

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				
	06/10/2018	07/10/2018	08/10/2018	09/10/2018	10/10/2018
Rainfall (mm)	0	0	0	0	0
Max Temp ( <sup>o</sup> C)	23	23	23	22	22
Min Temp ( <sup>o</sup> C)	10	10	11	11	12
Cloud Cover	P-Cloudy	P-Cloudy	Clear	P-Cloudy	P-Cloudy
Max RH I (%)	85	80	75	70	75
Min RH II (%)	40	40	35	35	40
Wind speed (km/h)	004	004	004	006	004
Wind direction	NW	WNW	WNW	WNW	WNW

According to the observations recorded at India Meteorological Department Observatory located at Nainital (Altitude: 2084 m) during last seven days (28 Sept – 4 Oct, 2018), it is observed that state of sky was p-cloudy to cloudy. Maximum and minimum temperature varied between 22.2<sup>o</sup>C to 23.3<sup>o</sup>C and 10.3<sup>o</sup>C to 13.3<sup>o</sup>C respectively.

### Weather Based Agro-Advisories

#### Crop Management:

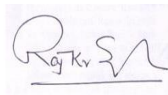
- Sowing of rai and yellow mustard should be done in the first fortnight of October. Sowing should be done at the depth of 4-5 cm, line to line and plant to plant distance should be 45 cm and 10 cm respectively. Seed rate for sowing rai crop should be 4-5 kg/ha.
- Seed treatment should be done with thiram 2.5 g/kg of seed.
- To control the weed in rai field, Pendimethalin 30 EC @ 3.3 liter/800-1000 liter of water/ha should be sprayed just after the sowing & before germination.
- Sowing of winter season sugarcane crop should be done up to 15<sup>th</sup> October.
- To control the brown leaf spot in paddy crop, solution of mancozeb @ 2.5 g/lit of water should be sprayed.
- To control the leaf blight disease in maize crop, mancozeb @ 2.5g/lit of water should be sprayed.

### **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.
- In mid and high hills, basin should be used in pea, radish, cabbage, cauliflower crops to conserve the moisture after hoeing.
- In valley, cabbage and cauliflower snowball should be transplanted in irrigated condition for domestic consumption.
- To control the root and stem joint rot disease in tomato and chilly, irrigate the roots of the crops with the solution of trichoderma @ 10 g/lit or carbendazim @1 g/lit of water.
- If growth of white fungus is observed and there is the rotting of pods in French bean, solution of carbendazim @ 1g/lit of water should be sprayed.
- Basins of temperate fruit trees should be clean and layout of new orchard should be prepared.
- Collect and fill the falling leaves of fruit trees like apple, pear, peach, plum etc in the pit and destroy the infected leaves.

### **Animal Husbandry:**

- 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.
- 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).
- 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.
- Vaccination of FMD (Foot and Mouth Disease) should be given to the animals.



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