

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 | | | | |
|----------------------------|-------------------|--------------|--------------|--------------|------------|
| | 01/08/2018 | 02/08/2018 | 03/08/2018 | 04/08/2018 | 05/08/2018 |
| Rainfall (mm) | 30 | 45 | 35 | 45 | 20 |
| Max Temp (⁰ C) | 31 | 32 | 32 | 33 | 32 |
| Min Temp (⁰ C) | 24 | 23 | 23 | 24 | 23 |
| Cloud Cover | Dense Cloudy | Dense Cloudy | Dense Cloudy | Dense Cloudy | Overcast |
| Max RH I (%) | 90 | 90 | 95 | 95 | 95 |
| Min RH II (%) | 50 | 50 | 50 | 55 | 55 |
| Wind speed (km/h) | 004 | 006 | 004 | 006 | 006 |
| Wind direction | ENE | SE | ESE | SE | ESE |

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 (24 - 30 July , 2018) are as follows:

| Weather Parameter | Udham Singh Nagar | | | | | | |
|----------------------------|-------------------|------------|------------|------------|------------|------------|------------|
| | 24/07/2018 | 25/07/2018 | 26/07/2018 | 27/07/2018 | 28/06/2018 | 29/07/2018 | 30/07/2018 |
| Rainfall (mm) | 0.0 | 68.4 | 10.0 | 1.2 | 22.2 | 67.2 | 32.2 |
| Max Temp (⁰ C) | 31.5 | 34.0 | 29.5 | 31.5 | 30.0 | 28.5 | 32.5 |
| Min Temp (⁰ C) | 27.3 | 24.9 | 25.3 | 26.4 | 25.0 | 24.3 | 23.5 |
| CC I | 6 | 8 | 8 | 8 | 8 | 8 | 8 |
| CC II | 8 | 8 | 8 | 8 | 8 | 5 | 8 |
| Max RH I (%) | 89 | 96 | 93 | 83 | 98 | 92 | 86 |
| Min RH II (%) | 66 | 88 | 82 | 92 | 87 | 66 | 81 |
| Wind speed (km/h) | 5.4 | 3.7 | 3.2 | 2.5 | 16.3 | 6.0 | 3.9 |
| Wind direction I | Calm | ESE | Calm | ESE | ESE | ESE | ENE |
| Wind Direction II | WNW | ENE | ENE | ESE | ENE | SSW | WSW |

Weather Based Agro-Advisories

Crop Management:

- Pulse crops like urd, moong and lobia should be sown in the plain area of tarai-bhawar which is free from water logging till first week of August.
- Urd varieties like Pant urd-31, Pant urd-40, Pant urd-35, Uttara should be sown in lines at 30 cm distance & at 3-4 cm depth. Seed rate should be kept 12-15 kg/ha. Seed should be treated with fungicide and rhizobium culture before sowing.
- Within 2-3 days of transpire of water from the surface of paddy field, irrigation upto 5.7 cm should be done.
- Weeding should be done at 20 and 40 days of transplanting. If availability of human labour is less, 3.0 lit butachlor 50 EC or 1.65 lit anilofos 30 EC or 1.5 lit pretilachlore 50 EC should be sprayed in 500 lit of water within 2-3 days of transplanting. Proper moisture should be available in the field while using the chemicals.
- Late sowing of maize crop should be done till first week of August. For this short duration varieties like Kanchan, Gaurav, Surya, Prakash should be used.
- Proper drainage of water should be maintained in sugarcane field and root should be covered with sufficient soil in the last week of this month.
- Urd varieties like Pant urd 19, Pant urd 35 & Pant urd 31 and moong varieties like Pant moong 4 & Pant moong 5 should be selected for sowing in the second fortnight of July.
- Seed treatment of urd and moong should be done with 2 g thiram and 1 g carbendazim for 1 kg of seed.

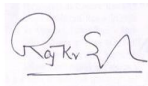
Horticultural Management:

- 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% Carbendazim 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.
- Transplanting of Chilly may be done on the ridge with row to row and plant to plant distance of 50cm and proper drainage should be made because excess amount of water for about 24 hours in the field dried up the crop.
- Keeping in view the monsoon season, proper drainage should be arranged in the field where early variety of Cabbage transplanted followed by weeding and hoeing.

Animal Husbandry:

- After animal's delivery, Gynotone or Utrotone medicine @ 200ml should be given in morning and evening hours for three days to clean the womb.

- Rain water should not be given to the animals.
- To save the animals from infected disease, vaccination should be done before onset of monsoon on the recommendation of veterinarian.
- July month is highly favourable for cattles' delivery. So, it is recommended that their dwelling place should be clean and hygienic.
- Just after delivery, tie the navel of new born baby of cattle by cutting it with sharp and clean knife, then apply Gentian violet paint or tincture iodine.
- Don't leave the animal in the monsoonal rain because this may lead the irritation in the skin of animals.
- Make the necessary arrangements to save the animals during adverse weather.
- Give Vaccination to save the animals from infectious diseases before onset of monsoon.
- Give deworming to the animals on the recommendation of veterinarian.
- Don't give the high dose of green fodder to the horses because high dose of this increase the chances occurrence of Celiac disease.



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