

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				
	22/03/2017	23/03/2017	24/03/2017	25/03/2017	26/03/2017
Rainfall (mm)	0	0	0	0	0
Max Temp ( $^{\circ}$ C)	19	19	20	20	21
Min Temp ( $^{\circ}$ C)	07	08	08	08	09
Cloud Cover	Partly Cloudy	Partly Cloudy	Partly Cloudy	Partly Cloudy	Partly Cloudy
Max RH I (%)	70	75	75	70	75
Min RH II (%)	30	30	30	30	30
Wind speed (km/h)	008	006	006	006	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 (14-20 March, 2017), it is observed that state of sky were clear to cloudy and no rainfall was received in the region. Maximum and minimum temperature varied between  $14.2^{\circ}$ C to  $18.5^{\circ}$ C and  $1.1^{\circ}$ C to  $5.6^{\circ}$ C respectively.

### Weather Based Agro-Advisories

#### Crop Management:

- On the occurrence of powdery mildew disease in wheat crop, solution of Propiconazole 25EC @ 1ml/liter of water should be sprayed.
- Irrigation should be applied in the wheat crop. On the occurrence of insect and pest diseases, spraying of recommended insecticides and pesticides should be used.
- Harvesting and threshing should be done in the mustard crop.
- Sowing of spring season sugarcane crop should be completed till end of the March.
- Recommended variety of sugarcane should be taken according to your region.
- Seed treatment 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.
- To control the termite in the sugarcane crop, 5 meter Gamma BHC or Lindane should be sprayed over sugarcane pieces and pieces should be covered through soil.

- To control the weed in sugarcane crop, 2 kg vello K4 in 750 liter of water should be used within 3 days or after 15 days of sowing.
- If vello K4 is not available then 4Kg atrazine or 2Kg metribuzin in 750 liter of water can also be sprayed within 3 days of sowing.
- 120 Kg Nitrogen, 60 Kg Phosphorous and 40 Kg Potash are used for spring season sugarcane crop, 1/3<sup>rd</sup> dose of Nitrogen and complete dose of phosphorous and potash should be used as basal application.
- For sowing sugarcane crop in per hectare of field 40-45 thousand pieces of three eyes sugarcane should be used.
- 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 Mahu in the mustard crop, Thiamethoxam 25 WSG @ 50-100g/Ha should be sprayed and its waiting period is 21 days.

### **Horticultural Management:**

- If seedlings of tomato, capsicum and brinjal are ready in the valley region then it should be transplanted as per recommendations for the region.
- In mid hilly regions, seeds of tomato, capsicum and brinjal should be sown in the polyhouse or polynet.
- In irrigated valley regions, Arka komal or Contender variety of French bean should be sown.
- Kufri Jyoti variety of potato should be sown in the valley regions. If potato were sown in the month of February and it would be germinated then cover it with soil and irrigate them.
- In high hilly regions, sowing of potato should be done and immediate after covering the soil, thick layer of mulch should be spread.
- To control the blight disease in tomato, Mancozeb 75% WP @ 2.5g/liter should be sprayed.
- Cutting and pruning should be completed in the orchard.
- Insecticides and pesticides should not be used at the time of flowering because this can be harmful for the honeybee's life.
- In high hilly regions where snow is melting, first half dose of Nitrogen fertilizer should be applied in the basins of temperate fruit trees.
- For pollination, at the time of flowering in the orchard of different varieties of temperate fruits, keep the boxes of bee @ 2-3/Ha.

### **Animal Husbandry:**

- For obtaining the high production from poultry birds, temperature of their dwelling place should be maintained. Balanced diet, fresh and neat water should be given to them.
- 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.
- 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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