

# 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				
	17/02/2018	18/02/2018	19/02/2018	20/02/2018	21/02/2018
Rainfall (mm)	0	0	0	0	0
Max Temp ( <sup>0</sup> C)	24	24	25	25	25
Min Temp ( <sup>0</sup> C)	6	6	6	7	8
Cloud Cover	P-Cloudy	P-Cloudy	P-Cloudy	P-Cloudy	P-Cloudy
Max RH I (%)	85	85	85	85	85
Min RH II (%)	45	40	40	40	40
Wind speed (km/h)	006	006	006	006	008
Wind direction	NW	NW	NW	WNW	NW

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 (9 – 15 February, 2018) are as follows:

Weather Parameter	Udham Singh Nagar						
	09/02/2018	10/02/2018	11/02/2018	12/02/2018	13/02/2018	14/02/2018	15/02/2018
Rainfall (mm)	0.0	0.0	0.0	0.2	3.8	0.0	0.0
Max Temp ( <sup>0</sup> C)	23.8	23.6	24.5	24.3	17.5	24.2	24.5
Min Temp ( <sup>0</sup> C)	4.3	2.5	5.9	13.6	9.4	8.4	7.5
CC I	Cloudy	Clear	P-Cloudy	Cloudy	P-Cloudy	Cloudy	P-Cloudy
CC II	Clear	Clear	Clear	Clear	Clear	Clear	P-Cloudy
Max RH I (%)	97	93	97	78	97	97	94
Min RH II (%)	35	35	63	72	66	56	64
Wind speed (km/h)	4.4	6.4	4.8	7.6	7.4	4.7	6.6
Wind direction I	WNW	Calm	Calm	ESE	Calm	WSW	Calm
Wind Direction II	WSW	WNW	ESE	ENE	WNW	WSW	WSW

## 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.
- Irrigation should be arranged as per requirement in rai and mustard crop at grain filling stage of these crops.
- On the occurrence of Mahu, thiamethoxam 25 WSG @ 100ml/ha or Methyl-O-demeton 25 EC @ 1liter/ha in 800 liter of water should be sprayed.
- At the time of flowering, boxes of bee @ 2-3 box/Ha should be kept for 1 month so that pollination should be increased up to 10-15%.
- 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.
- Harvesting of Naulakh sugarcane crop should not be done before 15<sup>th</sup> February.
- Sowing of Mentha can be done up to 15-20 February. Seedlings of progressive varieties like-Koshi, Saksham, Kushal, Himalaya, Sarayu and Sugandh can be obtained from Pantnagar unit. 400-500 Kg roots/Ha should be required. Roots should be cut in 5-7cm pieces with 3-4 knots in each piece. Then it should be treated with 2g Carbendazim/liter of water for 5 minutes. After treatment keep the pieces in the shed for half an hour and thereafter sowing should be done.
- On the occurrence of fruit borer in gram and lentil crop at the time of flowering, Melathiyam 50EC @ 2.0 liter/Ha or Quinalphos 25 EC @ 1.5 liter/Ha in 500-600 liter of water should be sprayed.
- Solution of 2 % Urea should be given at the time of flowering in gram and lentil. Second irrigation should be given after 10-15 days of first irrigation.600-700 liter of water/ Ha should be used.

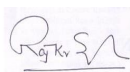
### Horticultural Management:

- 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.
- Compost should be used as nutrients for Cucumber class crop.

- On the occurrence of yellow rashes on the leaves of pea, solution of propiconazole @ 1ml/lit should be sprayed.
- 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:**

- Maintain the temperature of dwelling place of poultry birds. To save the poultry bird from cold, thickness of bedding material should be increases so that they can get sufficient heat to maintain their temperature.
- 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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