

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.: 82 Bulletin Period: 17 – 21 Oct, 2018 Day: Tuesday Dated: 16-10-2018

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				
	17/10/2018	18/10/2018	19/10/2018	20/10/2018	21/10/2018
Rainfall (mm)	0	0	0	0	0
Max Temp (⁰ C)	30	28	28	30	31
Min Temp (⁰ C)	13	14	14	13	14
Cloud Cover	P-Cloudy	Cloudy	Cloudy	P-Cloudy	P-Cloudy
Max RH I (%)	80	85	90	80	75
Min RH II (%)	40	45	45	40	35
Wind speed (km/h)	004	006	006	006	008
Wind direction	NNW	NW	NW	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 (9 – 15 Oct, 2018) are as follows:

Weather Parameter	Udham Singh Nagar						
	09/10/2018	10/10/2018	11/10/2018	12/10/2018	13/10/2018	14/10/2018	15/10/2018
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Temp (⁰ C)	30.5	31.5	31.2	30.5	30.7	30.0	29.1
Min Temp (⁰ C)	16.4	20.3	20.1	16.5	16.6	13.6	14.0
CC I	0	5	4	6	0	0	0
CC II	0	4	8	5	0	0	0
Max RH I (%)	63	82	82	68	90	93	84
Min RH II (%)	68	69	55	67	49	53	58
Wind speed (km/h)	4.5	4.2	3.3	9.3	4.2	3.8	3.4
Wind direction I	Calm	ENE	ENE	ENE	ENE	Calm	Calm
Wind Direction II	ESE	ESE	WNW	WNW	WNW	WNW	WNW

Weather Based Agro-Advisories

Crop Management:

- Sowing of gram, lentil and pea should be done in the second fortnight of October.
- Small grain variety of gram like- Pant G-114, DCP 92-3, GNG-1581, Aadhar, GNG-1928; Mid grain varieties like- Pant G-186, Pant gram-34; large seed variety like Pusa-256 and kabuli chana variety-Pant Kabuli chana-1 should be selected. lentil varieties like-Pant L-406, Pant L-369, Pant L-4,5,7,8,9, DPL-15,62 and dwarf varieties of round pea like-Aparna, Malviya pea-5, DPR-23, Pant pea-13,14,25,74,155,157 and normal variety- pant pea-42 should be selected for sowing.
- In an irrigated condition, wheat variety like- C 306, PBW 175, PBW 396, PBW 299, PBW 527 should be sown in the second fortnight of October.
- Certified seed of wheat should be used for sowing. In case of uncertified seed, 2.5 g carbendazim or carboxim or 1.5 g tebukonazole 2 DS per kg of seed should be used before sowing.
- Sowing of wheat should be done at depth of 5 cm & line to line distance should be 22-23 cm.
- Sowing of berseem should be done from 15th October.
- Berseem varieties like- UPB-110, maskavi, pusa jayant, bardaan should be selected for sowing and seed rate should be 25-30 kg/ha.
- To obtain the high fodder from first harvesting, forage mustard should be mixed with berseem for sowing.
- To control the Phytophthora late blight in pigeon pea, solution of mancozeb @ 2.5 g/lit of water should be sprayed.

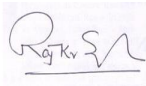
Horticultural Management:

- If the field of Brinjal crop is not large and there is an attack of stem borer, then effected branches should be separated by cutting it from 1 inch below of the effected portion with sharp knife or blade.
- Field should be prepared for tomato and leveled it by ploughing. The amount of fertilizers, 120 Kg N, 80 Kg P and 80 Kg K are recommended for Tomato crop.
- 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.
- 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.
- Clearing and ploughing of orchard should be done.
- In case of web on the trees, cleaning of web may be done by using web machine and Quinalphos @ 2ml/liter should be sprayed.
- If gum are releasing from the stem of the tree then copper oxichloride and slaked lime should be apply in the infected areas of main stem.

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