

# ग्रामोभ्युदयादेव देशोभ्युदयः

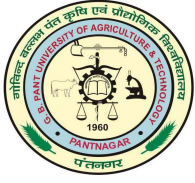
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## Gramin Krishi Mausam Sewa Bulletin, District - Udham Singh Nagar

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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 district are as follows:

Parameter	Udham Singh Nagar				
	06/10/2018	07/10/2018	08/10/2018	09/10/2018	10/10/2018
Rainfall (mm)	0	0	0	0	0
Max Temp ( <sup>0</sup> C)	34	33	33	33	34
Min Temp ( <sup>0</sup> C)	18	17	17	17	19
Cloud Cover	P-Cloudy	P-Cloudy	Clear	Clear	P-Cloudy
Max RH I (%)	85	80	75	70	75
Min RH II (%)	40	40	35	35	40
Wind speed (km/h)	004	004	004	006	004
Wind direction	NW	WNW	WNW	WNW	WNW

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 Sept – 4 Oct, 2018) are as follows:

Weather Parameter	Udham Singh Nagar						
	28/09/2018	29/09/2018	30/09/2018	01/10/2018	02/10/2018	03/10/2018	04/10/2018
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Temp ( <sup>0</sup> C)	32.0	33.0	33.1	31.5	32.0	32.3	33.0
Min Temp ( <sup>0</sup> C)	23.0	21.9	20.3	19.9	18.2	19.9	18.2
CC I	3	0	3	0	0	0	0
CC II	4	6	0	5	0	0	0
Max RH I (%)	93	91	91	94	92	86	75
Min RH II (%)	70	57	60	67	63	61	50
Wind speed (km/h)	5.0	3.1	5.0	6.1	4.9	4.3	4.5
Wind direction I	Calm	Calm	Calm	Calm	Calm	Calm	Calm
Wind Direction II	W	WNW	WNW	WSW	WNW	WNW	WSW

## Weather Based Agro-Advisories

### Crop Management:

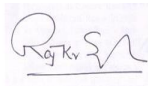
- Rai and Mustard (toria) should be sown in first fortnight of October.
- For sowing of Rai and Mustard crop, Varieties of Rai like- Varuna, Rohini, Krishna, Kanti, Vardan, Vaibhav, Basanti, Narendra, Early rai-4, Urvashi and varieties of Yellow Mustard like- Ragini, Binoy (B-9), Pant peeli Sarso-1 should be selected.
- If the cover of corn turn yellow in the Maize then picking of corn should be done. After picking of corn, green plants of Maize should be used as a fodder for animals.
- In winter season variety of Sugarcane crop, sowing of should be completed up to 15 October.
- If the Mustard crop didn't sow in the September month, then sowing should be completed till first week of October.
- Harvesting of early and mid season variety of Paddy should be done on the appearance of golden color of panicle in Paddy.
- Irrigation should be stopped before 10-15 days of harvesting of paddy. For this, moisture level in the grains reaches up to 20% and 10-15cm irrigation should be saved.
- On the occurrence of termite in standing maize crop, mix chlorpyrifos 20 EC @ 5 lit/ha with 25-30 kg dry sand and spread in the evening in proper moisture condition.
- To control the leaf blight disease in maize crop, mancozeb @ 2.5g/lit of water should be sprayed.
- To control the leaf sheath in maize crop, lower leaves should be removed and solution of propiconazole @ 1ml/lit of water should be sprayed.

### Horticultural Management:

- Transplanting of late variety of Cauliflower can also be done up to the second and third week of this month. 150 Kg N, 80 Kg P, 60 Kg K doses of fertilizers are required. From these doses, half dose of Nitrogen and full dose of Phosphorous should be applied at the time of final ploughing and the remaining dose of Nitrogen should be given at 30-35 days and 60-65 days after transplanting of plants.
- If the fruits of early variety of Cauliflower were ready in the fields then send them to the market and top dressing of Urea should be given in the mid variety of Cauliflower sown in the last month. Arrangements of weeding, hoeing and irrigation should be done.
- If there is an occurrence of leaf sucking insects (Mahu & White Fly), solution of 0.1% concentration of Metasystox or Imidachorpid should be sprayed and Sandovit or powder of soap should be mixed in the solution.
- Tomato seed should be sown in the Nursery for winter season. For common and hybrid varieties of Tomato seed rate should be 500g/Ha and 200-250 g/ha respectively.
- To control the root and stem joint rot disease in tomato and chilly, irrigate the roots of the crops with the solution of trichoderma @ 10 g/lit or carbendazim @1 g/lit of water.
- On the occurrence of branch knot in the Orchard, Quinalphos @ 2ml/liter should be used.
- Clearing and ploughing of orchard should be done.
- For proper fruiting in Mango, use Paclobutrazol. Apply 1ml Active Ingradient (AI) /meter of canopy.
- Continue the transplanting of plant in the orchards.

## **Animal Husbandry:**

- Just after delivery, tie the navel of new born baby of cattle by cutting it with sharp and clean knife, then apply Gentian violet paint or tincture iodine.
- In green fodder, leguminous fodder is best diet for animals and to increase production. So it is advised that cattleman should grow leguminous fodder (berseem) to keep their cattle healthy and to obtain maximum production from them.
- In this month, rate of animal's delivery especially in buffalos increases. The Pregnant animals should be separated from other animals if possible and complete diet in little quantity at many times in a day should be given to them otherwise they can be affected by afra (fatty liver).
- Within 2 hours of animal's delivery, little quantity of colostrums should be given to the new born baby of cattle after their proper cleaning.
- Green fodder should be given in less quantity to the animals. It is advised that green fodder can be given to the animals by mixing it in dry fodder.
- Vaccination of FMD (Foot and Mouth Disease) should be given to the animals.



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