

ग्रामोभ्युदयादेव देशोभ्युदयः

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Gramin Krishi Mausam Sewa Bulletin, District - Udham Singh Nagar

Year: 27 Issue No.: 45 Bulletin Period: 09-13 June, 2018 Day: Friday Dated: 08-06-2018

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 and plain area of Nainital districts are as follows:

Parameter	Udham Singh Nagar				
	09/06/2018	10/06/2018	11/06/2018	12/06/2018	13/06/2018
Rainfall (mm)	35	20	10	8	5
Max Temp (⁰ C)	30	32	33	33	34
Min Temp (⁰ C)	23	22	21	22	23
Cloud Cover	Dense Cloudy	Dense Cloudy	Dense Cloudy	Dense cloudy	Cloudy
Max RH I (%)	90	90	90	85	85
Min RH II (%)	50	45	45	40	40
Wind speed (km/h)	008	008	006	004	006
Wind direction	ESE	SE	SE	ESE	SE

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 (01-07 June, 2018) are as follows:

Weather Parameter	Udham Singh Nagar						
	01/06/2018	02/06/2018	03/06/2018	04/06/2018	05/06/2018	06/06/2018	07/06/2018
Rainfall (mm)	0.2	15.2	8.8	0.0	0.0	Trace	0.0
Max Temp (⁰ C)	36.5	32.0	30.5	35.2	36.5	37.5	36.0
0Min Temp (⁰ C)	24.9	20.5	24.4	26.4	28.3	28.9	26.0
CC I	5	5	3	5	5	4	5
CC II	0	3	0	3	4	6	3
Max RH I (%)	75	80	70	82	69	59	85
Min RH II (%)	55	68	59	61	50	75	57
Wind speed (km/h)	7.9	14.0	6.9	6.5	8.0	9.2	6.1
Wind direction I	ESE	ESE	ENE	ENE	ENE	ENE	Calm
Wind Direction II	ENE	ESE	ESE	ESE	ESE	ENE	ESE

Weather Based Agro-Advisories

Crop Management:

- Nursery of paddy should be prepared.
- Preparation of nursery for mid duration variety of paddy like - Narendra-359, Pant dhan-18, HKR-147, PR-113 etc should be done up to 10th June.
- Certified seeds or self-produced healthy seeds should be used for nursery of paddy only after treatment.
- Seed rate for transplanting nursery should be 30, 35 and 40kg/hac for thin, moderate thick and thick variety of paddy respectively.
- Soil sample should be taken from the field after harvesting of rabi crops for soil testing.
- Irrigation and hoeing should be done in spring season sugarcane or sugarcane sown after harvesting of wheat. If top dressing of urea is not done earlier, then it should be done after irrigation.
- In ratoon sugarcane crop, more than 25% urea should be applied as top dressing. Application of all doses of Nitrogen in sugarcane crop should be completed till the end of the June.
- To control the root and stem rot diseases in French bean and lobia, carbendazim @ 1g/lit of water should be sprayed.

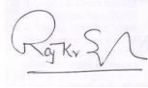
Horticultural Management:

- 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 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 difenoconazole 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 shrivel/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.



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