

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 district are as follows:

Parameter	Udham Singh Nagar				
	15/09/2018	16/09/2018	17/09/2018	18/09/2018	19/09/2018
Rainfall (mm)	7	3	0	0	0
Max Temp (⁰ C)	33	33	34	34	34
Min Temp (⁰ C)	23	24	24	24	23
Cloud Cover	Dense Cloudy	Dense Cloudy	Cloudy	P-Cloudy	P-Cloudy
Max RH I (%)	85	85	80	80	80
Min RH II (%)	45	45	40	40	40
Wind speed (km/h)	008	006	006	006	006
Wind direction	NW	WNW	NW	NW	WNW

From 15th to 19th September, light rain on 15th & 16th September at some isolated places and remaining days will remain clear with P-cloudy to dense cloudy sky.

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 (7 – 13 Sept, 2018) are as follows:

Weather Parameter	Udham Singh Nagar						
	07/09/2018	08/09/2018	09/09/2018	10/09/2018	11/09/2018	12/09/2018	13/09/2018
Rainfall (mm)	47.0	0.0	0.0	0.0	0.0	9.8	Trace
Max Temp (⁰ C)	34.5	33.0	31.3	32.5	32.6	32.3	31.5
Min Temp (⁰ C)	24.4	26.3	25.5	25.4	25.7	24.0	24.5
CC I	8	8	6	6	9	9	8
CC II	5	8	5	8	8	8	8
Max RH I (%)	90	84	90	93	87	95	93
Min RH II (%)	74	87	79	78	76	79	82
Wind speed (km/h)	4.1	5.5	7.0	5.3	4.2	7.3	8.3
Wind direction I	ESE	ENE	ENE	WNW	WSW	Calm	WSW
Wind Direction II	ENE	ESE	ESE	ESE	WNW	WNW	WNW

Weather Based Agro-Advisories

Crop Management:

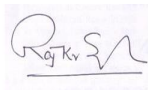
- To control the brown leaf spot in paddy crop, solution of mancozeb @ 2.5 g/lit of water should be sprayed.
- On the occurrence of termite in standing maize crop, mix chlorpyrifos 20 EC @ 5 lit/ha with 25-30 kg dry sand and spread in the evening in proper moisture condition.
- In no rainfall condition, irrigation should be applied in the soyabean crop at the time of flowering and pod initiation.
- It is the high time of flowering and fruiting of the Maize, Jawar and Bajara, which required sufficient moisture in the field. So, it is advised that field should be irrigated in case of no rainfall situation and proper drainage should be maintained to avoid the deposition of water in the field.
- Now a day, paddy is in the stage of emergence/ formation of earhead and this stage is very susceptible to water stress leads to influence the size, number of grains and weight of seeds of earhead. Therefore it is recommended that sufficient moisture /irrigation should be maintained in the field.
- To control the leaf blight disease in maize crop, mancozeb @ 2.5g/lit of water should be sprayed.
- To control the leaf sheath in maize crop, lower leaves should be removed and solution of propiconazole @ 1ml/lit of water should be sprayed.
- On the occurrence of bacterial leaf blight in paddy, water which is filled in the field should be removed and solution of the mixture of 15 g streptomycin and 500 g copper oxichloride in 500 lit of water/ ha should be sprayed.

Horticultural Management:

- In Colocasia root and Ginger, water should be drained from high rainfall region and irrigation should be applied in the low rainfall region. Weeding and earthing should be applied in the field of these crops.
- To control the sucking insect in the Colocasia, 0.2 % solution of Imidachlorpid + Dithene 45 should be sprayed on 10 days interval.
- Weeding and hoeing should be done in the Brinjal crop, sown in the previous month. 1/4th part of Nitrogen should be applied as top dressing in the field and remaining 1/4th part should be given at an interval of 60-65 days as a top dressing in the standing crop.
- To save the Cauliflower from attack of insect, 0.1 % Metasystox or Imidachlorpid should be sprayed.
- To control the root and stem joint rot disease in tomato and chilly, irrigate the roots of the crops with the solution of trichoderma @ 10 g/lit or carbendazim @1 g/lit of water.
- On the occurrence of branch knot in the Orchard, Quinalphos @ 2ml/liter should be used.
- Proper drainage of water should be done in the Papaya orchard.
- For proper growth and good quality of fruits of Amla (Gooseberry), Borex @200-250g/ tree basin may be applied.
- In this month, there is a chance of the occurrence of tent caterpillars in mango. 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 oxi chloride (3.0 g/liter) should be sprayed.

Animal Husbandry:

- In this month, rate of animal's delivery especially in buffalos increases. The Pregnant animals should be separated from other animals if possible and complete diet in little quantity at many times in a day should be given to them otherwise they can be affected by afra (fatty liver).
- To save the sheep and goats from infectious diseases, give vaccination of Interotoxemia and PPR.
- 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.
- 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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