

# ग्रामोभ्युदयादेव देशोभ्युदयः

Govind Ballabh Pant University of Agriculture and Technology

Department of Agrometeorology

College of Agriculture

Pantnagar-263145, Uttarakhand

Phone No. 05944 - 233 032



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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				
	28/10/2017	29/10/2017	30/10/2017	31/10/2017	01/11/2017
Rainfall (mm)	0	0	0	0	0
Max Temp ( <sup>0</sup> C)	29	29	30	30	29
Min Temp ( <sup>0</sup> C)	13	13	13	12	12
Cloud Cover	P-Cloudy	P-Cloudy	P-Cloudy	Clear	Clear
Max RH I (%)	85	85	85	85	85
Min RH II (%)	45	50	50	45	45
Wind speed (km/h)	006	006	006	008	010
Wind direction	SE	ESE	SE	ESE	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 (20 - 26 Oct, 2017) are as follows:

Weather Parameter	Udham Singh Nagar						
	20/10/2017	21/10/2017	22/10/2017	23/10/2017	24/10/2017	25/10/2017	26/10/2017
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Temp ( <sup>0</sup> C)	36.0	33.6	32.4	31.5	32.4	30.0	30.0
Min Temp ( <sup>0</sup> C)	18.4	18.1	15.9	14.6	14.0	13.5	15.1
CC I	Clear	Clear	Clear	Clear	Clear	Clear	Clear
CC II	Clear	P-Cloudy	Clear	Clear	Clear	Clear	P-Cloudy
Max RH I (%)	79	88	74	89	89	89	85
Min RH II (%)	55	63	42	28	43	49	57
Wind speed (km/h)	1.8	2.2	2.9	4.3	2.5	1.3	2.6
Wind direction I	ENE	Calm	ENE	W	Calm	Calm	Calm
Wind Direction II	WNW	WSW	ESE	WNW	ENE	E	S

## Weather Based Agro-Advisories

### Crop Management:

- Gram, lentil and pea should be sown in this month.
- Small grain variety of gram like-Pant G-114, DCP 92-3, GNG-1581, Aadhar, GNG-1928, coarse grain variety of gram like-Pusa-256, variety of Kabuli gram like- Kabuli chana-1 should be selected for sowing.
- Lentil variety like- Pant 1-406, Pant 1-639, Pant 1-4,5,7,8,9, 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.
- This is the right time for sowing the wheat in unirrigated condition. So, sowing of seeds may be done till the end of this month.
- Selection of Wheat variety like C-306, PBW-175, PBW-299, PBW-396 and PBW-527 should be done and Nitrogen, Phosphorous and Potash fertilizer should be taken in the ratio of 60:30:30.
- Sowing of Barseem should be started and Barseem variety- UPB-110, Maskavi, Pusa jayant, Vardaan should be selected for sowing with the seed rate 25-30kg/Ha.
- Seed treatment should be done before sowing.
- Seeds of wheat should be treated by Carboxin @ 2g/kg seeds or Tebuconazole @ 1.5g/kg seeds.
- Seeds of Pulse crop should be treated with 2g Thyrum + 1g Carbendazim / Kg of seed and oilseed crops should be treated with Metalaxyl @ 6 g/Kg seed.

### 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.
- On the attack of White fly in tomato, Cyantraniliprole 10.26 OD @ 900ml/Ha or Thiamethoxam 25 WSG @ 200g/Ha should be applied.
- No insecticide should be used more than once.
- On the occurrence of leaf spot disease in brinjal crop, solution of mancozeb @ 2g/lit of water should be sprayed.
- To control the sucking insect in the Colocasia, 0.2 % solution of Imidachlorpid + Dithene 45 should be sprayed on 10 days interval.
- 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.

### Animal Husbandry:

- Vaccination of FMD (Foot and Mouth Disease) should be given to the animals.
- Foot and Mouth Disease is identified by red eyes, high fever, less productivity and food taken capacity, Mouth ulcers, wound in foot due to delay in the treatment of animals. Infected animals should be separated from healthy animals.

- Keeping in mind the probable high rate of Cattle's delivery in this month, especially in Buffalo, animal shed should be well neat, clean, dry and ventilated. For this, dry Lime should be sprayed in the nearby places.
- In case of new born, placenta should be cut with new blade and tie a knot in that. Don't forget to apply Betadine or Tincher on the cut.
- Toxocara vitulorum (patera) are found in the food tube of buffalo calf in the age of 1-4month. More than 50% buffalo calf should be died because of delay in treatment. Piperazine should be given to the infected calf on identification of Patera disease.
- To save the buffalo calf from patera disease, 10-15 CC Neem oil should be given to the calf immediately after 10 days of his birth. Again after 10 days, 10-15 CC Neem oil should be given. Chenopodium album oil can also be given as a fodder to animals to save the calf/animals from patera disease.
- It is advised that green fodder can be given to the animals by mixing it in dry fodder otherwise animal may be infected by Timpeti disease which causes death of animals.
- There is a chance of Aflatoxicosis disease in Poultry due to occurrence of fungus in the food which causes to death of poultry birds. So, medicine should be administered to the poultry birds only on the advice of veterinarian.

**Dr. R K Singh**  
**Professor & Principal Nodal Officer-GKMS**  
**AMFU- Pantnagar**