

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				
	07/10/2017	08/10/2017	09/10/2017	10/10/2017	11/10/2017
Rainfall (mm)	0	0	0	0	0
Max Temp ( <sup>0</sup> C)	24	24	23	23	22
Min Temp ( <sup>0</sup> C)	15	15	15	14	14
Cloud Cover	P-Cloudy	P-Cloudy	P-Cloudy	Cloudy	Cloudy
Max RH I (%)	85	85	85	90	90
Min RH II (%)	45	45	45	50	50
Wind speed (km/h)	004	006	006	006	008
Wind direction	WNW	NW	SE	ESE	ESE

According to the observations recorded at India Meteorological Department Observatory located at Nainital (Altitude: 2084 m) during last seven days (29 Sept – 05 Oct, 2017), it is observed that state of sky were cloudy to dense cloudy and maximum and minimum temperature varied between 22.0<sup>0</sup>C to 23.8<sup>0</sup>C and 12.4<sup>0</sup>C to 14.1<sup>0</sup>C respectively.

### Weather Based Agro-Advisories

#### Crop Management:

- To control the bacterial leaf blight disease in paddy crop, streptomycin 15 g + copper oxichloride 500 g / hectare should be sprayed.
- Three cluster of sugarcane should be tied together.
- In paddy crop, weed management and proper storage of water should be done.
- On the occurrence of stem Borer and Leaf folder in paddy, Chlorantraniliprole 0.4 G @ 10000g/ha or Fipronil 0.3 GR @ 25000/ha or Kartap 4 GR @ 18750 g/ha should be sprayed within 50 days of transplanting.
- If the paddy crop was affected by the occurrence of Brown Plant Hopper or White Backed Plant Hopper occurred then it is advised that Buprofezin 25 SC @ 1lit/Ha or Fipronil 5 SC @ 1 lit/Ha or Clothianidin 50 WDG @ 30 g/Ha or Thiamethoxam 25 WSG @ 100g/Ha should be dissolved in 500 liter of water and spray in the stem of plant.

### **Horticultural Management:**

- In high hills, pea vegetables are in the stage of fruiting or fruiting is almost done. So, after hoeing, 2 cm thick layer of mulch should be prepared to conserve the moisture between the spaces of two lines. With the help of this method, not only quality of vegetable increase but their production also increases by 20-40 %.
- If Rai plants are ready for transplanting then these plants should be transplanted at a distance of 50cm x 40cm.
- If fields are ready in the valley, then variety of Potato like Kufri Ashoka or Kufri Jyoti should be sown. It should be kept in mind that field should not be under highly moist condition while sowing the seeds.
- On the shrinkage of leaves in the tomato crop, infected plants should be removed and destroyed and spraying of any sarvangi insecticide should be done.
- In mid hills, plucking of brinjal and capsicum should be done and disease infected fruit of leaves should be kept away from field.

### **Animal Husbandry:**

- Vaccination of FMD (Foot and Mouth Disease) should be given to the animals.
- In green fodder, leguminous fodder is best diet for animals and to increase production. So it is advised that cattleman should grow leguminous fodder (berseem) to keep their cattle healthy and to obtain maximum production from them.
- In this month, rate of animal's delivery especially in buffalos increases. The pregnant animals should be separated from other animals if possible and complete diet in little quantity at many times in a day should be given to them otherwise they can be affected by afra (fatty liver).
- Just after delivery, tie the navel of new born baby of cattle by cutting it with sharp and clean knife, then apply Gention violet paint or tincture iodine.
- Within 2 hours of animal's delivery, little quantity of colostrums should be given to the new born baby of cattle after their proper cleaning.
- Green fodder should be given in less quantity to the animals. It is advised that green fodder can be given to the animals by mixing it in dry fodder.
- Drinking water should be clean because there is a possibility of occurrence of viruses due to parasite and fungus.
- Animal shed should be dried, for this; lime should be sprayed time to time in their places.

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