

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				
	22/08/2018	23/08/2018	24/08/2018	25/08/2018	26/08/2018
Rainfall (mm)	10	20	35	20	30
Max Temp ($^{\circ}$ C)	34	33	32	32	31
Min Temp ($^{\circ}$ C)	26	25	24	24	25
Cloud Cover	Dense Cloudy	Dense Cloudy	Dense Cloudy	Dense Cloudy	Dense Cloudy
Max RH I (%)	85	90	95	95	95
Min RH II (%)	45	50	50	55	55
Wind speed (km/h)	008	006	004	004	006
Wind direction	ESE	SE	SE	ESE	ESE

Light to moderate rain with dense cloudy sky may likely to occur in coming five days.

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 (14 – 20 Aug, 2018) are as follows:

Weather Parameter	Udham Singh Nagar						
	14/08/2018	15/08/2018	16/08/2018	17/08/2018	18/08/2018	19/08/2018	20/08/2018
Rainfall (mm)	1.2	Trace	0.0	0.0	1.2	0.0	0.0
Max Temp ($^{\circ}$ C)	28.3	33.7	33.0	35.0	32.6	33.6	34.7
Min Temp ($^{\circ}$ C)	25.5	25.9	26.7	27.2	26.4	25.9	25.0
CC I	8	8	8	8	8	3	8
CC II	4	6	6	8	5	4	8
Max RH I (%)	95	93	78	88	85	87	97
Min RH II (%)	65	64	69	78	75	66	76
Wind speed (km/h)	0.2	1.3	2.9	1.8	2.5	1.2	2.9
Wind direction I	ENE	ENE	ENE	ENE	ESE	Calm	ENE
Wind Direction II	WSW	WSW	ESE	ENE	WSW	WNW	ESE

Weather Based Agro-Advisories

Crop Management:

- 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.
- To control the shoot borer in sugarcane crop, chlorantraniliprole 18.5 SC @ 375ml/1000lit of water should be sprayed.
- On the occurrence of black bug in sugarcane crop, phenthoate 50 EC @ 1lit/ha or quinalphos 25 EC @ 2lit/ 500 lit of water should be sprayed.
- 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.
- Remaining dose of nitrogen should be given as a top dressing twice at the time of panicle initiation after 20 days of transplanting and starting stage of ear formation i.e. 40-50 days of transplanting. Proper moisture should be available in the field at the time of top dressing and rain drops are not there in the leaves.
- Weeding and hoeing in maize crop should be done twice at an interval of 20 and 35 days of sowing.
- Weeding should be done at 20 and 40 days of transplanting of paddy.
- To control the weeds in paddy, 20-25 g bispyribac-sodium 10 EC should be sprayed within 15-20 days of transplanting the paddy.

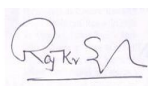
Horticultural Management:

- 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 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.
- In the first fortnight of August, sowing of mango seeds/kernels should be continued. Before grafting the one year old seed plants of mango, transplant it in other place then continue the grafting.
- Establishment of new orchard should be done.
- Necessary arrangement should be done for proper drainage of rain water.
- In fruiting trees, 50 g of nitrogen per year of tree age should be given. According to this maximum 500 g nitrogen for 10 year or after that i.e. 1.1 kg urea/tree should be applied after plucking the fruit.
- 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 yellow-brown spot in the leaves of cucurbitaceous crops, solution of mancozeb @ 2.5 g/ lit of water should be sprayed.
- If the upper stipe of chilly crop is drying after turning black, then infected branches should be removed by plucking to save the crop and to save the crop from rotting solution of 0.1% Caerbendazim should be sprayed.
- If the tips of the leaves in late okra crop are turning yellow, infected plants should be removed and to control the disease carrying insects, any sarvangi insecticide should be sprayed.
- On the occurrence of spot on the leaves of tomato and scorching of leaves, solution of mancozeb @ 2.5 g/lit of water should be sprayed.

Animal Husbandry:

- To save the animal from Gal-Ghotu disease, tie them in neat and clean places. When symptoms of Gal-Ghotu disease appeared in the animals, then inject Suphonamides like Sulphamethazine or Sulphadimidne 150Mg/Kg in the veins of animal for three days with the advice of Veterinarian.
- 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, Melathiyani 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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