

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				
	01/08/2018	02/08/2018	03/08/2018	04/08/2018	05/08/2018
Rainfall (mm)	45	45	40	50	25
Max Temp ( $^{\circ}$ C)	20	21	22	22	21
Min Temp ( $^{\circ}$ C)	14	13	14	14	13
Cloud Cover	Dense Cloudy	Dense Cloudy	Dense Cloudy	Dense Cloudy	Dense Cloudy
Max RH I (%)	90	90	95	95	95
Min RH II (%)	50	50	50	55	55
Wind speed (km/h)	004	006	004	006	006
Wind direction	ENE	SE	ESE	SE	ESE

**Moderate rain with dense cloudy sky may likely to occur in coming five days.**

According to the observations recorded at India Meteorological Department Observatory located at Nainital (Altitude: 2084 m) during last seven days (24 - 30 July, 2018), it is observed that state of sky were cloudy to dense cloudy. Maximum and minimum temperature varied between  $16.7^{\circ}$ C to  $23.6^{\circ}$ C and  $14.6^{\circ}$ C to  $15.8^{\circ}$ C respectively.

### Weather Based Agro-Advisories

#### Crop Management:

- To control the weed in transplanted paddy, solution of pretilachlor 50 EC @ 1.5-2.0 lit/500 lit of water or solution of butachlor (50 EC) @ 3 liter/ 750 liter of water should be sprayed within 3 days of transplanting. *or*
- Solution of cyhalofop-butyl 10 EC @ 1lit/500 lit of water should be used to control the weed in transplanted paddy, after 20-25 days of transplanting.
- Bispyribac Sodium 10EC (Nominee gold) @ 200-250 ml /500 liter of water should be sprayed after 20-25 days of transplanting. *or* Metsulfuron-methyl 10% + chlorimuron ethyl 10% WP @ 20g/500liter of water should be sprayed after 20-25 days of transplanting or on the emergence of 3-4 leaves. It controls the broad leaf and motha class weeds.

- Weeds should be removed from the sugarcane field and irrigation and drainage should be maintained.

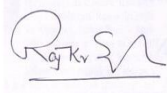
### **Horticultural Management:**

- In unirrigated (rainfed) mid hilly regions, arrangement of the seeds of early variety of pea should be done for sowing them in the mid of August. Seed selected for sowing must be treated before sowing. In case of heavy rain sowing of seeds should be done after 15 August and sowing must be completed up to 25 August in the regions at height of about 6000 to 8000 ft above mean sea level.
- In mid hilly region, to control the late blight in late sown potato, solution of Mancozeb @ 2.5 g/liter should be sprayed. In case of intense stage of this disease, solution of the mixture of 64 % Mancozeb + 8 % cymoxanil @ 2.5 g/liter should be sprayed. If the disease cannot be controlled then it should be cut and cover in the pits away from the field. Digging of the potato should be done after 10-15 days of cutting the plants.
- To control the white rotting in french bean and cowpea (lobia), Carbendazim 1 g/liter should be sprayed.
- 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 the upper stipe of chilly crop is drying after turning black, then infected branches should be removed by plucking to save the crop and to save the crop from rotting solution of 0.1% Carbendazim should be sprayed.
- On the occurrence of spot on the leaves of tomato and scorching of leaves, solution of mancozeb @ 2.5 g/lit of water should be sprayed.
- On the rotting of capsicum, solution of mancozeb @ 2.5 g/lit of water should be sprayed.
- 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.
- In case of heavy rainfall, it is advised that proper drainage should be made from the basins of fruit plant.
- Evergreen fruit plants like Mango, guava, Lemon, papaya, Litchi etc should be planted in this month.
- Weeding and hoeing operation may be taken up in the Orchard.
- To control the gummosis disease in fruit bearing fruit trees, Streptocycline 0.01% or copper oxichloride 0.025% should be sprayed at 15 days interval.
- Grafting of mango, guava, lemon and litchi fruits should be started.
- Drainage of water should be done in the basins of apple.

### **Animal Husbandry:**

- After animal's delivery, Gynotone or Utrotone medicine @ 200ml should be given in morning and evening hours for three days to clean the womb.
- Rain water should not be given to the animals.
- To save the animals from infected disease, vaccination should be done before onset of monsoon on the recommendation of veterinarian.
- July month is highly favourable for cattles' delivery. So, it is recommended that their dwelling place should be clean and hygienic.
- Just after delivery, tie the navel of new born baby of cattle by cutting it with sharp and clean knife, then apply Gentian violet paint or tincture iodine.
- Don't leave the animal in the monsoonal rain because this may lead the irritation in the skin of animals.

- Make the necessary arrangements to save the animals during adverse weather.
- Give Vaccination to save the animals from infectious diseases before onset of monsoon.
- Give deworming to the animals on the recommendation of veterinarian.
- Don't give the high dose of green fodder to the horses because high dose of this increase the chances occurrence of Celiac disease.

A handwritten signature in black ink, appearing to read 'R K Singh', with a horizontal line underneath.

**Dr. R K Singh**

**Professor & Principal Nodal Officer-GKMS**

**AMFU- Pantnagar**