

# 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				
	30/09/2017	01/10/2017	02/10/2017	03/10/2017	04/10/2017
Rainfall (mm)	0	0	0	0	0
Max Temp ( <sup>0</sup> C)	33	34	34	33	33
Min Temp ( <sup>0</sup> C)	23	23	23	23	22
Cloud Cover	P-Cloudy	P-Cloudy	P-Cloudy	P-Cloudy	P-Cloudy
Max RH I (%)	85	85	85	85	85
Min RH II (%)	45	45	45	45	45
Wind speed (km/h)	006	008	006	006	008
Wind direction	ESE	ESE	SE	SE	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 (22 - 28 Sept, 2017) are as follows:

Weather Parameter	Udham Singh Nagar						
	22/08/2017	23/08/2017	24/08/2017	25/09/2017	26/09/2017	27/09/2017	28/09/2017
Rainfall (mm)	26.6	91.2	7.2	0.0	0.0	0.0	0.0
Max Temp ( <sup>0</sup> C)	31.3	25.2	29.0	31.5	32.0	32.5	33.5
Min Temp ( <sup>0</sup> C)	24.9	23.3	24.0	23.5	23.0	22.8	23.1
CC I CC II	Overcast	Dense Cloud	Overcast	Dense Cloud	Dense Cloud	Clear	Cloudy
	P-Cloudy	P-Cloudy	Overcast	Cloudy	Dense Cloud	Dense Cloud	Cloudy
Max RH I (%)	95	95	93	95	91	82	85
Min RH II (%)	93	86	77	72	72	64	57
Wind speed (km/h)	4.8	7.3	9.5	5.7	1.9	2.0	2.6
Wind direction I	ESE	ENE	ENE	WNW	Calm	NNE	Calm
Wind Direction II	ESE	WSW	WSW	WSW	WNW	WNW	WNW

## Weather Based Agro-Advisories

### Crop Management:

- 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.
- To control the bacterial leaf blight disease in paddy crop, streptomycin 15 g + copper oxichloride 500 g / hectare should be sprayed.
- If growth of Sugarcane is good then tie the plants of three basins of the two rows by using Kaichi method.
- On the occurrence of yellow mosaic disease in the Pulse (Dalhania) crops, leaves turn yellow. This disease is spread by the White Fly. To control this, 2-3 spraying of 30 EC Dimethoate or 20 EC Methyl-O-dimeton @ 1liter/Ha in 500-600 liter of water should be done at an interval of 10-12 days.
- On the attack of stem borer, Chlorantraniliprole 20 SC @ 150ml/ha or Kartop 50SP @ 1kg/Ha or Flubendiamide 480 SC @75ml/Ha or Monocrotophos 36 SL @ 1400 ml/Ha should be sprayed.

### Horticultural Management:

- 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 Imidachlorpid should be sprayed and Sandovit or powder of soap should be mixed in the solution.
- 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.
- To save the Cauliflower from attack of insect, 0.1 % Metasystox or Imidachlorpid should be sprayed.
- After withdrawal of monsoon season, it is observed that Gum comes out from the Mango tree and this is mostly occurred in the orchards where soil is sandy. For this, Copper Sulphate @ 200-250g /Tree should be used. Remove the Gum from the trees by scratching, then spraying of Copper-Oxichloride @ 2g/lit should be done on that part of the tree.
- 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 Ingredient (AI) /meter of canopy.
- Continue the transplanting of plant in the orchards.

### Animal Husbandry:

- 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).
- 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.
- 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.
- Drinking water should be clean because there is a possibility of occurrence of viruses due to parasite and fungus.
- Animal shed should be dried, for this; lime should be sprayed time to time in their places.

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