

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 district are as follows:

Parameter	Udham Singh Nagar				
	08/12/2018	09/12/2018	10/12/2018	11/12/2018	12/12/2018
Rainfall (mm)	0	0	0	0	0
Max Temp (⁰ C)	22	22	22	21	21
Min Temp (⁰ C)	5	5	6	7	6
Cloud Cover	P-Cloudy	P-Cloudy	P-Cloudy	Cloudy	Dense Cloud
Max RH I (%)	80	80	85	90	90
Min RH II (%)	40	40	45	45	45
Wind speed (km/h)	006	004	006	004	006
Wind direction	NW	NW	NW	ESE	ESE

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 (30 Nov – 6 Dec, 2018) are as follows:

Weather Parameter	Udham Singh Nagar						
	30/11/2018	01/12/2018	02/12/2018	03/12/2018	04/12/2018	05/12/2018	06/12/2018
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Temp (⁰ C)	26.0	25.0	25.2	24.5	24.6	24.5	23.5
Min Temp (⁰ C)	10.5	9.6	10.0	9.0	8.8	8.2	8.5
CC I	4	4	2	4	4	4	4
CC II	0	4	4	4	0	4	4
Max RH I (%)	97	95	95	83	92	94	94
Min RH II (%)	63	63	60	63	60	65	65
Wind speed (km/h)	2.1	1.8	2.4	1.1	2.1	1.9	2.2
Wind direction I	Calm	Calm	N	Calm	Calm	Calm	Calm
Wind Direction II	WSW	W	WSW	WSW	WNW	WSW	WSW

Weather Based Agro-Advisories

Crop Management:

- In timely sown wheat, first irrigation should be given after 20-25 days of sowing. After 3-4 days of first irrigation, remaining dose of Nitrogen should be applied as top dressing in the afternoon.
- To control the weed in the wheat, first and second weeding and hoeing should be done after 25-30 days and 45-50 days of sowing respectively.
- In irrigated condition, late sowing of gram should be completed in the first week of December. Pusa-372 and PG 186 should be selected and sow at the depth of 6-8cm in the lines at a distance of 20-25cm.
- Weeding and hoeing is necessary two times in the timely sown gram crop. First weeding and hoeing should be done after 25-30 days of sowing and second 45-50 days after sowing and after first irrigation.
- Sowing of lentil should be completed up to 15th of December and weeding and hoeing should be done after 25-30 days of sowing.
- Harvesting of Arhar should be done.
- Check the quantity of brix in the juice of ratoon sugarcane crop. When quantity of brix reaches up to 18%, then cutting of sugarcane should be done and send them to the mill. Immediately after the harvesting of sugarcane, field should be prepared for rabi crops.

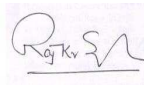
Horticultural Management:

- Deep plowing of orchard should be done to destroy Mig insect, fruit fly, Gujjiya keet and webber insect which remain in the field.
- To save the newly transplanted seedlings of Papaya, Mango and Litchi from frost, dry straw should be collected so that these plants should be covered by straw from 15th December onwards.
- To control the Mango mealy bug in mango, polythene strips should be used so that plants can be protected from these insects. For this, stem of plants should be covered by 25-30 cm broad polythene and above 30-40 cm from the ground. After covering the stem, grease and unusable oil should be applied in the upper and lower part of polythene and both the end of polythene should be tied with the help of chord/string.
- Light irrigation should be given in the cauliflower.
- Harvesting of cauliflower should be done and it sends to the market.
- On the occurrence of brown spot disease in the leaves of brinjal and tomato crop, solution of mancozeb @ 2g/lit of water should be sprayed.
- On the shrinkage or getting piebald of upper leaves of chilly and tomato, infected plants should be removed and destroyed. To control the disease carried insects any sarvangi insecticide should be sprayed.
- To control the leaf spot disease in cole crops, solution of mancozeb @ 2.5 g/liter of water should be sprayed.
- To save the brinjal crop from juice sucking insect, Melathiyan 0.1% should be sprayed after picking up the fruits.

Animal Husbandry:

- To save the animal from cold, dry grasses, paddy residue (Puwal) etc which are not used as fodder for animals should be used as a bedding material for animals in sheds. Door and window should be covered properly so that cold wind could not be entered in the animal shed. Sitting place of animals should be leveled.

- To save the animal from cold, increase the amount of oil and Jaggery (Gur) in the food of animals. Caraway (Ajwain) and gur also be given to the animals.
- In hilly areas, heater may be used to protect the animals from cold. Rice husk should be given to the animals as a food which is the source of energy.
- Maintain the temperature of dwelling place of poultry birds.
- With the changing weather, there is a high chance of Niomonina in new born babies of animals. So, it is advised that animal shed should be protected from cold and hot food should be given to the animals.
- 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.



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