

# 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				
	27/10/2018	28/10/2018	29/10/2018	30/10/2018	31/10/2018
Rainfall (mm)	0	0	0	0	0
Max Temp ( <sup>0</sup> C)	30	29	29	29	30
Min Temp ( <sup>0</sup> C)	12	11	11	10	10
Cloud Cover	Cloudy	Cloudy	P-Cloudy	P-Cloudy	P-Cloudy
Max RH I (%)	85	85	80	75	75
Min RH II (%)	45	45	40	35	35
Wind speed (km/h)	004	004	004	004	004
Wind direction	NW	NW	NNW	NNW	SE

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 (19 – 25 Oct, 2018) are as follows:

Weather Parameter	Udham Singh Nagar						
	19/10/2018	20/10/2018	21/10/2018	22/10/2018	23/10/2018	24/10/2018	25/10/2018
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Temp ( <sup>0</sup> C)	31.6	32.0	31.0	28.0	30.5	29.5	29.7
Min Temp ( <sup>0</sup> C)	14.9	15.0	13.0	10.9	11.9	12.4	10.8
CC I	3	0	3	0	0	0	0
CC II	0	0	5	0	0	2	0
Max RH I (%)	82	85	91	98	82	89	95
Min RH II (%)	48	64	66	45	64	54	55
Wind speed (km/h)	3.3	4.2	4.0	5.2	3.7	3.4	2.7
Wind direction I	N	NW	N	Calm	Calm	Calm	Calm
Wind Direction II	WNW	WNW	WNW	WNW	ENE	WNW	ENE

## Weather Based Agro-Advisories

### Crop Management:

- Sowing of gram, lentil and pea should be done in the second fortnight of October.
- Small grain variety of gram like- Pant G-114, DCP 92-3, GNG-1581, Aadhar, GNG-1928; Mid grain varieties like- Pant G-186, Pant gram-34; large seed variety like Pusa-256 and kabuli chana variety-Pant Kabuli chana-1 should be selected. lentil varieties like-Pant L-406, Pant L-369, Pant L-4,5,7,8,9, DPL-15,62 and dwarf varieties of round pea like-Aparna, Malviya pea-5, DPR-23, Pant pea-13,14,25,74,155,157 and normal variety- pant pea-42 should be selected for sowing.
- Lentil variety like- Pant l-406, Pant l-639, Pant l-4,5,7,8,9, DPL-15,62 and dwarf variety of pea like Aparna, Malvia Pea-5, DPR-23, Pant Matar- 13, 14, 25, 74, 155, 157 and normal variety-Pant Matar-42 should be selected.
- Seed rate for sowing seeds of gram are 60-75 Kg/Ha, for Lentil 30-40Kg/Ha, for dwarf pea 100-125Kg/Ha and for normal pea 75-80Kg/ha should be taken.
- In an irrigated condition, wheat variety like- C 306, PBW 175, PBW 396, PBW 299, PBW 527 should be sown in the second fortnight of October.
- Certified seed of wheat should be used for sowing. In case of uncertified seed, 2.5 g carbendazim or carboxim or 1.5 g tebukonazole 2 DS per kg of seed should be used before sowing.
- Sowing of wheat should be done at depth of 5 cm & line to line distance should be 22-23 cm.
- Sowing of berseem should be done.
- Berseem varieties like- UPB-110, maskavi, pusa jayant, bardaan should be selected for sowing and seed rate should be 25-30 kg/ha.

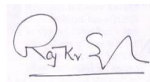
### Horticultural Management:

- Picking up the Bottle Gourd (Lauki), Ridged Gourd (Tori), Cucumber, Bitter Gourd (Karela) should be done and send them to the market for sale.
- To save the Pea crop from stem fly, Carbofuran 3 CG @ 25Kg/Ha should be applied in the field with manure and seed at the time of sowing the seed.
- On the occurrence of fruit borer in the Tomato, Chlorantraniliprole 18.5 SC @ 150ml/Ha or Indoxacarb 14.5 SC @ 500ml/Ha should be used.
- If the field of Brinjal crop is not large and there is an attack of stem borer, then effected branches should be separated by cutting it from 1 inch below of the effected portion with sharp knife or blade.
- Field should be prepared for tomato and leveled it by ploughing. The amount of fertilizers, 120 Kg N, 80 Kg P and 80 Kg K are recommended for Tomato crop.
- 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.
- 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.
- Clearing and ploughing of orchard should be done.
- In case of web on the trees, cleaning of web may be done by using web machine and Quinalphos @ 2ml/liter should be sprayed.

- If gum are releasing from the stem of the tree then copper oxichloride and slaked lime should be apply in the infected areas of main stem.

### **Animal Husbandry:**

- Vaccination of FMD (Foot and Mouth Disease) should be given to the animals.
- 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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