

# ग्रामोभ्युदयादेव देशोभ्युदयः

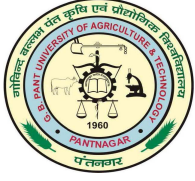
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## Gramin Krishi Mausam Sewa Bulletin, District - Nainital

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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				
	18/04/2018	19/04/2018	20/04/2018	21/04/2018	22/04/2018
Rainfall (mm)	2	0	0	15	5
Max Temp ( <sup>0</sup> C)	25	25	25	22	23
Min Temp ( <sup>0</sup> C)	11	11	12	11	10
Cloud Cover	P-Cloudy	P-Cloudy	P-Cloudy	Dense Cloudy	Cloudy
Max RH I (%)	80	80	75	90	90
Min RH II (%)	35	35	40	45	45
Wind speed (km/h)	008	006	008	010	008
Wind direction	NNW	NW	NNW	SE	NW

Light rain on 18<sup>th</sup> & 22<sup>nd</sup> April and moderate rain on 21<sup>st</sup> April with cloudy to dense cloudy sky may likely to occur.

According to the observations recorded at India Meteorological Department Observatory located at Nainital (Altitude: 2084 m) during last seven days (10 – 16 April, 2018), it is observed that state of sky were clear, p-cloudy to dense cloudy and rainfall of around 18.4 mm was received. Maximum and minimum temperature varied between 16.2<sup>0</sup>C to 24.2<sup>0</sup>C and 7.5<sup>0</sup>C to 11.8<sup>0</sup>C respectively.

### Weather Based Agro-Advisories

#### Crop Management:

- To control the root and stem rot diseases in french bean and lobia, carbendazim @ 500g/ha should be used.
- In mid hills, sowing of varieties of barnyard millet (jhangora) like- Madeira 172, VL Madeira 207, PRJ 1 should be done 25 cm distance from line to line and 10 cm from plant to plant in April. 8-10 Kg/ ha seeds is required. N:P:K in the ratio 40:20:20 should be used. Half dose of Nitrogen and full dose of phosphorous and potash should be used at the time of sowing. Remaining half dose of nitrogen should be used after one month of sowing as top dressing.
- Compost should be mixed in the field properly @ 100 q/ha or 2 q/naali at the time of sowing of barnyard millet, If compost is not available then vermin compost should be used @ 50 q/ha or 1 q/naali.

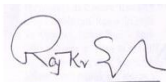
- To control the weed in jhangora, solution of 2, 4 D sodium salt @ 650g/ha in 500 lit of water should be sprayed after 20-25 days of sowing.
- Seeds of barnyard millet should be treated with carbendazim @ 2g/kg of seed before sowing.

### **Horticultural Management:**

- To control the leaf blight disease in onion, tebuconazole or difinoconazole or propiconazole @ 500ml/ha with any sarvangi insecticide and sticker should be sprayed.
- Transplanting of brinjal, tomato and capsicum should be done in high hills and availability of life saving water should be done to the plants. Necessary arrangements should be done for moisture conservation.
- Apply soil after top dressing of urea in potato crop and necessary irrigation should be given.
- To control the viral borne disease in chilly and tomato crop, infected plants should be removed and destroyed.
- On the occurrence of contracted piebald leaves in chilly and tomato, infected plants should be removed and destroyed. To control the juice sucking insect in these crops, sarvangi insecticide should be sprayed. To save the crop from late blight disease, it is advised that solution of Mancozeb @ 2.5g/liter or copper oxichloride @ 3g/lit of water should be sprayed.

### **Animal Husbandry:**

- Lambs should be vaccinated against Enterotoxemia and Sheep Pox.
- Due attention should be given to arrangements for provision of water to animals. The drinking troughs should be kept clean and animals should be provided water at least four times during the day.
- Look for signs of Mastitis in dairy cattle and treat for it immediately.
- This month is characterised by high temperatures, the resultant effects of which on animals is dehydration, a decrease in body salts and appetite, a drop in production etc. It is, therefore, imperative to protect the animals from these high temperatures.
- 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.
- 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.



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