

ग्रामोभ्युदयादेव देशोभ्युदयः

Govind Ballabh Pant University of Agriculture and Technology

Department of Agrometeorology

College of Agriculture

Pantnagar-263145, Uttarakhand

Phone No. 05944 - 233 032



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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 Udham Singh Nagar and plain area of Nainital districts are as follows:

Parameter	Udham Singh Nagar				
	04/11/2017	05/11/2017	06/11/2017	07/11/2017	08/11/2017
Rainfall (mm)	0	0	0	0	0
Max Temp (⁰ C)	28	29	29	28	27
Min Temp (⁰ C)	13	13	12	12	12
Cloud Cover	Clear	Clear	Clear	Clear	Clear
Max RH I (%)	85	80	80	80	80
Min RH II (%)	50	50	45	40	40
Wind speed (km/h)	008	006	006	004	008
Wind direction	ESE	E	NW	NW	NW

According to Meteorological observations recorded at Agrometeorological Observatory, AMFU-Pantnagar, G B Pant University of Agriculture & Technology (Altitude: 243.8 m) during last seven days (27 October – 2 November, 2017) are as follows:

Weather Parameter	Udham Singh Nagar						
	27/10/2017	28/10/2017	29/10/2017	30/10/2017	31/10/2017	01/11/2017	02/11/2017
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Temp (⁰ C)	29.0	29.5	29.0	29.5	30.5	27.5	26.5
Min Temp (⁰ C)	15.0	14.1	15.5	14.0	13.0	16.4	15.5
CC I	Clear	Clear	Clear	Clear	Clear	Overcast	Dense Cloud
CC II	Clear	P-Cloudy	P-Cloudy	Clear	Clear	Dense Cloud	Clear
Max RH I (%)	91	89	71	91	95	94	94
Min RH II (%)	42	63	41	34	65	64	56
Wind speed (km/h)	2.9	1.2	0.9	1.4	1.7	4.6	1.9
Wind direction I	Calm	Calm	NNE	Calm	Calm	Calm	NE
Wind Direction II	WNW	WSW	NNE	WNW	ESE	ENE	ENE

Weather Based Agro-Advisories

Crop Management:

- Standing crops like paddy, soybean, urd, Moong, groundnut and til, sown in the kharif season should be harvested without any delay so that sowing of rabi crops could be started at earliest.
- Light irrigation should be given to rai, late sown toria and yellow mustard before flowering.
- In case of incidence of mahu in toria, yellow mustard and rai crop, 1liter Methyl-O-Demeton 25EC by dissolving in 800 liter of water should be sprayed. Spraying should be done after 2PM so that honey bee should be less affected.
- In irrigated condition, pulse crop like gram, lentil and pea can be sown in this month. Since normal sowing of lentil and pea is in the first fortnight of November.
- Lentil varieties like Pant Masoor-8, Pant Masoor-7, Pant Masoor-6, DPL-7 etc should be sown with the seed rate 30-40 Kg/Ha and line to line distance should be 25 cm.
- Dwarf variety of Pea like Aparna, Maviya matar-15, DDR-23, Pant matar-13,14,25,74 and normal pea variety like Pant matar-42 should be selected for sowing. Seed rate for dwarf and normal pea variety should be 125Kg/Ha and 80-100Kg/Ha respectively. Line to line distance for normal pea varieties should be kept at 30cm and for dwarf pea varieties 20-25cm.
- Sowing of Barseem should be started and Barseem variety- UPB-110, Maskavi, Pusa jayant, Vardaan should be selected for sowing with the seed rate 25-30kg/Ha.
- Seed treatment should be done before sowing.
- Seeds of wheat should be treated by Carboxin @ 2g/kg seeds or Tebuconazole @ 1.5g/kg seeds.
- Seeds of Pulse crop should be treated with 2g Thyrum + 1g Carbendazim / Kg of seed and oilseed crops should be treated with Metalaxyl @ 6 g/Kg seed.

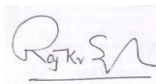
Horticultural Management:

- On the occurrence of fruit and shoot borer in the Brinjal crop, before fruiting stage Chlorantraniliprole 3.5 HC @ 200ml /Ha and in the fruiting stage Cypermethrin 25 EC @ 200ml/Ha should be sprayed.
- To save the Pea crop from stem fly, Carbofuran 3 CG @ 25Kg/Ha should be applied in the field with manure and seed at the time of sowing the seed.
- On the occurrence of fruit borer in the Tomato, Chlorantraniliprole 18.5 SC @ 150ml/Ha or Indoxacarb 14.5 SC @ 500ml/Ha should be used.
- On the attack of White fly in tomato, Cyantraniliprole 10.26 OD @ 900ml/Ha or Thiamethoxam 25 WSG @ 200g/Ha should be applied.
- No insecticide should be used more than once.
- On the occurrence of leaf spot disease in brinjal crop, solution of mancozeb @ 2g/lit of water should be sprayed.
- To control the sucking insect in the Colocasia, 0.2 % solution of Imidachlorpid + Dithene 45 should be sprayed on 10 days interval.
- If gum are releasing from the stem of the tree then copper oxichloride and slaked lime should be apply in the infected areas of main stem.
- On the occurrence of anthracnose on the leaves of mango, copper oxichloride @ 2g/liter should be sprayed.
- On the occurrence of web insect, cleaning of web should be done by using web machine and Quinalphos @ 2ml/liter should be sprayed.

- If stem canker or kai kawak are sown in the stem of mango tree then copper oxichloride or beedo mixer should be sprayed.
- Clearing and ploughing of orchard should be done at the earliest.

Animal Husbandry:

- Vaccination of FMD (Foot and Mouth Disease) should be given to the animals.
- Foot and Mouth Disease is identified by red eyes, high fever, less productivity and food taken capacity, Mouth ulcers, wound in foot due to delay in the treatment of animals. Infected animals should be separated from healthy animals.
- Keeping in mind the probable high rate of Cattle's delivery in this month, especially in Buffalo, animal shed should be well neat, clean, dry and ventilated. For this, dry Lime should be sprayed in the nearby places.
- In case of new born, placenta should be cut with new blade and tie a knot in that. Don't forget to apply Betadine or Tincher on the cut.
- 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.
- To save the buffalo calf from patera disease, 10-15 CC Neem oil should be given to the calf immediately after 10 days of his birth. Again after 10 days, 10-15 CC Neem oil should be given. Chenopodium album oil can also be given as a fodder to animals to save the calf/animals from patera disease.
- It is advised that green fodder can be given to the animals by mixing it in dry fodder otherwise animal may be infected by Timpeti disease which causes death of animals.
- There is a chance of Aflatoxicosis disease in Poultry due to occurrence of fungus in the food which causes to death of poultry birds. So, medicine should be administered to the poultry birds only on the advice of veterinarian.



Dr. R K Singh
Professor & Principal Nodal Officer-GKMS
AMFU- Pantnagar