

# 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				
	29/04/2017	30/04/2017	01/05/2017	02/05/2017	03/05/2017
Rainfall (mm)	0	5	5	0	0
Max Temp ( <sup>0</sup> C)	36	36	35	36	37
Min Temp ( <sup>0</sup> C)	18	19	18	18	19
Cloud Cover	P-Cloudy	Dense Cloud	Dense Cloud	Cloudy	P-Cloudy
Max RH I (%)	85	90	90	85	80
Min RH II (%)	40	45	45	40	40
Wind speed (km/h)	08	10	10	08	08
Wind direction	NE	ESE	ESE	NNW	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 (21 to 27 April, 2017) are as follows:

Weather Parameter	Udham Singh Nagar						
	21/04/2017	22/04/2017	23/04/2017	24/04/2017	25/04/2017	26/04/2017	27/04/2017
Rainfall (mm)	0.0	0.0	3.0	0.0	0.0	0.0	0.0
Max Temp ( <sup>0</sup> C)	37.0	35.5	35.1	36.7	38.6	38.5	37.6
Min Temp ( <sup>0</sup> C)	26.0	26.5	22.9	21.8	19.0	22.5	19.5
CC I	P-Cloudy	Dense Cloud	Cloudy	Clear	Clear	Cloudy	Clear
CC II	Clear	Cloudy	Clear	Clear	Clear	Cloudy	Cloudy
Max RH I (%)	57	65	73	65	70	55	63
Min RH II (%)	42	42	42	22	21	22	18
Wind speed (km/h)	12.4	7.8	5.1	6.6	7.3	13.4	8.7
Wind direction I	ESE	ESE	ENE	WNW	WNW	WNW	Clear
Wind Direction II	ESE	WNW	SSW	WNW	WNW	WSW	WNW

Weather Based Agro-Advisories

### **Crop Management:**

- Harvesting and threshing of wheat and pulse crops should be done.
- For late sowing of sugarcane crop after harvesting of wheat, should be completed in this month. Upper 1/3<sup>rd</sup> to 1/2<sup>nd</sup> part of sugarcane should be used as seed for sowing. Seeds should be kept in water for 24 hr before seed treatment because it increases the germination. For seed treatment, solution of 1gram Carbendazim 50% in 1 liter of water should be used.
- Late sowing varieties of sugarcane like CoS88230, CoS95255, CoS595222, CoS97264, Co Pant84212 etc should be used. Balanced fertilizer 100-120; 60:40 NPK/ha should be used and 60Kg N, 60 Kg P<sub>2</sub>O<sub>5</sub> & 40 Kg K<sub>2</sub>O/ha should be used.
- 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 Lambda cyhalothrin 5EC in 500 liter of water should be sprayed @ per hectare.

### **Horticultural Management:**

- On the occurrence of yellow spot of irregular shape on cucurbitaceous crops, leaves should be examined by turning and if there is a growth of light gray fungus in the lower portion of leaves then it should be controlled by spraying the solution of Mancozeb @ 2.5 Kg/ Liter.
- If the veins of leaves of okra crop are turning yellow, then destroy the plants and Sarvangi insecticide should be sprayed to control the juice sucking insects.
- To control the powdery mildew in mango, solution of 0.1 % carbendazim should be sprayed.
- On the occurrence of mottled spot disease or folding of leaves in Cucurbitaceous (pumpkin class vegetables), it is advised that these plants should be separated and destroyed. Sarvangi insecticide should be used on the occurrence of juice sucking insect.
- On the occurrence of fine mottled spot in upper leaves of chilly and tomato, Sarvangi insecticide at 10-15 days interval 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.
- 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 chemicals.
- Branches of mango, affected by guccha/ gumba rog or mango malformation should be cut. Care should be done of grafting plants. On the occurrence of bhunga insect, Imidachloprid @ 3ml/10liter should be sprayed. To control the black tip or internal tissue degradation, borex (0.8-1.0 %) should be sprayed.
- Irrigation should be done in the fruiting orchard and remaining half dose of nitrogen should be applied.

### **Animal Husbandry:**

- In the summer season, time to time spraying of melathiyani or other insecticide should be done in the drains near the animal shed.
- Temperature of animal shed should be maintained using cooling devices such as fan, cooler or latest cooling device to maintain the productivity of foreign cows and save them from diseases.
- When animal is affected by sun stroke then contact the veterinarian immediately for their remedy.
- Neat, fresh and cold water should be given to the animals three times in a day. Availability of sufficient moisture in the body of animals maintains the balance between the temperature of their skin and environment which save the animals from the effect of loo (summer wind).
- To save the animals from high temperature, balanced diet should be given to them. Green fodder mixed with dry fodder and grain must be given to the animals.

- Buffalo should be kept in the animal shed from 9 AM to 6 PM, to save them from sun.

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