

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 | | | | |
|----------------------------|-------------------|-------------|------------|------------|-------------|
| | 30/08/2017 | 31/08/2017 | 01/09/2017 | 02/09/2017 | 03/09/2017 |
| Rainfall (mm) | 5 | 20 | 30 | 30 | 20 |
| Max Temp (⁰ C) | 33 | 32 | 31 | 31 | 32 |
| Min Temp (⁰ C) | 25 | 25 | 24 | 24 | 24 |
| Cloud Cover | Dense Cloud | Dense Cloud | Overcast | Overcast | Dense Cloud |
| Max RH I (%) | 95 | 95 | 95 | 95 | 95 |
| Min RH II (%) | 60 | 65 | 65 | 65 | 65 |
| Wind speed (km/h) | 014 | 010 | 008 | 008 | 010 |
| Wind direction | SE | SE | ESE | SE | NW |

Light to moderate rain may likely to occur from 30th August to 3rd September, 2017 with dense cloudy to overcast 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 (22 – 28 August, 2017) are as follows:

| Weather Parameter | Udham Singh Nagar | | | | | | |
|----------------------------|-------------------|------------|------------|------------|-------------|-------------|------------|
| | 22/08/2017 | 23/08/2017 | 24/08/2017 | 25/08/2017 | 26/08/2017 | 27/08/2017 | 28/08/2017 |
| Rainfall (mm) | 4.2 | 53.2 | 0.0 | 0.0 | 0.0 | 0.0 | 9.2 |
| Max Temp (⁰ C) | 32.0 | 32.6 | 27.5 | 33.0 | 31.5 | 33.0 | 34.0 |
| Min Temp (⁰ C) | 26.0 | 26.1 | 24.0 | 25.5 | 25.5 | 24.5 | 24.4 |
| CC I CC II | Dense Cloud | Overcast | Overcast | Cloudy | Dense Cloud | Dense Cloud | Overcast |
| | Cloudy | Overcast | Cloudy | Clear | Overcast | Dense Cloud | Overcast |
| Max RH I (%) | 86 | 92 | 96 | 90 | 87 | 89 | 80 |
| Min RH II (%) | 74 | 95 | 74 | 89 | 65 | 59 | 77 |
| Wind speed (km/h) | 5.4 | 5.0 | 3.3 | 2.7 | 4.0 | 2.7 | 5.3 |
| Wind direction I | ENE | ENE | N | ESE | Calm | ENE | ENE |
| Wind Direction II | ESE | ESE | WNW | WNW | WNW | WNW | ENE |

Weather Based Agro-Advisories

Crop Management:

- 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.
- If the leaves of paddy crops from tip to bottom are drying after turning yellow, then 15 g streptomycin + 500 g Copper Oxochloride in 500 liter of water per hectare should be sprayed.
- On the occurrence of red coloured oval spot on the leaves of maize, solution of 1.5 kg mancozeb per hectare should be sprayed.
- On the occurrence of thin and long light yellow coloured spot which turn kathai later, then solution of 5 kg zinc sulfate + 20 kg urea in 1000 liter of water per hectare 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.
- 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:

- 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. 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.
- Establishment of new orchard should be done.
- If seedlings of Brinjal are ready in the nursery, then transplant them in this month. For transplanting row to row and plant to plant distance should be 60 cm.
- Transplanting of Chilly should be completed in the month of August and it should be transplanted on the ridge. Fast growing varieties of Chilly should be transplanted at a distance of 50*50 cm and slow growing varieties at a distance of 45*30 cm.
- Mid variety of Cabbage can be sown in this month and weeding and hoeing should be done in the early variety of Cabbage.
- 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.

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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