

ग्रामोभ्युदयादेव देशोभ्युदयः

Govind Ballabh Pant University of Agriculture and Technology

Department of Agrometeorology

College of Agriculture

Pantnagar-263145, Uttarakhand

Phone No. 05944 - 233 032



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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 and plain area of Nainital districts are as follows:

Parameter	Udham Singh Nagar				
	16/05/2018	17/05/2018	18/05/2018	19/05/2018	20/05/2018
Rainfall (mm)	0	0	0	0	0
Max Temp ($^{\circ}$ C)	36	36	37	37	38
Min Temp ($^{\circ}$ C)	20	20	21	21	21
Cloud Cover	Cloudy	P-Cloudy	P-Cloudy	P-Cloudy	P-Cloudy
Max RH I (%)	80	80	75	75	80
Min RH II (%)	40	40	35	35	40
Wind speed (km/h)	008	006	010	008	006
Wind direction	SE	SE	ESE	SE	ESE

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 (8 – 14 May, 2018) are as follows:

Weather Parameter	Udham Singh Nagar						
	08/05/2018	09/05/2018	10/05/2018	11/05/2018	12/05/2018	13/05/2018	14/05/2018
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0	0.0	5.8
Max Temp ($^{\circ}$ C)	39.5	34.2	36.0	37.0	39.1	35.6	37.0
Min Temp ($^{\circ}$ C)	23.4	17.4	17.0	18.9	23.7	27.3	19.0
CC I CC II	Overcast	Clear	P-Cloudy	Clear	Clear	Cloudy	Clear
	Dense Cloudy	Cloudy	Clear	Clear	Clear	Clear	Clear
Max RH I (%)	48	73	68	78	62	68	82
Min RH II (%)	32	25	27	25	49	48	57
Wind speed (km/h)	9.3	6.0	7.3	6.1	7.4	11.6	9.8
Wind direction I	WNW	WNW	Calm	Calm	ESE	ESE	NNW
Wind Direction II	N	WNW	WNW	WNW	SSE	SSE	ESE

Weather Based Agro-Advisories

Crop Management:

- Irrigation should be given in urd, moong and cowpea. Crop should be turned in the field as green manure after picking of pods.
- Light irrigation in the sunflower should be given so that plants do not fall. Crop should be save from the parrots. To save the crop from bihar hairy caterpillar, 1 lit of quinalphos 25 ec should be sprayed. To control the leaf hopper (jassids), mixture of 1 lit methyl-o-demeton 25 ec in 600-800 lit of water should be sprayed.
- To save next wheat crop from kandua disease, seeds of wheat should be treated with solar energy before storage. Moisture content in the seeds should be less than 12%. Spraying of melathiyan 50EC @3lit/100 square meters should be done on the walls and floor of the storage house.
- Bunding and summer ploughing of the field should be done in this month.
- If irrigation facility is available then sowing of dhaincha and sanai should be done after harvesting of wheat and other rabi crops for green manure.
- Soil sample should be taken from different places in this month from fallow field after harvesting of rabi crops. Soil sample should be taken up to the depth of 20 cm.
- In paddy-wheat crop rotation, after harvesting of wheat or any other rabi crops, sowing of green manure like sesbania (dhaincha) and sannhemp (sanai) should be done up to 15th May.
- Progressive variety of sanai like Narendra sanai-1 and dhaincha variety like pant dhaincha-1, hisar dhaincha-1 etc should be selected. Seed rate for sanai should be 80-90 kg/ha and for dhaincha 60-80 kg/ha.
- To control the root and stem rot diseases in French bean and lobia, carbendazim @ 1g/lit of water should be sprayed.

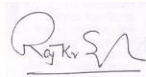
Horticultural Management:

- If there is a chance of occurrence of bacterial canker in mango, 200 ppm streptomycin (200mg/lit) should be sprayed.
- To control fruit fly in mango orchard, pheromone trap made up of wood should be should be placed on tree (10 trap/ha) and pheromone trap should be changed in 2 months.
- To control the black tip and internal necrosis, 1.0 % borax (10g/liter) should be sprayed.
- Necessary irrigation should be applied to maintain the proper moisture condition in the orchard.
- To control the powdery mildew in mango, solution of 0.1 % carbendazim should be sprayed.
- On the occurrence of irregular shaped piebald spot in the leaves of cucurbitaceous (pumpkin class vegetables) crop, solution of mancozeb @ 2.5 g/lit of water should be sprayed.
- To control the leaf blight disease in onion, tebuconazole or difinoconazole or propiconazole @ 500ml/ha with any srvangi insecticide and sticker should be sprayed.
- On the occurrence of contracted piebald leaves in chilly and tomato, infected plants should be removed and destroyed. To control the juice sucking insect in these crops, sarvangi insecticide should be sprayed. To save the crop from late blight disease, it is advised that solution of Mancozeb @ 2.5g/liter or copper oxichloride @ 3g/lit of water should be sprayed.

Animal Husbandry:

- In the summer season, time to time spraying of melathiyan or other insecticide should be done in the drains near the animal shed.

- Temperature of animal shed should be maintained using cooling devices such as fan, cooler or latest cooling device to maintain the productivity of foreign cows and save them from diseases.
- When animal is affected by sun stroke then contact the veterinarian immediately for their remedy.
- Neat, fresh and cold water should be given to the animals three times in a day. Availability of sufficient moisture in the body of animals maintains the balance between the temperature of their skin and environment which save the animals from the effect of loo (summer wind).
- To save the animals from high temperature, balanced diet should be given to them. Green fodder mixed with dry fodder and grain must be given to the animals.
- Buffalo should be kept in the animal shed from 9 AM to 6 PM, to save them from sun.



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