

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				
	16/06/2018	17/06/2018	18/06/2018	19/06/2018	20/06/2018
Rainfall (mm)	40	55	25	10	0
Max Temp (⁰ C)	34	34	34	35	36
Min Temp (⁰ C)	23	23	24	24	25
Cloud Cover	Dense Cloudy	Dense Cloudy	Dense Cloudy	Dense Cloudy	Dense Cloudy
Max RH I (%)	90	90	90	85	85
Min RH II (%)	50	50	50	40	40
Wind speed (km/h)	006	008	008	010	006
Wind direction	SE	ESE	SE	SE	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 (08-14 June, 2018) are as follows:

Weather Parameter	Udham Singh Nagar						
	08/06/2018	09/06/2018	10/06/2018	11/06/2018	12/06/2018	13/06/2018	14/06/2018
Rainfall (mm)	38.2	0.0	49.4	35.6	0.0	0.0	0.0
Max Temp (⁰ C)	37.4	32.4	34.5	32.5	36.0	38.0	38.4
Min Temp (⁰ C)	24.3	25.9	22.2	25.4	26.5	27.1	27.4
CC I	8	7	8	4	0	0	4
CC II	5	2	2	0	0	0	4
Max RH I (%)	93	92	95	87	86	78	82
Min RH II (%)	76	46	81	62	43	57	72
Wind speed (km/h)	6.6	10.2	6.1	5.2	7.3	3.3	6.3
Wind direction I	ESE	ESE	WSW	Calm	Calm	ENE	ESE
Wind Direction II	ESE	ENE	WSW	WNW	WNW	WSW	ESE

Weather Based Agro-Advisories

Crop Management:

- Nursery of paddy should be prepared.
- Certified seeds or self-produced healthy seeds should be used for nursery of paddy only after treatment.
- Nursery of basmati & scented paddy varieties like Type-3, Tarawari basmati, pusa basmati, pant sugandh dhan 17, 21, PRH 10 etc should be prepared from 15 to 30 June.
- Groundnut varieties like-Ta 64, Chandra, Kaushal, Prakash, Amber, etc should be sown in the second fortnight of June. Seed rate should be 60-70kg/ha and sowing should be done in the lines at a distance of 30-45cm. 20kg Nitrogen, 40kg P₂O₅, 45 kg Potash /ha, 200kg Gypsum and 4kg borax should be used as fertilizer.
- Harvest the urd and moong crops immediate after maturing. Don't delay in the harvesting otherwise grains will fall after cracking of pods. Plucking of pods should be done after maturing of 80% pods of urd and moong and plough the green plants in the field as green manure.
- To control the root and stem rot diseases in French bean and lobia, carbendazim @ 1g/lit of water should be sprayed.

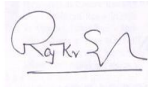
Horticultural Management:

- Plucking of early ripening variety of mango should be done.
- 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:

- On the occurrence of nitrate toxicity in the food of animals, respiration and pulse rate of animals increases and they feel weakness and stiffness in their muscles. Give the 50-100 ml dose of 1% Methylene blue direct in the veins of animals if their food is affected by nitrogen toxicity.
- If animal has consumed the cyanide affected fodder then water should not be given to them. Animals should be kept away from grazing the less grown jawar, bajara and fodder in pasture.
- Small shrival/fade yellow stiff plants should not be used as fodder for animals to save them from cyanide.
- In the summer season, time to time spraying of melathiyani 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.

A handwritten signature in black ink, appearing to read 'R K Singh', is enclosed in a light purple rectangular box.

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