

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 Nainital district are as follows:

| Parameter | Nainital | | | | |
|--------------------------|------------|------------|-------------|-------------|-------------|
| | 12/08/2017 | 13/08/2017 | 14/08/2017 | 15/08/2017 | 16/08/2017 |
| Rainfall (mm) | 30 | 30 | 20 | 10 | 10 |
| Max Temp ($^{\circ}$ C) | 23 | 22 | 22 | 23 | 24 |
| Min Temp ($^{\circ}$ C) | 16 | 16 | 16 | 17 | 17 |
| Cloud Cover | Overcast | Overcast | Dense Cloud | Dense Cloud | Dense Cloud |
| Max RH I (%) | 95 | 95 | 95 | 95 | 95 |
| Min RH II (%) | 65 | 65 | 65 | 65 | 65 |
| Wind speed (km/h) | 014 | 010 | 008 | 006 | 006 |
| Wind direction | NW | WNW | SE | ESE | ESE |

Light to heavy rain may likely to occur from 12th to 16th August 2017 with dense cloudy to overcast sky.

According to the observations recorded at India Meteorological Department Observatory located at Nainital (Altitude: 2084 m) during last seven days (4 – 10 August, 2017), it is observed that state of sky were dense cloudy and maximum and minimum temperature varied between 19.1 $^{\circ}$ C to 22.6 $^{\circ}$ C and 14.4 $^{\circ}$ C to 16.5 $^{\circ}$ C respectively.

Weather Based Agro-Advisories

Crop Management:

- Arrangement of proper drainage should be done in pulses and sugarcane crops.
- In maize and Soyabean crop, thinning should be taken after weeding and hoeing for removing the weed from field.
- If Parnjalak insects appears in Amaranth crop, spray the solution of Methyl-O-demeton or Dimethoate @ 1ml/liter of water or 1.5 ml/liter Quinalphos.
- On the occurrence of stem Borer and Leaf folder in paddy, Chlorantraniliprole 0.4 G @ 10000g/ha or Fipronil 0.3 GR @ 25000/ha or Kartap 4 GR @ 18750 g/ha should be sprayed within 50 days of transplanting.
- Maize sown area which is prone to the occurrence of stem borer, Carbofuran 3CG @ 33kg /ha should be applied in the soil at the time of sowing.
- On the occurrence of shoot borer in the sugarcane crop, 20-25b Kg/Ha chlorpyrifos should be used before or after the irrigation.

Horticultural Management:

- In unirrigated (rainfed) mid hilly regions, arrangement of the seeds of early variety of pea should be done for sowing them in the mid of August. Seed selected for sowing must be treated before sowing. In case of heavy rain sowing of seeds should be done after 15 August and sowing must be completed up to 25 August in the regions at height of about 6000 to 8000 ft above mean sea level.
- In mid hilly region, to control the late blight in late sown potato, solution of Mancozeb @ 2.5 g/liter should be sprayed. In case of intense stage of this disease, solution of the mixture of 64 % Mancozeb + 8 % cymoxanil @ 2.5 g/liter should be sprayed. If the disease cannot be controlled then it should be cut and cover in the pits away from the field. Digging of the potato should be done after 10-15 days of cutting the plants.
- To control the white rotting in french bean and cowpea (lobia), Caerbendazim 1 g/liter should be sprayed.
- Arrangement of drainage after top dressing of urea in the sown/ transplanted crops of cabbage, cauliflower, radish, rai (vegetable), and turnip should be done. On the occurrence of insects in these crops, necessary chemical should be sprayed in the clear weather.
- In Brinjal and Capsicum crop, proper drainage should be maintained in the field during monsoon season and fruit picking should be done timely.
- In hilly regions, if moisture in the soil is more than sufficient, then sowing of radish and rai is done.
- If the leaves of chilly are turning black and upper stipe of chilly crop is rotting after turning black then solution of 0.1% Caerbendazim should be sprayed.
- To control the stem and fruit borer in brinjal, spraying of Emamectin benzoate 5 SG @ 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 chaemicals.
- 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, diafenthuron 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.
- In case of heavy rainfall, it is advised that proper drainage should be made from the basins of fruit plant.
- Evergreen fruit plants like Mango, guava, Lemon, papaya, Litchi etc should be planted in this month.
- Weeding and hoeing operation may be taken up in the Orchard.

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.
- If there is an infestation of lice in animals, 1% Sumithione should be sprayed.
- 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, Melathiyan 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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