

- To control the root and stem rot diseases in french bean and lobia, carbendazim @ 500g/ha should be used.
- Harvesting and threshing of wheat and pulse crops should be done.
- Deep ploughing of fields should be done for sowing paddy crop after threshing of wheat and bunding should be done.
- For maximum utilization of fodder crop nitrogen should be applied after irrigation in the fodder crops.
- Deep ploughing of fallow field and bunding of the area should be done so that insect pest disease could be destroyed and water would be conserved.
- In plains, to control the weed in the spring season sugarcane crop Velpar K-4 @ 2Kg/800lit of

water at 2-3 leaf stage within 2-3 days of sowing or at 15-20 days should be sprayed.

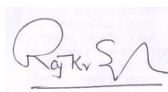
- Irrigation should be given after weeding and hoeing in the sugarcane crop and nitrogen should also be applied.
- In spring season sugarcane crop, field should be irrigated after one week of hoeing at the tillering stage and solution of metribuzin / atrazine @ 2Kg/1000 liter of water should be sprayed.
- Necessary irrigation should be applied in the field of winter season sugarcane crop. Remaining 1/3rd dose of nitrogen should be given and weed control should be done.

Horticultural Management:

- On the occurrence of spot on the leaves of tomato and chilly, Mancozeb @ 2.5g/liter of water should be sprayed.
- Transplanting of capsicum and brinjal should be done in the polyhouse in mid and high hills and required irrigation should be applied.
- If onion and garlic crops are ready and leaves are falling on the surface then irrigation should be stopped and digging should be done in the upcoming 15-20 days.
- If seedlings of tomato, brinjal and capsicum are transplanted one month prior then top dressing of Urea should be done and moisture conservation should also be done.
- Plucking of pea should be done in the mid hilly regions.
- To control the leaf blight disease in onion, tebuconazole or difinoconazole or propiconazole @ 500ml/ha with any sarvangi insecticide and sticker should be sprayed.
- Apply soil after top dressing of urea in potato crop and necessary irrigation should be given.
- To control the viral borne disease in chilly and tomato crop, infected plants should be removed and destroyed.
- On the occurrence of contracted piebald leaves in chilly and tomato, infected plants should be removed and destroyed. To control the juice sucking insect in these crops, sarvangi insecticide should be sprayed. To save the crop from late blight disease, it is advised that solution of Mancozeb @ 2.5g/liter or copper oxichloride @ 3g/lit of water should be sprayed.

Animal Husbandry:

- In the summer season, time to time spraying of melathiyani or other insecticide should be done in the drains near the animal shed.
- Temperature of animal shed should be maintained using cooling devices such as fan, cooler or latest cooling device to maintain the productivity of foreign cows and save them from diseases.
- When animal is affected by sun stroke then contact the veterinarian immediately for their remedy.
- Neat, fresh and cold water should be given to the animals three times in a day. Availability of sufficient moisture in the body of animals maintains the balance between the temperature of their skin and environment which save the animals from the effect of loo (summer wind).
- To save the animals from high temperature, balanced diet should be given to them. Green fodder mixed with dry fodder and grain must be given to the animals.
- Buffalo should be kept in the animal shed from 9 AM to 6 PM, to save them from sun.



Dr. R K Singh

Professor & Principal Nodal Officer-GKMS

AMFU- Pantnagar