

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				
	07/07/2018	08/07/2018	09/07/2018	10/07/2018	11/07/2018
Rainfall (mm)	0	0	5	25	45
Max Temp ($^{\circ}$ C)	36	36	35	34	33
Min Temp ($^{\circ}$ C)	25	25	24	23	22
Cloud Cover	P-Cloudy	P-Cloudy	Cloudy	Dense Cloudy	Dense Cloudy
Max RH I (%)	80	80	85	90	95
Min RH II (%)	40	40	45	50	50
Wind speed (km/h)	006	004	004	008	012
Wind direction	NW	NW	SE	ESE	SE

Light rain on 9th July and moderate rain on 10th & 11th July with 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 (29 June - 5 July , 2018) are as follows:

Weather Parameter	Udham Singh Nagar						
	29/06/2018	30/06/2018	01/07/2018	02/07/2018	03/06/2018	04/07/2018	05/07/2018
Rainfall (mm)	0.0	0.0	0.0	60.2	70.4	50.2	0.0
Max Temp ($^{\circ}$ C)	34.2	33.5	34.3	33.0	27.0	30.6	32.5
Min Temp ($^{\circ}$ C)	28.2	27.1	25.6	25.4	23.5	23.0	25.4
CC I	6	6	6	8	8	8	4
CC II	8	4	2	8	6	6	2
Max RH I (%)	74	82	82	95	96	93	89
Min RH II (%)	73	73	79	90	77	75	59
Wind speed (km/h)	15.1	8.9	11.2	7.0	3.4	5.4	1.3
Wind direction I	ENE	ENE	N	ENE	Calm	ESE	Calm
Wind Direction II	ESE	ESE	ENE	ESE	WNW	WNW	WSW

Weather Based Agro-Advisories

Crop Management:

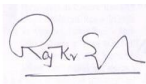
- Arrangement for irrigation and proper drainage of water should be done in the field before transplanting of paddy.
- Paddy field should not be filled with water more than 1-2 cm at the time of transplanting.
- Paddy field should be filled with water after transplanting at tillering, flowering and grain filling stages.
- It is not necessary that paddy field should be continuously filled with water. Field should be irrigated upto 5-7 cm when water is not visible on the surface of paddy field.
- Transplanting should be done after 10-15 hrs of puddling.
- Transplanting of early maturing variety of paddy should be completed till third week of July.
- Before transplanting the seedlings of paddy, roots should be dipped for half an hour in the solution of Carbendazim @1g/litre of water.
- For transplanting of paddy, row to row and plant to plant distance should be 20cm and 10 cm respectively. Again transplant paddy in place of dead plants within 10 days of the transplanting.
- Keeping in view the onset of monsoon, it is advised that proper drainage should be maintained in the field and apply little amount of soil on the surface of the root of sugarcane.

Horticultural Management:

- On the occurrence of yellow spot of irregular shape on cucurbitaceous crops, leaves should be examined by turning and if there is a growth of light gray fungus in the lower portion of leaves then it should be controlled by spraying the solution of Mancozeb @ 2.5 Kg/ Liter.
- If the upper stipe of chilly crop is drying after turning black, then infected branches should be removed by plucking to save the crop and to save the crop from rotting solution of 0.1% Caerbendazim should be sprayed.
- If the tips of the leaves in late okra crop are turning yellow, infected plants should be removed and to control the disease carrying insects, any sarvangi insecticide should be sprayed.
- On the occurrence of spot on the leaves of tomato and scorching of leaves, solution of mancozeb @ 2.5 g/lit of water should be sprayed.
- Transplanting of Chilly may be done on the ridge with row to row and plant to plant distance of 50cm and proper drainage should be made because excess amount of water for about 24 hours in the field dried up the crop.
- Farmers, who didn't sow the Okra crop till date, it is advised that to sow it at the earliest and weeding, hoeing and necessary arrangement of drainage should be done in okra crop sown in the last month.
- Select the Okra variety recommended for rainy season i.e. Uphar, Punjab Padmini, Punjab-1, Punjab-7, Arka, Anamika, Abhay, Parbhani Kranti etc which are resistant to Yellow Vein mosaic disease in Okra.
- Keeping in view the monsoon season, proper drainage should be arranged in the field where early variety of Cabbage transplanted followed by weeding and hoeing.
- Picking the midterm varieties of Mango should be started.
- Picking of mango should be done with peduncle of about 8-10mm length in the morning or evening.
- Picked fruits should not be come in the contact with the soil.
- Wash the fruits with fresh water and dried in the shade before storage.
- Cold storage of dusheri and langra variety of mango should be done at 12⁰C and 15⁰C respectively.

Animal Husbandry:

- After animal's delivery, Gynotone or Utrotone medicine @ 200ml should be given in morning and evening hours for three days to clean the womb.
- Rain water should not be given to the animals.
- To save the animals from infected disease, vaccination should be done before onset of monsoon on the recommendation of veterinarian.
- July month is highly favourable for cattles' delivery. So, it is recommended that their dwelling place should be clean and hygienic.
- Just after delivery, tie the navel of new born baby of cattle by cutting it with sharp and clean knife, then apply Gention violet paint or tincture iodine.
- Don't leave the animal in the monsoonal rain because this may lead the irritation in the skin of animals.
- Make the necessary arrangements to save the animals during adverse weather.
- Give Vaccination to save the animals from infectious diseases before onset of monsoon.
- Give deworming to the animals on the recommendation of veterinarian.
- Don't give the high dose of green fodder to the horses because high dose of this increase the chances occurrence of Celiac disease.



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