

# 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 and plain area of Nainital districts are as follows:

Parameter	Udham Singh Nagar				
	07/04/2018	08/04/2018	09/04/2018	10/04/2018	11/04/2018
Rainfall (mm)	1	2	15	5	15
Max Temp ( <sup>0</sup> C)	36	35	32	30	28
Min Temp ( <sup>0</sup> C)	20	19	17	16	15
Cloud Cover	P-Cloudy	Dense Cloudy	Dense Cloudy	Dense Cloudy	Dense Cloudy
Max RH I (%)	80	85	90	90	90
Min RH II (%)	40	45	50	50	50
Wind speed (km/h)	008	010	010	006	006
Wind direction	ESE	SE	ESE	SE	E

**Isolated rain on 7 & 8 April and light to moderate rain from 9 to 11 April with P-Cloudy to dense cloudy sky may likely to occur.**

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 March – 5 April, 2018) are as follows:

Weather Parameter	Udham Singh Nagar						
	30/03/2018	31/03/2018	01/04/2018	02/04/2018	03/04/2018	04/04/2018	05/04/2018
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Temp ( <sup>0</sup> C)	34.0	33.5	31.6	32.0	33.5	35.0	36.0
Min Temp ( <sup>0</sup> C)	15.4	16.8	15.9	16.9	18.3	18.9	20.0
CC I	Clear	Clear	P-Cloudy	Clear	P-Cloudy	Clear	P-Cloudy
CC II	Clear	Clear	Clear	Clear	P-Cloudy	Clear	Clear
Max RH I (%)	74	68	72	81	80	87	74
Min RH II (%)	45	55	57	52	53	44	47
Wind speed (km/h)	5.3	6.1	5.7	6.4	4.7	2.7	4.6
Wind direction I	Calm	Calm	ESE	ENE	WNW	Calm	ENE
Wind Direction II	ENE	WSW	ESE	ENE	ESE	WSW	ESE

## Weather Based Agro-Advisories

### Crop Management:

- For late sowing of sugarcane crop after harvesting of wheat, should be completed in this month. Upper 1/3rd to 1/2nd part of sugarcane should be used as seed for sowing. Seeds should be kept in water for 24 hr before seed treatment because it increases the germination. For seed treatment, solution of 1gram Carbendazim 50% in 1 liter of water should be used.
- Late sowing varieties of sugarcane like CoS88230, CoS95255, CoS595222, CoS97264, Co Pant84212 etc should be used. Balanced fertilizer 100-120; 60:40 NPK/ha should be used and 60Kg N, 60 Kg P<sub>2</sub>O<sub>5</sub> & 40 Kg K<sub>2</sub>O/ha should be used.
- To control the leaf blight and yellow gerui in late sown wheat crop, Propiconazole @ 500ml/Ha should be sprayed.
- Harvesting of pulse crops like pea, lentil and gram should be done in the morning, immediate after maturity. Grains should be dried well before storage.
- Light irrigation should be given in the evening in the late sowing crop of wheat and barley. Irrigation should be given in the high speed of wind.
- Jawar, cowpea (lobia), maize, pearl millet (bajara) should be sown as fodder crop.
- Harvesting of wheat and barley should be done when their spikes turn golden and grain become hard. After harvesting, keep it in the sun for 3-4 days and afterward threshing should be done with thresher.
- If harvesting should be done with combine then moisture in the grains should not be exceeded by 20%.
- Transplanting of mentha should be done during April. 40-45 days seedlings should be transplanted at a distance of 15-20 cm in lines and line to line distance should be 40 cm.
- Weeding and hoeing should be done in standing mentha crop after 10-15 days of first harvesting.
- Fodder crops like chari, Maize, bajara, makchari, lobia and jawar etc can also be sown in this month.
- Moong should be sown up to 10<sup>th</sup> April.
- Sowing of moong varieties like Pant moong-5, Samrat etc should be done in lines at 25-30cm and at 3-4cm depth. Seed rate should be 20-25 kg/ha.
- On the occurrence of leaf spot disease in lobia crop, solution of mancozeb @ 2.0 g/lit of water should be sprayed.

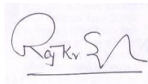
### Horticultural Management:

- On the occurrence of leaf spot disease in cucurbitaceous (pumpkin class vegetables) crop, solution of mancozeb @ 2.5 kg/lit of water should be sprayed.
- On the occurrence of mango hopper after fruit setting, Imidacloprid @ 3 ml/10 liter should be sprayed in the mango orchard.
- On the occurrence of powdery mildew in mango, wettable sulphur @ 2g/litre should be sprayed. If temperature is high then kerathen @ 6ml/10 litre should be sprayed.
- Irrigation should be applied in the orchard at certain time interval as required.
- On the occurrence of contracted piebald leaves in chilly and tomato, infected plants should be removed and destroyed. To control the juice sucking insect in these crops, sarvangi insecticide should be sprayed. To save the crop from late blight disease, it is advised that solution of Mancozeb @ 2.5g/liter or copper oxichloride @ 3g/lit of water should be sprayed.
- On the occurrence of cottony white growth in the stems of French bean crop, infected plants should be removed and destroyed. Solution of carbendazim @ 1g/lit of water should be sprayed.

- If the upper part of leaves of onion and garlic are turning yellow, solution of propiconazole or tebuconazole @ 1 ml/lit of water should be sprayed.

### **Animal Husbandry:**

- This month is characterised by high temperatures, the resultant effects of which on animals is dehydration, a decrease in body salts and appetite, a drop in production etc. It is, therefore, imperative to protect the animals from these high temperatures.
- For obtaining the high production from poultry birds, temperature of their dwelling place should be maintained. Balanced diet, fresh and neat water should be given to them.
- Sitting place of animals should be leveled so that their productive capacity is not affected and special care should be given to the new born animals.
- Keeping in mind the probable high rate of Cattle's delivery, animal shed should be well neat, clean, dry and ventilated. For this, dry Lime should be sprayed in the nearby places.
- 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, 10-15Cc 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.



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