

# 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				
	21/02/2018	22/02/2018	23/02/2018	24/02/2018	25/02/2018
Rainfall (mm)	0	0	0	0	7
Max Temp ( <sup>0</sup> C)	26	27	27	26	22
Min Temp ( <sup>0</sup> C)	8	8	8	10	8
Cloud Cover	P-Cloudy	Cloudy	P-Cloudy	Cloudy	Dense Cloudy
Max RH I (%)	80	85	85	85	90
Min RH II (%)	40	40	40	45	45
Wind speed (km/h)	006	006	006	008	008
Wind direction	WNW	W	WSW	E	ESE

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 (13 – 19 February, 2018) are as follows:

Weather Parameter	Udham Singh Nagar						
	13/02/2018	14/02/2018	15/02/2018	16/02/2018	17/02/2018	18/02/2018	19/02/2018
Rainfall (mm)	3.8	0.0	0.0	0.0	0.0	0.0	0.0
Max Temp ( <sup>0</sup> C)	17.5	24.2	22.5	23.0	24.2	23.5	25.5
Min Temp ( <sup>0</sup> C)	9.4	8.4	7.5	8.4	8.6	8.4	7.8
CC I	Overcast	Obscured	Cloudy	Clear	Obscured	Dense Cloudy	Cloudy
CC II	Cloudy	Clear	P-Cloudy	Clear	Clear	P-Cloudy	Clear
Max RH I (%)	97	97	94	94	95	94	94
Min RH II (%)	66	56	64	60	56	51	43
Wind speed (km/h)	7.4	4.7	6.6	3.9	3.9	3.2	3.2
Wind direction I	Calm	WSW	Calm	Calm	N	Calm	N
Wind Direction II	WNW	WSW	WSW	WNW	W	WSW	W

## Weather Based Agro-Advisories

### Crop Management:

- 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.
- Light irrigation should be arranged in Gram crop before flowering. Don't irrigate at flowering stage otherwise production would be reduced.
- Foliar spray of 2% Urea should be done at flowering stage of gram and lentil crops and second spray should be given after 10-15 days from first one.
- To control the fruit borer insects in gram, pea and lentil, Monocrotophos 36 SL @ 1liter/Ha in 500-600 liter of water should be sprayed. Second spray of Indoxacarb 15.8 EC @ 400-500 ml/Ha in 500-600 liter of water should be sprayed after 10-12 days after first spray.
- 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.
- Sunflower varieties like Mordan, Surya should be sown in second fortnight of February.
- Sankul variety of maize like Naveen, Shweta, Navjot, Kanchan, Surya, Gaurav, Sweet corn: Madhuri and hybrid maize variety Ganga-11 should be sown in second fortnight of February.
- 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.

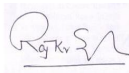
### Horticultural Management:

- To control the bhunga insect, bunch disease of blossom and powdery mildew in mango, solution of 1.25 ml agromonark or nuvacron, 1 gram Potassium metabisulfite and 2 gram sulfex/ liter of water should be sprayed in the tree.
- 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.
- 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:**

- 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.
- 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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