

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 and plain area of Nainital districts are as follows:

Parameter	Udham Singh Nagar				
	19/05/2018	20/05/2018	21/05/2018	22/05/2018	23/05/2018
Rainfall (mm)	0	0	0	0	0
Max Temp (⁰ C)	36	36	37	38	39
Min Temp (⁰ C)	24	24	25	25	26
Cloud Cover	Cloudy	P-Cloudy	P-Cloudy	Clear	Clear
Max RHI (%)	80	80	75	70	70
Min RH II (%)	40	40	35	35	30
Wind speed (km/h)	006	004	006	006	006
Wind direction	SE	ENE	NE	NNW	NW

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 (11 – 17 May, 2018) are as follows:

Weather Parameter	Udham Singh Nagar						
	11/05/2018	12/05/2018	13/05/2018	14/05/2018	15/05/2018	16/05/2018	17/05/2018
Rainfall (mm)	0.0	0.0	0.0	5.8	0.0	0.0	5.8
Max Temp (⁰ C)	37.0	39.1	35.6	37.0	32.5	34.0	36.5
Min Temp (⁰ C)	18.9	23.7	27.3	19.0	22.4	23.9	25.8
CC I	Clear	Clear	Cloudy	Clear	Clear	Dense Cloudy	Clear
CC II	Clear	Clear	Clear	Clear	Cloudy	Clear	Clear
Max RHI (%)	78	62	68	82	79	79	70
Min RH II (%)	25	49	48	57	52	52	56
Wind speed (km/h)	6.1	7.4	11.6	9.8	5.6	6.1	8.5
Wind direction I	Calm	ESE	ESE	NNW	ENE	NNW	ESE
Wind Direction II	WNW	SSE	SSE	ESE	ESE	N	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.
- To control the root and stem rot diseases in French bean and lobia, carbendazim @ 1g/lit of water should be sprayed.

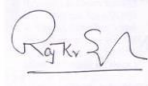
Horticultural Management:

- 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:

- Depending upon the season, the content of the animal feed should be changed. At this time increase the quantity of wheat chaff and jowar in the feed.
- 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.

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

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