

# ग्रामोभ्युदयादेव देशोभ्युदयः

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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				
	17/05/2017	18/05/2017	19/05/2017	20/05/2017	21/05/2017
Rainfall (mm)	0	5	0	0	5
Max Temp ( <sup>0</sup> C)	40	38	38	38	36
Min Temp ( <sup>0</sup> C)	23	22	22	22	22
Cloud Cover	Cloudy	Dense Cloud	Cloudy	Cloudy	Dense Cloud
Max RH I (%)	85	90	90	90	90
Min RH II (%)	45	55	55	45	50
Wind speed (km/h)	08	10	08	08	12
Wind direction	SE	SE	NNW	NNW	SE

**Light rain may likely to occur on 18<sup>th</sup> & 21<sup>st</sup> May with medium to dense cloud.**

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 (09 to 15 May, 2017) are as follows:

Weather Parameter	Udham Singh Nagar						
	09/05/2017	10/05/2017	11/05/2017	12/05/2017	13/05/2017	14/05/2017	15/05/2017
Rainfall (mm)	6.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Temp ( <sup>0</sup> C)	37.5	35.5	35.6	37.0	37.4	39.0	40.5
Min Temp ( <sup>0</sup> C)	21.2	24.5	23.0	25.0	24.5	24.6	23.6
CC I	Cloudy	Cloudy	Clear	P-Cloudy	Clear	Cloudy	Cloudy
CC II	P-Cloudy	Clear	Clear	Clear	P-Cloudy	Cloudy	P-Cloudy
Max RH I (%)	86	63	62	64	53	72	60
Min RH II (%)	38	36	38	48	35	33	28
Wind speed (km/h)	9.7	10.7	9.2	5.6	7.4	6.9	9.1
Wind direction I	Calm	ESE	ENE	ESE	Calm	ESE	ESE
Wind Direction II	ESE	ESE	WSW	ESE	WNW	WNW	WSW

## Weather Based Agro-Advisories

### Crop Management:

- Necessary irrigation should be applied in Urd, Moong and cowpea (lobia) crops. After plucking of pods turn these crops in the field so that they can be utilized as green manure.
- Irrigation should be given in the sugarcane crop at an interval of 7-10 days.
- On the occurrence of black bug in sugarcane crop, phenthoate 50EC @ 1 liter/ha or 750 ml of monocrotophos 36 SL or 2liter of quinalphos 25 EC in 500liter of water should be sprayed.
- Bunding and summer ploughing of the field should be done in this month.
- If irrigation facility is available then sowing of dhaincha and sanai should be done after harvesting of wheat and other rabi crops for green manure.
- Progressive variety of sanai like Narendra sanai-1 and dhaincha variety like pant dhaincha-1, hisar dhaincha-1 etc should be selected. Seed rate for sanai should be 80-90 kg/ha and for dhaincha 60-80 kg/ha.

### Horticultural Management:

- Necessary irrigation should be applied to maintain the proper moisture condition in the orchard.
- If the leaves of french bean and cowpea (lobia) shrink then sarvangi insecticide should be sprayed.
- Light irrigation should be given in the tomato and onion crop.
- Irrigation should be stopped in the onion crop having matured cloves, transplanted near 15-20 January.
- Stop the irrigation in the garlic crop. Collect the matured clove and keep them in the shed. Make the small bundle of these cloves and store in dry place with good ventilation.
- To save the chilly from Anthracnose disease (or ruchh rog), solution of copper oxi chloride @ 0.25% should be sprayed 2-3 times.
- To save the Okra from fruit borer insect, Sevin (Carbolic) @ 0.2 % should be sprayed.
- 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.
- 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 chaemicals.

### 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.

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