

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 Udham Singh Nagar and plain area of Nainital districts are as follows:

Parameter	Udham Singh Nagar				
	28/02/2018	01/03/2018	02/03/2018	03/03/2018	04/03/2018
Rainfall (mm)	0	0	0	0	0
Max Temp (⁰ C)	28	28	26	25	26
Min Temp (⁰ C)	11	11	10	10	9
Cloud Cover	Cloudy	Cloudy	Dense Cloudy	Dense Cloudy	Cloudy
Max RH I (%)	85	85	90	95	85
Min RH II (%)	40	40	45	50	40
Wind speed (km/h)	008	008	006	006	006
Wind direction	NW	NW	NW	NNW	NNW

According to Meteorological observations recorded at Agrometeorological Observatory, AMFU-Pantnagar, G B Pant University of Agriculture & Technology (Altitude: 243.8 m) during last seven days (20 – 26 February, 2018) are as follows:

Weather Parameter	Udham Singh Nagar						
	20/02/2018	21/02/2018	22/02/2018	23/02/2018	24/02/2018	25/02/2018	26/02/2018
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Temp (⁰ C)	26.0	25.6	26.5	27.5	29.0	27.9	29.0
Min Temp (⁰ C)	8.5	11.0	12.1	11.4	13.7	15.9	12.3
CC I CC II	Cloudy	Cloudy	Clear	Cloudy	Dense Cloudy	Cloudy	Overcast
	Clear	Clear	P-Cloudy	Cloudy	Dense Cloudy	P-Cloudy	Overcast
Max RH I (%)	95	95	93	95	76	78	91
Min RH II (%)	49	55	48	51	60	50	58
Wind speed (km/h)	3.0	2.8	1.8	2.4	3.3	4.4	5.9
Wind direction I	Calm	Calm	Calm	Calm	N	N	WNW
Wind Direction II	ESE	SSW	W	SSW	ESE	WSW	WSW

Weather Based Agro-Advisories

Crop Management:

- Sowing of urd should be completed up to first fortnight of March. Urd varieties like Narendra, Pant Urd 31, Pant Urd 35 should be used.
- On the occurrence of brown color, circular ring shape spot in the mustard class crop, mancozeb @ 1.5-2.0 kg/lit should be sprayed.
- Sowing of spring season sugarcane crop should be completed up to 15th March.
- Upper 2/3 part of sugarcane should be used for sugarcane seed. 40-50 thousand pieces of three eyed sugarcane should be used. Line should be prepared at a distance of 75cm in East-West direction for sowing sugarcane crop.
- Sugarcane seed treatment should be done in the solution of 1 g Carbendazim /liter of water for 10-15 minutes. Nitrogen, phosphorous and potash should be used in the ratio of 120:60:40.
- 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.
- On the occurrence of yellow gerui in wheat crop, Propiconazole 25 EC (or tilt) @ 500ml/Ha in 500 liter of water should be sprayed.

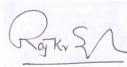
Horticultural Management:

- If Mango mealy bug appeared in the mango trees then cut and separate it and put it in the pit, cover with soil.
- Gumba baur or Mango mal formation and leaves which are highly affected by powdery mildew in last year should be destroyed by plucking.
- Polythene strips used to save mango from Mango mealy bug (or kri keet or Gujiya) should be cleaned with the help of clean cloth.
- On the occurrence of powdery mildew in mango, first spray of 0.2% wettable sulfur (2g/liter) should be done.
- Cleanliness of orchard should be done in the February month & straw used to save the crop from frost should be removed in the last week of this month.
- To control the mango hopper (Bhunga) insect in fruit trees, first spray should be given at panicle initiation with Imidacloprid 17.8 SL @ 0.03 ml/lit. Second spray at pea stage with thiamethoxam @ 0.32 g/lit and third spray need based at 21 days after second spray with NSKE 5% @ 5ml/lit.
- Field preparation should be done for sowing bottle gourd (lauki), bitter gourd (Karela), ridged gourd (Torai) and pumpkin (Kashiphal) crop.
- 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.
- To control the late blight disease in potato and tomato, it is advised that solution of Mancozeb @ 2.5g/liter or copper oxichloride @ 3g/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.

- Top dressing of Urea should be done in Cabbage and Cauliflower crop after weeding and hoeing and moisture should be maintained in the field.

Animal Husbandry:

- All new-born animals should be dewormed.
- Lambs/kids should be vaccinated against PPR.
- To prevent mastitis in dairy cattle, they should be milked completely.
- Fodder crop of alfalfa and barseem clover as well as oats should be irrigated every 12-14 and 18-20 days respectively.
- Barseem clover and alfalfa should be dried and stored as dry fodder or converted into silage for use during times of low or no green fodder availability.
- To save the animals from cold, proper arrangement of animal shed should be done. To save the animal from cold, dry grasses, paddy residue (Puwal) etc which are not used as fodder for animals should be used as a bedding material for animals in sheds. Door and window should be covered properly so that cold wind could not be entered in the animal shed.
- 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.
- To save the animal from cold, increase the amount of oil and Jaggery (Gur) in the food of animals. Caraway (Ajwain) and gur also be given to the 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