

ग्रामोभ्युदयादेव देशोभ्युदयः

Govind Ballabh Pant University of Agriculture and Technology

Department of Agrometeorology

College of Agriculture

Pantnagar-263145, Uttarakhand

Phone No. 05944 - 233 032



Gramin Krishi Mausam Sewa Bulletin, District - Nainital

Year: 27 Issue No.: 30 Bulletin Period: 14 – 18 April 2018 Day: Friday Dated: 13.04.2018

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				
	14/04/2018	15/04/2018	16/04/2018	17/04/2018	18/04/2018
Rainfall (mm)	0	0	0	0	3
Max Temp ($^{\circ}$ C)	19	19	20	21	20
Min Temp ($^{\circ}$ C)	6	7	8	8	9
Cloud Cover	P-Cloudy	P-Cloudy	P-Cloudy	P-Cloudy	Cloudy
Max RH I (%)	80	80	75	80	85
Min RH II (%)	35	40	40	40	45
Wind speed (km/h)	006	004	006	008	008
Wind direction	NW	NNW	NNW	NNW	NW

According to the observations recorded at India Meteorological Department Observatory located at Nainital (Altitude: 2084 m) during last seven days (6 – 12 April, 2018), it is observed that state of sky were clear, p-cloudy to dense cloudy and rainfall of around 40.0 mm was received. Maximum and minimum temperature varied between 16.0 $^{\circ}$ C to 24.2 $^{\circ}$ C and 6.3 $^{\circ}$ C to 9.9 $^{\circ}$ C respectively.

Weather Based Agro-Advisories

Crop Management:

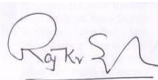
- On the occurrence of leaf spot disease in lobia crop, solution of mancozeb @ 2.0 g/lit of water should be sprayed.
- In mid hills, sowing of varieties of barnyard millet (jhangora) like- Madeira 172, VL Madeira 207, PRJ 1 should be done 25 cm distance from line to line and 10 cm from plant to plant 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:

- 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.
- Transplanting of chilly, capsicum and brinjal should be done in first fortnight of this month.
- Top dressing of urea should be done after 20-25 days of germinated crop of potato and cover them with the soil. 8-10 cm thick layer of mulch should be spread in the drain for moisture conservation.
- In valley, if pea crop are ready then plucking of green pod should be done.
- In irrigated valley regions, Arka komal or Contender variety of French bean should be sown.
- 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.
- On the occurrence of cottony white growth in the stems of French bean crop, infected plants should be removed and destroyed. Solution of carbendazim @ 1g/lit of water should be sprayed.
- If the upper part of leaves of onion and garlic are turning yellow, solution of propiconazole or tebuconazole @ 1 ml/lit of water should be sprayed.
- In mid and low hilly regions, second spray of recommended chemical should be done to control the leaf curl disease in peach.
- Shoots emerges from root stock of the grafting plants in the nursery should be removed.
- On the occurrence of mango hopper after fruit setting, Imidacloprid @ 3 ml/10 liter should be sprayed in the mango.
- On the occurrence of fruit set in the seed bearer fruits like peach, plum, khumani etc, hail proof net should be used to save them from the hail.
- In unirrigated condition, half dose of nitrogen should be used in the basins and mulching should be applied for moisture conservation.
- To save the apple from apple scab disease in high hilly regions, necessary spraying of recommended chemical should be done.

Animal Husbandry:

- 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.



Dr. R K Singh

Professor & Principal Nodal Officer-GKMS

AMFU- Pantnagar