

# 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				
	03/05/2017	04/05/2017	05/05/2017	06/05/2017	07/05/2017
Rainfall (mm)	0	3	5	0	0
Max Temp ( <sup>0</sup> C)	26	25	24	25	26
Min Temp ( <sup>0</sup> C)	14	15	14	14	14
Cloud Cover	Cloudy	Dense Cloud	Dense Cloud	Cloudy	Cloudy
Max RH I (%)	80	85	90	85	85
Min RH II (%)	40	50	55	50	50
Wind speed (km/h)	06	06	10	08	08
Wind direction	ESE	SE	NNW	ESE	SE

According to the observations recorded at India Meteorological Department Observatory located at Nainital (Altitude: 2084 m) during last seven days (25 April-1 May, 2017), it is observed that state of sky were clear to partly cloudy and 13.6 mm rainfall was received in the region. Maximum and minimum temperature varied between 19.0<sup>0</sup>C to 26.6<sup>0</sup>C and 7.6<sup>0</sup>C to 10.8<sup>0</sup>C respectively.

### Weather Based Agro-Advisories

#### Crop Management:

- Harvesting and threshing of wheat and pulse crops should be completed at the earliest.
- Deep ploughing of fields should be done for sowing paddy crop after threshing of wheat and bunding should be done.
- Proper arrangement should be done for irrigation, weed management and nutrients for winter and spring season sugarcane crops.
- For maximum utilization of fodder crop nitrogen should be applied after irrigation in the fodder crops.
- To control the weed in the spring season sugarcane crop Velpar K-4 @ 2Kg/800lit of water at 2-3 leaf stage within 2-3 days of sowing or at 15-20days should be sprayed.
- Irrigation should be given after weeding and hoeing in the sugarcane crop and nitrogen should also be applied.
- Arrangement of irrigation should be done for the fodder crops.
- 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 1/3<sup>rd</sup> dose of nitrogen should be given and weed control should be done.

### **Horticultural Management:**

- If onion and garlic crops are ready and leaves are falling on the surface then irrigation should be stopped and digging should be done in the upcoming 15-20 days.
- If seedlings of tomato, brinjal and capsicum are transplanted one month prior then top dressing of Urea should be done and moisture conservation should also be done.
- Plucking of pea should be done in the mid hilly regions.
- In high hilly regions, top dressing of Urea should be done in potato crop and cover them with soil and organic mulch should be used for moisture conservation. Thickness of mulch should be 8-10 cm.
- In mid hilly regions, to save the standing crop like rai, cabbage, cauliflower or raddish from hail, nylon net should be used.
- On the occurrence of yellow spot of irregular shape on cucurbitaceous crops, leaves should be examined by turning and if there is a growth of light gray fungus in the lower portion of leaves then it should be controlled by spraying the solution of Mancozeb @ 2.5 Kg/ Liter.
- If the veins of leaves of okra crop are turning yellow, then destroy the plants and Sarvangi insecticide should be sprayed to control the juice sucking insects.
- If the upper part of the Onion leaf turns yellow then to control it, solution of Difenconazole @ 1ml/liter + Fipronil 5% SC @ 1lit/Ha and Sticker @ 0.5 ml/lit should be sprayed.
- On the occurrence of fine mottled spot in upper leaves of chilly and tomato, Sarvangi insecticide at 10-15 days interval should be used.
- To control the powdery mildew in mango, solution of 0.1 % carbendazim 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.
- To save the apple from apple scab disease in high hilly regions, necessary spraying of recommended chemical should be done.

### **Animal Husbandry:**

- In the summer season, time to time spraying of melathiyani or other insecticide should be done in the drains near the animal shed.
- Temperature of animal shed should be maintained using cooling devices such as fan, cooler or latest cooling device to maintain the productivity of foreign cows and save them from diseases.
- When animal is affected by sun stroke then contact the veterinarian immediately for their remedy.
- Neat, fresh and cold water should be given to the animals three times in a day. Availability of sufficient moisture in the body of animals maintains the balance between the temperature of their skin and environment which save the animals from the effect of loo (summer wind).
- To save the animals from high temperature, balanced diet should be given to the animals. Green fodder mixed with dry fodder and grain must be given to the animals.
- Buffalo should be kept in the animal shed from 9 AM to 6 PM, to save them from sun.

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