

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				
	31/05/2017	01/06/2017	02/06/2017	03/06/2017	04/06/2017
Rainfall (mm)	8	8	5	0	0
Max Temp (⁰ C)	23	24	24	25	26
Min Temp (⁰ C)	12	12	13	13	14
Cloud Cover	Cloudy	Cloudy	Cloudy	P-Cloudy	P-Cloudy
Max RH I (%)	85	85	80	75	75
Min RH II (%)	45	45	40	35	35
Wind speed (km/h)	08	08	06	08	12
Wind direction	SE	SE	ESE	NW	NW

Light rain may likely to occur from 31st May to 2nd June 2017 with partly to clouded sky.

According to the observations recorded at India Meteorological Department Observatory located at Nainital (Altitude: 2084 m) during last seven days (23-29 May, 2017), it is observed that state of sky were clear to cloudy and 30.6 mm rainfall was received in the region. Maximum and minimum temperature varied between 21.0⁰C to 25.7⁰C and 9.7⁰C to 14.8⁰C respectively.

Weather Based Agro-Advisories

Crop Management:

- Bunding of the field should be done for nursery preparation of paddy.
- Preparation of nursery of paddy should be completed up to first week of June.
- Pure seeds of paddy should be used for nursery i.e. weeds should not be mixed in the seeds.
- Arrangements for safety of crops should be done to save them from insect-pest attack.

Horticultural Management:

- In mid hilly regions, to save the apple from rotting, plenofix @ 10ppm should be sprayed.
- Picking of early variety of peach, plum and khumani should be done and send them to the market.
- In high hilly regions, to control the scab disease on the falling of pankhuri of flower in apple crop, Carbendazim 0.05 % should be used.
- In valley, digging of potato, onion and garlic should be done if crops are ready.
- In valley, picking up the green pods of French bean should be done.

- In valley, to control the insects in the standing crop of tomato and capsicum, Melathiyani (15ml/10liter of water) and to control the blight disease, Mancozeb (20g/10liter of water) should be sprayed in the day time under proper sunny condition.
- In mid hilly regions, to control the blight disease in potato crop, Mancozeb should be sprayed.
- If the leaves of french bean and cowpea (lobia) shrink then sarvangi insecticide should be sprayed.
- 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.
- On the occurrence of fine mottled spot in upper leaves of chilly and tomato, Sarvangi insecticide at 10-15 days interval should be used.

Animal Husbandry:

- On the occurrence of nitrate toxicity in the food of animals, respiration and pulse rate of animals increases and they feel weakness and stiffness in their muscles. Give the 50-100 ml dose of 1% Methylene blue direct in the veins of animals if their food is affected by nitrogen toxicity.
- If animal has consumed the cyanide affected fodder then water should not be given to them. Animals should be kept away from grazing of less grown jawar, bajara, fodder in pasture.
- Small shrivel/fade yellow stiff plants should not be used as fodder for animals to save them from cyanide.
- 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.

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