

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				
	23/08/2017	24/08/2017	25/08/2017	26/08/2017	27/08/2017
Rainfall (mm)	20	10	15	15	15
Max Temp (⁰ C)	33	33	32	32	31
Min Temp (⁰ C)	25	25	25	24	24
Cloud Cover	Dense Cloud	Dense Cloud	Dense Cloud	Overcast	Overcast
Max RH I (%)	95	95	95	95	95
Min RH II (%)	60	60	65	65	65
Wind speed (km/h)	008	010	012	012	014
Wind direction	SE	SSE	SE	SE	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 (15 – 21 August, 2017) are as follows:

Weather Parameter	Udham Singh Nagar						
	15/08/2017	16/08/2017	17/08/2017	18/08/2017	19/08/2017	20/08/2017	21/08/2017
Rainfall (mm)	8.2	0.0	0.0	19.4	7.0	Trace	0.0
Max Temp (⁰ C)	31.7	33.5	33.4	33.6	33.5	32.6	33.5
Min Temp (⁰ C)	26.1	26.4	26.8	25.5	25.1	26.1	26.5
CC I	Overcast	Overcast	Overcast	Overcast	Overcast	Dense Cloud	Dense Cloud
CC II	Dense Cloud	Dense Cloud	Dense Cloud	Dense Cloud	Cloudy	Partly-Cloudy	Cloudy
Max RH I (%)	95	94	90	90	93	80	83
Min RH II (%)	66	67	67	74	73	70	73
Wind speed (km/h)	3.6	3.5	7.0	7.0	6.7	7.1	6.8
Wind direction I	E	Calm	WSW	ENE	ENE	ENE	ESE
Wind Direction II	WSW	WNW	ESE	ENE	ENE	ENE	WNW

Weather Based Agro-Advisories

Crop Management:

- In some areas, infestation of bacterial leaf blight is found in the paddy crop. If tip of the leaves turn white or both sides of leaf turned white then in these fields spraying of 500g Copper oxichloride and 15g streptomycin in 500 liter water should be done. These chemicals should be sprayed again at 7-10 days interval.
- Attack of Hispa insect in paddy are also observed in many places. These Hispa insects are black in colour and thorns are found in their body. They consume chlorophyll of the leaves and turn them white. In case of occurrence of Black Hispa insect in paddy, spray 40 EC Triazophos @ 750ml/Ha or 36 SL Monocrotophos @ 1400ml/Ha should be done in the field.
- On the occurrence of Khaira disease in paddy crop, spray 5 Kg Zinc Sulphate and 20 Kg Urea or 2.5 Kg slacked lime, after mixing with 1000 liter of water.
- To control the shoot borer and top borer in Sugarcane, apply Carbofuron 3G @ 30Kg/Ha in the field when sufficient moisture is available in the soil.
- In monsoon season, it is advised that necessary arrangements should be done for drainage of water in the field of Sugarcane crop.

Horticultural Management:

- Field should be prepared for early variety of Spinach (Palak) and sowing should be done in this month.
- Spinach should be sown at 25-30 cm distance in the lines and seed rate should be @25-30kg seeds/Ha.
- In this month, there is a chance of the occurrence of tent caterpillars. So tent should be removed with the help of tent removable device and effected part should be removed and burnt together with insects. If the occurrence of this insect is high then 0.2 % carbaryl or 0.05 % quinalphos should be sprayed.
- To control the red rust and anthracnose, 0.3 % Copper oxichloride (3.0 g/liter) should be sprayed.
- Establishment of new orchard should be done.
- On the occurrence of yellow spot of irregular shape on cucurbitaceous crops, leaves should be examined by turning and if there is a growth of light gray fungus in the lower portion of leaves then it should be controlled by spraying the solution of Mancozeb @ 2.5 Kg/ Liter.
- If the leaves of chilly and tomato are turning black and upper stipe of chilly crop is rotting after turning black then solution of 0.1% Carbendazim should be sprayed.
- On the attack of White fly in tomato, Cyantraniliprole 10.26 OD @ 900ml/Ha or Thiamethoxam 25 WSG @ 200g/Ha should be applied and fruit should be used after 5days of spraying.
- To save the chilly from Thrips, Lambda cyhalothrin 5EC @300ml/Ha or Fipronil 5SC @ 1Liter/Ha should be sprayed and chilly is used after 7 days of spraying of chemicals.
- To control the Mite in chilly, diafenthiuron 50WP @ 600g/Ha or Lambda cyhalothrin 5EC @ 300ml/Ha should be sprayed and in this case fruit may be used after 5 days of spraying.
- On the occurrence of fruit borer in the Tomato, fruit should be used only after 3 days and 5 days of spraying of Chlorantraniliprole 18.5 SC @ 150ml/Ha and Indoxacarb 14.5 SC @ 500ml/Ha respectively.
- To control the stem and fruit borer in brinjal, spraying of Emamectin benzoate 5SG @ 200g/Ha, Cypermethrin 25EC @200ml/Ha, Lambda cyhalothrin 5CS @ 300ml/Ha should be done and fruit should be used after 5 days of last spraying of chemicals.

Animal Husbandry:

- 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.

- Drinking water should be clean because there is a possibility of occurrence of viruses due to parasite and fungus.
- Animal shed should be dried, for this, lime should be sprayed time to time in their places.
- Deworming doses should be given to the poultry birds on the recommendation of veterinarian because worms in the poultry birds lessen the production capacity of eggs.
- To save the poultry farm from fly and mosquito, Melathyan or Finit should be sprayed.
- After animal's delivery, Gynotone or Utrotone medicine @ 200ml should be given in morning and evening hours for three days to clean the womb.

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