

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 and plain area of Nainital districts are as follows:

Parameter	Udham Singh Nagar				
	29/11/2017	30/11/2017	01/12/2017	02/12/2017	03/12/2017
Rainfall (mm)	0	0	0	0	0
Max Temp (⁰ C)	25	25	25	24	24
Min Temp (⁰ C)	06	06	06	06	07
Cloud Cover	P-Cloudy	Clear	Clear	P-Cloudy	P-Cloudy
Max RH I (%)	80	80	80	85	85
Min RH II (%)	45	45	45	50	50
Wind speed (km/h)	006	006	006	008	008
Wind direction	NW	NW	NW	NW	NW

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 (21–27 November, 2017) are as follows:

Weather Parameter	Udham Singh Nagar						
	21/11/2017	22/11/2017	23/11/2017	24/11/2017	25/11/2017	26/11/2017	27/11/2017
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Temp (⁰ C)	26.0	23.6	25.0	25.5	26.0	24.8	27.5
Min Temp (⁰ C)	8.5	7.6	6.1	7.4	7.6	8.4	6.9
CC I	Clear	Clear	Cloudy	Clear	Clear	Clear	Clear
CC II	Clear	Clear	Clear	Clear	Clear	Clear	P-Cloudy
Max RH I (%)	92	94	91	94	94	94	92
Min RH II (%)	45	36	54	45	55	34	41
Wind speed (km/h)	8.1	3.8	2.8	2.3	1.4	2.9	1.4
Wind direction I	WNW	Calm	Calm	Calm	Calm	Calm	Calm
Wind Direction II	WNW	WNW	WSW	WSW	ESE	ESE	WSW

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.

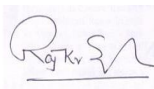
Horticultural Management:

- To save the chilly from Thrips, Lambda cyhalothrin 5EC @300ml/Ha or Fipronil 5SC @ 1Liter/Ha should be sprayed.
- To control the Mite in chilly, diafenthiuron 50WP @ 600g/Ha or Lambda cyhalothrin 5EC @ 300ml/Ha should be sprayed.
- Seed treatment of vegetable pea should be done with thirum 2g + Carbendazim 1g /kg seed or Trichoderma 6-10 g/kg seed before sowing.
- Seed rate for European and Asian variety of Radish should be 6-8Kg/ha and 10-12 kg/Ha respectively.
- Dung manure should be applied in the field before sowing the seed of radish. Fertilizer should be used on the basis of soil testing and distance of line of sowing should be 20-25cm. On the germination of seed plant to plant distance should be maintained at a distance of 8-10 cm.
- Weeding and hoeing should be done in the garlic crop.
- 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.
- Early and mid variety of Cauliflower should be irrigated and weeding operation should be done. Matured cauliflower should be sent to the market after harvesting.
- To save the brinjal crop from juice sucking insect, Melathiyan 0.1% should be sprayed after picking up the fruits.
- No insecticide should be used more than once.
- 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.
- On the occurrence of anthracnose on the leaves of mango, copper oxichloride @ 2g/liter should be sprayed.

- Clearing and ploughing of orchard should be done at the earliest.
- If stem canker or kai kawk are sown in the stem of mango tree then copper oxichloride or beedo mixer should be sprayed.
- On the occurrence of web insect, cleaning of web should be done by using web machine and Quinalphos @ 2ml/liter should be sprayed.

Animal Husbandry:

- 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.
- 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.



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