

# 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				
	08/03/2016	09/03/2017	10/03/2017	11/03/2017	12/03/2017
Rainfall (mm)	0	2	8	15	15
Max Temp ( <sup>0</sup> C)	28	28	26	24	23
Min Temp ( <sup>0</sup> C)	07	08	08	07	06
Cloud Cover	Cloudy	Cloudy	Cloudy	Dense Cloud	Dense Cloud
Max RH I (%)	85	85	90	95	95
Min RH II (%)	40	45	45	50	50
Wind speed (km/h)	08	08	12	12	08
Wind direction	E	E	ESE	ESE	ESE

**Light to moderate rain with dense cloud and hailstorm may likely to occur at isolated places during 9 to 12<sup>th</sup> March in U S Nagar district.**

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 (28 Feb to 06 March 2017) are as follows:

Weather Parameter	Udham Singh Nagar						
	28/02/2017	01/03/2017	02/03/2017	03/03/2017	04/03/2017	05/03/2017	06/03/2017
Rainfall (mm)	0.0	0.8	0.0	0.0	0.0	0.0	0.0
Max Temp ( <sup>0</sup> C)	27.0	27.5	31.0	28.3	27.5	26.9	27.0
Min Temp ( <sup>0</sup> C)	7.3	12.0	12.9	10.0	8.4	8.2	6.3
CC I CC II	P-Cloudy	Overcast	Dense Cloud	Clear	P-Cloudy	Clear	Clear
	Cloudy	Dense Cloud	Cloudy	Cloudy	Clear	Clear	Clear
Max RH I (%)	92	91	80	77	87	87	94
Min RH II (%)	41	33	45	29	33	39	41
Wind speed (km/h)	3.6	5.1	4.9	3.8	5.8	2.7	5.5
Wind direction I	Calm	WSW	N	N	WNW	N	Calm
Wind Direction II	WSW	WSW	WSW	WSW	WNW	WNW	WSW

## Weather Based Agro-Advisories

### Crop Management:

- To control the blight disease in gram and lentil, Mancozeb 75% WP @ 2.5g/lit should be sprayed.
- On the occurrence of powdery mildew disease in wheat crop, solution of Propiconazole 25EC @ 1ml/liter of water should be sprayed.
- Sowing of Urd crop should be completed up to first fortnight of March. Improved varieties of Urd like Narendra Urd-1, Pant Urd 31, Pant Urd 35 should be used.
- Foliar spray of 2% Urea should be done at flowering stage of gram and lentil crop and second spray should be given after 10-15 days of first one.
- 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.
- To control the fruit borer in gram crop, solution of 125 ml of Chlorantraniliprole 18.5 SC or 220 g of Emamectin benzoate 5SG or 750 ml of Novaluron 10 EC or 500 ml of Lembdacyhalothrin 5EC in 500 liter of water should be sprayed @ per hectare.
- On the occurrence of Mahu insect in the wheat crop, Thyomethakzam 25WSG @50g/Ha or Quinolphos 25 EC @1liter/Ha should be sprayed.
- On the occurrence of Mahu in the mustard crop, Thiamethoxam 25 WSG @ 50-100g/Ha should be sprayed and its waiting period is 21 days.

### Horticultural Management:

- If the upper part of the Onion and Garlic leaf turns yellow then to control it, solution of Difenoconazole @ 1ml/liter + Fipronil 5% SC @ 1lit/Ha and Sticker @ 0.5 ml/lit should be sprayed.
- On the occurrence of fruit borer in the Tomato, fruit should be used only after 3 days and 5 days of spraying of Chlorantraniliprole 18.5 SC @ 150ml/Ha and Indoxacarb 14.5 SC @ 500ml/Ha respectively.
- On the attack of White fly in tomtto, Cyantraniliprole 10.26 OD @ 900ml/Ha or Thiamethoxam 25 WSG @ 200g/Ha should be applied and fruit should be used after 5days of spraying.
- To control the stem and fruit borer in brinjal, spraying of Emamectin benzoate 5SG @ 200g/Ha, Cypermethrin 25EC @200ml/Ha, Lambda cyhalothrin 5CS @ 300ml/Ha should be done and fruit should be used after 5 days of last spraying of chaemicals.
- To save the chilly from Thrips, Lambda cyhalothrin 5EC @300ml/Ha or Fipronil 5SC @ 1Liter/Ha should be sprayed and chilly is used after 7 days of spraying of chemicals.
- To control the Mite in chilly, diafenthuron 50WP @ 600g/Ha or Lambda cyhalothrin 5EC @ 300ml/Ha should be sprayed and in this case fruit may be used after 5 days of spraying.
- In onion crop, to control the Thrips Lambda cyhalothrin 5EC @ 300ml/Ha and to control Purpil Blotch difenoconazole 25 EC @ 0.1% or Kitazin 48EC @ 0.2% should be sprayed. Onion crop should be used after 5 and 20 days of spraying of cyhalothrin 5EC for thrips & difenoconazole 25 EC for Purpil Blotch respectively.
- To control the mango hopper (Bhunga) insect in fruit trees, first spray should be given at panicle initiation with Imidacloprid 17.8SL @ 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.

### Animal Husbandry:

- For obtaining the high production from poultry birds, temperature of their dwelling place should be maintained. Balanced diet, fresh and neat water should be given to them.
- 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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