

# ग्रामोभ्युदयादेव देशोभ्युदयः

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## Gramin Krishi Mausam Sewa Bulletin, District - Udham Singh Nagar

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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				
	02/03/2018	03/03/2018	04/03/2018	05/03/2018	06/03/2018
Rainfall (mm)	0	0	0	3	0
Max Temp ( <sup>0</sup> C)	28	28	27	25	26
Min Temp ( <sup>0</sup> C)	11	12	13	12	10
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 Meteorological observations recorded at Agrometeorological Observatory, AMFU-Pantnagar, G B Pant University of Agriculture & Technology (Altitude: 243.8 m) during last seven days (22 – 28 February, 2018) are as follows:

Weather Parameter	Udham Singh Nagar						
	22/02/2018	23/02/2018	24/02/2018	25/02/2018	26/02/2018	27/02/2018	28/02/2018
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Temp ( <sup>0</sup> C)	26.5	27.5	29.0	27.9	29.0	26.0	28.5
Min Temp ( <sup>0</sup> C)	12.1	11.4	13.7	15.9	12.3	11.3	11.8
CC I CC II	Clear	Cloudy	Dense Cloudy	Cloudy	Overcast	Cloudy	Cloudy
	P-Cloudy	Cloudy	Dense Cloudy	Cloudy	Overcast	Clear	Cloudy
Max RH I (%)	93	95	76	78	91	95	88
Min RH II (%)	48	51	60	50	58	54	55
Wind speed (km/h)	1.8	2.4	3.3	4.4	5.9	7.1	4.0
Wind direction I	Calm	Calm	N	N	WNW	WNW	WNW
Wind Direction II	W	SSW	ESE	WSW	WSW	WSW	WNW

## Weather Based Agro-Advisories

### Crop Management:

- Transplanting of mint should be done in this month. 40-50 days plants of menthe should be transplanted at 15-20 cm distances in the lines at 40 cm distance.
- Harvesting of gram and lentil should be done when leaves of these crops are falling after turning yellow. Harvesting should be done in the morning hours. Proper storage of both the crops should be done after drying in the sun.
- 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 15<sup>th</sup> 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.

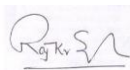
### Horticultural Management:

- 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:

- 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.
- 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.



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