

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				
	30/06/2018	01/07/2018	02/07/2018	03/07/2018	04/07/2018
Rainfall (mm)	7	40	55	50	40
Max Temp ($^{\circ}$ C)	36	34	33	32	33
Min Temp ($^{\circ}$ C)	25	24	23	22	23
Cloud Cover	Dense Cloudy	Dense Cloudy	Overcast	Overcast	Dense Cloudy
Max RH I (%)	85	90	95	95	90
Min RH II (%)	45	55	60	50	50
Wind speed (km/h)	008	006	006	004	006
Wind direction	ESE	ESE	SE	SE	SE

Light rain on 30th June and moderate rain from 1st to 4th July with dense cloudy to overcast 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 (22-28 June, 2018) are as follows:

Weather Parameter	Udham Singh Nagar						
	22/06/2018	23/06/2018	24/06/2018	25/06/2018	26/06/2018	27/06/2018	28/06/2018
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0	0.0	18.2
Max Temp ($^{\circ}$ C)	38.5	37.5	39.9	38.0	40.0	37.0	34.0
Min Temp ($^{\circ}$ C)	26.4	27.9	29.0	27.0	28.9	24.6	24.5
CC I	3	0	2	0	8	6	8
CC II	0	2	0	0	4	6	4
Max RH I (%)	61	67	72	70	81	87	82
Min RH II (%)	47	50	52	40	69	68	69
Wind speed (km/h)	4.3	5.8	8.1	4.4	6.7	8.2	8.3
Wind direction I	ENE	ESE	Calm	Calm	ESE	Calm	ESE
Wind Direction II	WSW	WSW	ENE	WNW	ESE	ESE	ESE

Weather Based Agro-Advisories

Crop Management:

- Nursery of paddy should be filled with 4-6 cm of water before plucking the seedlings. Plucking of seedlings should be done carefully followed by washing the roots and transplanting of seedlings should be done immediately.
- Transplanting of paddy should be done when 4-5 leaves were seen in the seedlings of paddy. This stage comes after 18 days in early maturing varieties and after 20-25 days in medium duration varieties of paddy.
- Transplanting of medium duration variety of paddy should be done in the first week of July and early maturing variety 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.
- In maize crop, weeding and hoeing may be done when sky remains clear.
- Soybean varieties like PS-1024, PS-1042 PS-1092, PS-1241, PS-1347, PS-1225, PS-19 etc should be sown in the bhabar and tarai till 1st week of July with seed rate 75 kg/ha after treating them with rhizobium culture. Sowing should be done at a distance of 14-60 cm in lines at 3-4 cm depth. 20 kg N₂ 60 kg P₂O₅ and 40 kg potash /ha should be used.

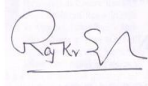
Horticultural Management:

- Use 10-12Kg Okra seed during rainy season after treating it with fungicide with line to line and plant to plant distance 60 and 30 cm respectively.
- 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.
- 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 12^oC and 15^oC respectively.

Animal Husbandry:

- 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.

A handwritten signature in black ink, appearing to read 'R K Singh', is centered above a horizontal line.

Dr. R K Singh
Professor & Principal Nodal Officer-GKMS
AMFU- Pantnagar