

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.: 80 Bulletin Period: 10 – 14 Oct, 2018 Day: Tuesday Dated: 09-10-2018

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				
	10/10/2018	11/10/2018	12/10/2018	13/10/2018	14/10/2018
Rainfall (mm)	0	0	0	0	0
Max Temp (⁰ C)	31	31	32	31	31
Min Temp (⁰ C)	16	17	18	17	17
Cloud Cover	P-Cloudy	P-Cloudy	P-Cloudy	P-Cloudy	P-Cloudy
Max RH I (%)	80	80	80	75	70
Min RH II (%)	40	40	40	40	35
Wind speed (km/h)	004	006	006	008	008
Wind direction	SE	SE	ESE	NNW	NNW

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 (2 – 8 Oct, 2018) are as follows:

Weather Parameter	Udham Singh Nagar						
	02/10/2018	03/10/2018	04/10/2018	05/10/2018	06/10/2018	07/10/2018	08/10/2018
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Temp (⁰ C)	32.0	32.3	33.0	32.8	32.6	32.0	31.8
Min Temp (⁰ C)	18.2	19.9	18.0	18.2	17.7	17.4	16.5
CC I	0	0	0	0	0	0	0
CC II	0	0	0	2	0	0	0
Max RH I (%)	92	86	75	77	80	86	81
Min RH II (%)	63	61	50	55	63	62	69
Wind speed (km/h)	4.9	4.3	4.5	4.8	4.3	3.0	3.5
Wind direction I	Calm	Calm	Calm	Calm	Calm	Calm	Calm
Wind Direction II	WNW	WNW	WSW	WNW	WNW	ENE	ENE

Weather Based Agro-Advisories

Crop Management:

- To control the Phytophthora late blight in pigeon pea, solution of mancozeb @ 2.5 g/lit of water should be sprayed.
- Rai and Mustard (toria) should be sown in first fortnight of October.
- For sowing of Rai and Mustard crop, Varieties of Rai like- Varuna, Rohini, Krishna, Kanti, Vardan, Vaibhav, Basanti, Narendra, Early rai-4, Urvashi and varieties of Yellow Mustard like- Ragini, Binoy (B-9), Pant peeli Sarso-1 should be selected.
- In winter season variety of Sugarcane crop, sowing of should be completed up to 15 October.
- To control the brown leaf spot in paddy, solution of mancozeb @ 2.5 g/lit of water should be sprayed.
- 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.

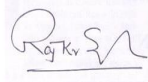
Horticultural Management:

- Transplanting of late variety of Cauliflower can also be done up to the second and third week of this month. 150 Kg N, 80 Kg P, 60 Kg K doses of fertilizers are required. From these doses, half dose of Nitrogen and full dose of Phosphorous should be applied at the time of final ploughing and the remaining dose of Nitrogen should be given at 30-35 days and 60-65 days after transplanting of plants.
- 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 Imidachorpid should be sprayed and Sandovit or powder of soap should be mixed in the solution.
- 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.
- 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.



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