

# 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				
	15/02/2017	16/02/2017	17/02/2017	18/02/2017	19/02/2017
Rainfall (mm)	0	0	0	0	0
Max Temp ( $^{\circ}$ C)	17	18	18	17	16
Min Temp ( $^{\circ}$ C)	07	07	07	08	08
Cloud Cover	Clear	P-Cloudy	Cloudy	Cloudy	Dense Cloud
Max RH I (%)	85	85	85	85	85
Min RH II (%)	45	40	45	50	50
Wind speed (km/h)	006	008	010	010	008
Wind direction	NW	NW	WNW	NW	NW

According to the observations recorded at India Meteorological Department Observatory located at Nainital (Altitude: 2084 m) during last seven days (07-13 Feb, 2017), it is observed that state of sky were clear to dense cloudy and rainfall of 0.2 mm was received. Maximum and minimum temperature varied between  $12.0^{\circ}$ C to  $18.6^{\circ}$ C and  $3.0^{\circ}$ C to  $7.9^{\circ}$ C respectively.

### Weather Based Agro-Advisories

#### Crop Management:

- Sowing of spring sugarcane crop in plain should be done from 15<sup>th</sup> February to 15<sup>th</sup> March.
- Recommended variety of sugarcane should be taken according to your region.
- Seed treatment of sugarcane pieces should be done. Treatment should be done by dipping the pieces in 0.25% solution of agallol or emisan-6 for 10 minutes.
- Harvesting of mustard and toria crop should be done.
- Weeding, hoeing, irrigation and nutrients should be applied in the wheat crop.
- Preparation for sowing spring season sugarcane crop should be done.
- On the occurrence of Mahu insect in the wheat crop, Thiamethoxam 25WSG @50g/Ha or Quinolphos 25 EC @ 1liter/Ha should be sprayed.
- On the occurrence of yellow ratva disease in wheat crop, solution of Propiconazole 25EC @ 1ml/liter of water should be sprayed.
- On the occurrence of Mahu in the mustard crop, Thiamethoxam 25 WSG @ 50-100g/Ha should be sprayed and its waiting period is 21 days.

#### Horticultural Management:

- On the occurrence of Purple blotch disease in onean and garlic crop in valleys, 25g Blaitox chemical in 10 liter of water should be sprayed.
- In mid and high hilly areas, seeds and tuber should be treated in 0.25% solution of Mencozeb for half an hour and dried in the shed and keep them for sowing in the March month.
- On the occurrence of leaf miner insect in pea crop, 0.08% Imadacloprid chemical should be sprayed.
- To control the late blight disease in tomato, Mancozeb 75% WP @ 2.5g/liter should be sprayed.
- To control the Ratva disease in Pea crop, Mancozeb 75% @ 2.5g/liter or Propiconazol @ 1ml/Liter should be sprayed.
- Ensure the nutrient supply in the temperate fruit trees in mid and high hills.
- To control the leaf curl disease in the seed bearing fruit like Peach, plum etc recommended insecticide should be used.
- Tongue grafting should be started in the nursery for high quality temperate fruit plant.
- Sowing of fruit crops like-apple, pear, plum, wall nut etc should be started.
- Basin should be prepared in the temperate fruit plants and right quantity of dung manure, Nitrogen and Phosphorous should be applied in the field.
- To control the Canker disease in the apple, 0.3% Copper-oxichloride should be used after cutting and pruning. Unwanted and affected branches of apple should be removed through pruning and insecticide and fungicide should be sprayed.
- To control the fruit Rot disease in apple and seed bearing fruits, soil should be removed from the surrounded area of stem in the affected fruit tree so that sun rays may enter directly in the stem of affected tree. Affected bark should be removed and chaubatia paste should be applied and covered with soil. Drenching of 0.3 % Copper-oxichloride/plant should also be done.
- In high hills, pruning of temperate fruit trees like apple, pear, peach, plum etc should be done.

#### **Animal Husbandry:**

- Maintain the temperature of dwelling place of poultry birds. To save the poultry bird from cold, thickness of bedding material should be increases so that they can get sufficient heat to maintain their temperature.
- To save the animals from cold, proper arrangement of animal shed should be done. To save the animal from cold, dry grasses, paddy residue (Puwal) etc which are not used as fodder for animals should be used as a bedding material for animals in sheds. Door and window should be covered properly so that cold wind could not be entered in the animal shed.
- Sitting place of animals should be leveled so that their productive capacity is not affected and special care should be given to the new born animals.
- To save the animal from cold, increase the amount of oil and Jaggery (Gur) in the food of animals. Caraway (Ajwain) and gur also be given to the animals.
- Keeping in mind the probable high rate of Cattle's delivery, animal shed should be well neat, clean, dry and ventilated. For this, dry Lime should be sprayed in the nearby places.
- 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, 10-15Cc 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 can also be given as a fodder to animals to save the calf/animals from patera disease.

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