

ग्रामोभ्युदयादेव देशोभ्युदयः

Govind Ballabh Pant University of Agriculture and Technology

Department of Agrometeorology

College of Agriculture

Pantnagar-263145, Uttarakhand

Phone No. 05944 - 233 032



Gramin Krishi Mausam Sewa Bulletin, District - Udham Singh Nagar

Year: 27 Issue No.: 77 Bulletin Period: 29 Sept – 3 Oct, 2018 Day: Friday Dated: 28-09-2018

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				
	29/09/2018	30/09/2018	01/10/2018	02/10/2018	03/10/2018
Rainfall (mm)	0	0	0	0	0
Max Temp (⁰ C)	33	32	33	33	34
Min Temp (⁰ C)	22	21	21	22	22
Cloud Cover	P-Cloudy	P-Cloudy	P-Cloudy	P-Cloudy	P-Cloudy
Max RH I (%)	85	80	75	70	70
Min RH II (%)	45	40	35	35	35
Wind speed (km/h)	004	006	006	004	004
Wind direction	NW	NW	NW	NW	NW

Weather will remain clear with p-cloudy sky in coming five days.

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 Sept, 2018) are as follows:

Weather Parameter	Udham Singh Nagar						
	21/09/2018	22/09/2018	23/09/2018	24/09/2018	25/09/2018	26/09/2018	27/09/2018
Rainfall (mm)	2.6	2.4	44.2	2.6	78.0	0.0	0.0
Max Temp (⁰ C)	33.5	31.5	29.5	26.0	29.0	30.5	29.5
Min Temp (⁰ C)	22.5	23.3	22.5	23.7	23.7	22.8	21.5
CC I	4	8	8	8	8	8	3
CC II	8	8	8	6	6	7	4
Max RH I (%)	88	88	96	85	91	93	95
Min RH II (%)	81	76	87	79	75	78	67
Wind speed (km/h)	6.6	7.2	7.6	8.5	7.2	5.4	3.7
Wind direction I	ENE	ENE	ENE	ENE	WNW	WNW	Calm
Wind Direction II	ESE	ENE	ESE	ENE	WNW	N	N

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.
- To control the brown leaf spot in paddy crop, solution of mancozeb @ 2.5 g/lit of water should be sprayed.
- On the occurrence of bacterial leaf blight in paddy, water which is filled in the field should be removed and solution of the mixture of 15 g streptomycin and 500 g copper oxichloride in 500 lit of water/ ha should be sprayed.
- On the occurrence of termite in standing maize crop, mix chlorpyrifos 20 EC @ 5 lit/ha with 25-30 kg dry sand and spread in the evening in proper moisture condition.
- To control the leaf blight disease in maize crop, mancozeb @ 2.5g/lit of water should be sprayed.
- To control the leaf sheath in maize crop, lower leaves should be removed and solution of propiconazole @ 1ml/lit of water should be sprayed.

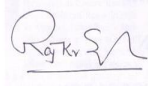
Horticultural Management:

- Field should be prepared for Carrot and Raddish and sowing should be completed till the end of month. Raddish varieties like Pusa Rashmi, Japani White, China Rose, Pusa Himani and Carrot varieties like Pusa Kesar, Pusa Nentis should be sown.
- Tomato seed should be sown in the Nursery for winter season. For common and hybrid varieties of Tomato seed rate should be 500g/Ha and 200-250 g/ha respectively.
- Field should be prepared for early variety of Potato. Apply 200-250 Quintal dung manure in the field and seed should be sown @ 20-25 Q/Ha up to the end of this month.
- Knol-khol varieties like Purple Vienna and White Vienna should be sown in this month.
- To control the root and stem joint rot disease in tomato and chilly, irrigate the roots of the crops with the solution of trichoderma @ 10 g/lit or carbendazim @1 g/lit of water.
- 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 Ingradient (AI) /meter of canopy.
- Continue the transplanting of plant in the orchards.

Animal Husbandry:

- 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.
- 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).
- 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.
- Vaccination of FMD (Foot and Mouth Disease) should be given to the animals.

A handwritten signature in black ink, appearing to read 'R K Singh', is written over a light blue rectangular background.

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