

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				
	01/04/2017	02/04/2017	03/04/2017	04/04/2017	05/04/2017
Rainfall (mm)	0	0	0	0	5
Max Temp ($^{\circ}$ C)	27	26	27	27	24
Min Temp ($^{\circ}$ C)	13	12	12	13	11
Cloud Cover	P-Cloudy	Cloudy	P-Cloudy	P-Cloudy	Dense Cloud
Max RH I (%)	70	70	70	80	80
Min RH II (%)	30	30	30	40	40
Wind speed (km/h)	08	06	06	06	10
Wind direction	NW	NW	NW	W	SE

According to the observations recorded at India Meteorological Department Observatory located at Nainital (Altitude: 2084 m) during last seven days (24-30 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 24.7° C to 27.2° C and 10.2° C to 13.2° C respectively.

Weather Based Agro-Advisories

Crop Management:

- In spring season sugarcane crop, field should be irrigated after one week of hoeing at the tillering stage and solution of metribuzin / atrazine @ 2Kg/1000 liter of water should be sprayed.
- Necessary irrigation should be applied in the field of winter season sugarcane crop. Remaining 1/3rd dose of nitrogen should be given and weed control should be done.
- Cutting and hoeing of pulses crop should be done.
- On the occurrence of powdery mildew disease in wheat crop, solution of Propiconazole 25EC @ 1ml/liter of water should be sprayed.
- Harvesting and threshing should be done in the mustard crop.
- On the occurrence of Mahu insect in the wheat crop, Thiamethoxam 25WSG @50g/Ha or Quinolphos 25 EC @ 1liter/Ha should be sprayed.

Horticultural Management:

- Transplanting of the seedlings of tomato, brinjal and capsicum should be done in the afternoon in the region of height less than 6000 ft. Irrigation should be given after transplanting. Thick layer of organic mulch should be spread over transplanted seedlings for moisture conservation.
- Top dressing of urea should be done after 20-25 days of germinated crop of potato and cover them with the soil. 8-10 cm thick layer of mulch should be spread in the drain for moisture conservation.
- In valley, if pea crop are ready then plucking of green pod should be done.
- In irrigated valley regions, Arka komal or Contender variety of French bean should be sown.
- To control the blight disease in tomato, Mancozeb 75% WP @ 2.5g/liter should be sprayed.
- On the occurrence of mango hopper after fruit setting, Imidacloprid @ 3 ml/10 liter should be sprayed in the mango.
- On the occurrence of fruit set in the seed bearer fruits like peach, plum, khumani etc, hail proof net should be used to save them from the hail.
- In unirrigated condition, half dose of nitrogen should be used in the basins and mulching should be applied for moisture conservation.
- To save the apple from apple scab disease in high hilly regions, necessary spraying of recommended chemical should be done.

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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