

# 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				
	28/10/2017	29/10/2017	30/10/2017	31/10/2017	01/11/2017
Rainfall (mm)	0	4	2	0	0
Max Temp ( <sup>0</sup> C)	20	20	21	21	20
Min Temp ( <sup>0</sup> C)	11	10	10	10	10
Cloud Cover	Cloudy	Cloudy	Cloudy	P-Cloudy	Clear
Max RH I (%)	85	85	85	85	85
Min RH II (%)	45	50	50	45	45
Wind speed (km/h)	004	006	006	004	006
Wind direction	SE	ESE	SE	ESE	SE

According to the observations recorded at India Meteorological Department Observatory located at Nainital (Altitude: 2084 m) during last seven days (20 – 26 Oct, 2017), it is observed that state of sky were cloudy to dense cloudy and maximum and minimum temperature varied between 20.7<sup>0</sup>C to 22.0<sup>0</sup>C and 7.8<sup>0</sup>C to 10.2<sup>0</sup>C respectively.

### Weather Based Agro-Advisories

#### Crop Management:

- Harvesting of Kharif crops like Paddy, Moong bean, Urd bean and Soyabean should be done.
- Sowing of Mustard crop should be done.
- Field should be prepared for sowing rabi crops.
- Seed should be treated before sowing of rabi crops.
- Seeds of wheat should be treated by Carboxin @ 2g/kg seeds or Tebuconazole @ 1.5g/kg seeds.
- Seeds of Pulse crop should be treated with 2g Thyrum + 1g Carbendazim / Kg of seed and oilseed crops should be treated with Metalaxyl @ 6 g/Kg seed.

#### Horticultural Management:

- In high hills, picking and packing of apple should be done.
- Falling leaves of fruit trees like apple, pear, peach, plum etc should be collected in the pit and infected leaves should be destroyed by burning them.

- Basin of temperate fruits should be cleaned and layout should be prepared for transplanting the orchard.
- To save the Pea crop from stem fly, Carbofuran 3 CG @ 25Kg/Ha should be applied in the field with manure and seed at the time of sowing the seed.
- On the occurrence of fruit borer in the Tomato, Chlorantraniliprole 18.5 SC @ 150ml/Ha or Indoxacarb 14.5 SC @ 500ml/Ha should be used.
- On the attack of White fly in tomato, Cyantraniliprole 10.26 OD @ 900ml/Ha or Thiamethoxam 25 WSG @ 200g/Ha should be applied.
- If Rai plants are transplanted earlier then, after 15-20 days, light irrigation followed by top dressing of Urea should be done in the evening.
- If Rai plants are ready for transplanting then these plants should be transplanted at a distance of 50cm X 40cm in the evening.
- On the shrinkage of leaves in the tomato crop, infected plants should be removed and destroyed and spraying of any sarvangi insecticide should be done.
- In mid hills, plucking of brinjal and capsicum should be done and disease infected fruit of leaves should be kept away from field.

### **Animal Husbandry:**

- Vaccination of FMD (Foot and Mouth Disease) should be given to the animals.
- Foot and Mouth Disease is identified by red eyes, high fever, less productivity and food taken capacity, Mouth ulcers, wound in foot due to delay in the treatment of animals. Infected animals should be separated from healthy animals.
- Keeping in mind the probable high rate of Cattle's delivery in this month, especially in Buffalo, animal shed should be well neat, clean, dry and ventilated. For this, dry Lime should be sprayed in the nearby places.
- In case of new born, placenta should be cut with new blade and tie a knot in that. Don't forget to apply Betadine or Tincher on the cut.
- Toxocara vitulorum (patera) are found in the food tube of buffalo calf in the age of 1-4month. More than 50% buffalo calf should be died because of delay in treatment. Piperazine should be given to the infected calf on identification of Patera disease.
- To save the buffalo calf from patera disease, 10-15 CC Neem oil should be given to the calf immediately after 10 days of his birth. Again after 10 days, 10-15 CC Neem oil should be given. Chenopodium album oil
- It is advised that green fodder can be given to the animals by mixing it in dry fodder otherwise animal may be infected by Timpeti disease which causes death of animals.

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