

# 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				
	31/05/2017	01/06/2017	02/06/2017	03/06/2017	04/06/2017
Rainfall (mm)	3	3	0	0	0
Max Temp ( <sup>0</sup> C)	34	35	36	37	38
Min Temp ( <sup>0</sup> C)	23	23	23	24	24
Cloud Cover	Cloudy	Cloudy	P-Cloudy	P-Cloudy	P-Cloudy
Max RH I (%)	85	85	80	80	80
Min RH II (%)	45	45	40	40	40
Wind speed (km/h)	08	08	06	08	12
Wind direction	SE	SE	ESE	NW	NW

**Light rain may likely to occur on 31<sup>st</sup> May & 1<sup>st</sup> June 2017 with partly to clouded sky.**

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 (23 to 29 May, 2017) are as follows:

Weather Parameter	Udham Singh Nagar						
	23/05/2017	24/05/2017	25/05/2017	26/05/2017	27/05/2017	28/05/2017	29/05/2017
Rainfall (mm)	0.0	0.0	0.0	1.4	2.2	Trace	0.4
Max Temp ( <sup>0</sup> C)	37.5	39.0	39.5	40.5	38.0	33.0	35.6
Min Temp ( <sup>0</sup> C)	22.8	22.1	23.5	24.4	23.5	26.0	21.5
CC I CC II	P-Cloudy	Cloudy	Dense Cloud	Dense Cloud	Cloudy	Overcast	Dense Cloud
	P-Cloudy	Cloudy	Cloudy	Cloudy	Dense Cloud	Dense Cloud	Dense Cloud
Max RH I (%)	74	67	49	68	69	64	69
Min RH II (%)	29	31	26	37	60	49	53
Wind speed (km/h)	9.3	3.9	4.1	6.2	10.5	13.3	12.2
Wind direction I	WNW	ESE	ENE	N	ESE	ESE	ENE
Wind Direction II	WSW	WSW	WSW	ESE	ESE	ESE	ENE

## Weather Based Agro-Advisories

### Crop Management:

- Nursery of paddy should be prepared.
- Preparation of nursery for mid duration variety of paddy like - Narendra-359, Pant dhan-18, HKR-147, PR-113 etc should be done up to 10<sup>th</sup> June.
- Certified seeds or self produced healthy seeds should be used for nursery of paddy only after treatment.
- Seed rate for transplanting nursery should be 30, 35 and 40kg/hac for thin, moderate thick and thick variety of paddy respectively.
- Soil sample should be taken from the field after harvesting of rabi crops for soil testing.
- Irrigation and hoeing should be done in spring season sugarcane or sugarcane sown after harvesting of wheat. If top dressing of urea is not done earlier, then it should be done after irrigation.
- In ratoon sugarcane crop, more than 25% urea should be applied as top dressing. Application of all doses of Nitrogen in sugarcane crop should be completed till the end of the June.
- On the occurrence of black bug in sugarcane crop, Chlorpyrifos 20 EC @ 2liter/Ha or phenthoate 50EC @ 1 liter/ha or 2 liter of quinalphos 25 EC in 500 liter of water should be sprayed.

### Horticultural Management:

- If the leaves of french bean and cowpea (lobia) shrink then sarvangi insecticide 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:

- On the occurrence of nitrate toxicity in the food of animals, respiration and pulse rate of animals increases and they feel weakness and stiffness in their muscles. Give the 50-100 ml dose of 1% Methylene blue direct in the veins of animals if their food is affected by nitrogen toxicity.
- If animal has consumed the cyanide affected fodder then water should not be given to them. Animals should be kept away from grazing the less grown jawar, bajara and fodder in pasture.
- Small shrival/fade yellow stiff plants should not be used as fodder for animals to save them from cyanide.
- 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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