

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				
	09/09/2017	10/09/2017	11/09/2017	12/09/2017	13/09/2017
Rainfall (mm)	2	2	10	10	15
Max Temp ( <sup>0</sup> C)	24	22	22	23	24
Min Temp ( <sup>0</sup> C)	16	16	16	15	15
Cloud Cover	Cloudy	Dense Cloud	Dense Cloud	Cloudy	Cloudy
Max RH I (%)	85	90	90	85	85
Min RH II (%)	60	65	65	60	55
Wind speed (km/h)	008	006	004	004	004
Wind direction	NW	NW	SE	SE	SE

According to the observations recorded at India Meteorological Department Observatory located at Nainital (Altitude: 2084 m) during last seven days (1 – 7 Sept, 2017), it is observed that state of sky were cloudy to dense cloudy and maximum and minimum temperature varied between 20.4<sup>0</sup>C to 24.2<sup>0</sup>C and 13.0<sup>0</sup>C to 15.3<sup>0</sup>C respectively.

### Weather Based Agro-Advisories

#### Crop Management:

- Weed management and proper drainage should be done in the pulse crops.
- Three cluster of sugarcane should be tied together.
- If the leaves of paddy crops from tip to bottom are drying after turning yellow, then 15 g streptomycin + 500 g Copper Oxichloride in 500 liter of water per hectare should be sprayed.
- On the occurrence of red colour oval spot on the leaves of maize, solution of 1.5 kg mancozeb per hectare should be sprayed.
- If brown coloured circular spot are observed in the leaves of paddy then, 1250 g coper oxichloride or 1.5-2.0 kg propinop per hectare should be sprayed.
- In paddy crop, weed management and proper storage of water should be done.
- 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.

### **Horticultural Management:**

- In irrigated valleys, sowing of radish and turnip should be completed in this month for domestic use.
- In unirrigated mid hills, radish varieties like Meenu early, Japanese white, Pusa Himani and early varieties of Saljam like Parpiltop, white glow should be sown at the earliest.
- Proper drainage of water should be maintained in standing crop of potato. Digging of crop should be done in the proper moisture condition and send tubers to the market.
- On the occurrence of mildew on the stems and leaves of french beans, solution of 500g carbendazim in 500 liter of water per hectare should be sprayed.
- If cabbage, cauliflower, radish and turnip are sown or transplanted earlier and crops ready then it should be send to the market after harvesting.
- In temperate fruits, 1 % Caustic soda should be sprayed to remove the lichen from stem and branches of the trees.
- 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:**

- 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).
- 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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