

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

Parameter	Udham Singh Nagar				
	08/04/2017	09/04/2017	10/04/2017	11/04/2017	12/04/2017
Rainfall (mm)	3	0	0	0	0
Max Temp ($^{\circ}$ C)	32	32	33	33	33
Min Temp ($^{\circ}$ C)	16	15	14	14	15
Cloud Cover	Dense Cloud	P-Cloudy	Clear	Clear	Clear
Max RH I (%)	85	80	80	80	80
Min RH II (%)	50	45	40	40	40
Wind speed (km/h)	04	08	12	12	12
Wind direction	NE	NE	NW	NW	NW

Isolated rain may likely to occur on 8th April with dense clouded sky and wind will blow from North-East direction.

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 (31 March to 06 April, 2017) are as follows:

Weather Parameter	Udham Singh Nagar						
	31/03/2017	01/04/2017	02/04/2017	03/04/2017	04/04/2017	05/04/2017	06/04/2017
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0	1.0	0.0
Max Temp ($^{\circ}$ C)	37.0	35.6	37.0	37.2	37.6	35.0	32.0
Min Temp ($^{\circ}$ C)	15.8	18.9	15.9	13.9	14.9	19.4	23.3
CC I	Clear	Cloudy	Cloudy	Cloudy	P-Cloudy	Cloudy	P-Cloudy
CC II	Clear	Clear	Clear	Clear	Clear	Cloudy	Clear
Max RH I (%)	79	80	67	80	77	67	50
Min RH II (%)	37	27	20	17	30	38	38
Wind speed (km/h)	9.3	5.0	6.6	6.0	7.0	7.5	8.6
Wind direction I	ENE	Calm	Calm	Calm	Calm	E	ENE
Wind Direction II	WNW	WNW	WNW	WSW	WNW	ENE	ENE

Weather Based Agro-Advisories

Crop Management:

- Necessary irrigation should be applied in the sugarcane crop, sown in the month of February and top dressing of urea and hoeing may also be done.
- For late sowing of sugarcane crop after harvesting of wheat, should be completed in this month. Upper 1/3rd to 1/2nd part of sugarcane should be used as seed for sowing. Seeds should be kept in water for 24 hr before seed treatment because it increases the germination. For seed treatment, solution of 1gram Carbendazim 50% in 1 liter of water should be used.
- Late sowing varieties of sugarcane like CoS88230, CoS95255, CoS595222, CoS97264, Co Pant84212 etc should be used. Balanced fertilizer 100-120; 60:40 NPK/ha should be used and 60Kg N, 60 Kg P₂O₅ & 40 Kg K₂O/ha should be used.
- Harvesting of pulse crops like pea, lentil and gram should be done in the morning, immediate after maturity. Grains should be dried well before storage.
- Light irrigation should be given in the evening in the late sowing crop of wheat and barley. Irrigation should be given in the high speed of wind.
- Jawar, cowpea (lobia), maize, pearl millet (bajara) should be sown as fodder crop.
- Harvesting of wheat and barley should be done when their spikes turn golden and grain become hard. After harvesting, keep it in the sun for 3-4 days and afterward threshing should be done with thresher.
- If harvesting should be done with combine then moisture in the grains should not be exceeded by 20%.
- Transplanting of mentha should be done during April. 40-45 days seedlings should be transplanted at a distance of 15-20 cm in lines and line to line distance should be 40 cm.
- Weeding and hoeing should be done in standing mentha crop after 10-15 days of first harvesting.
- Fodder crops like chari, Maize, bajara, makchari, lobia and jawar etc can also be sown in this month.
- Moong should be sown up to 10th April.
- To control the blight disease in gram and lentil, Mancozeb 75% WP @ 2.5g/lit should be sprayed.
- To control the fruit borer in gram crop, solution of 125 ml of Chlorantraniliprole 18.5 SC or 220 g of Emamectin benzoate 5SG or 750 ml of Novaluron 10 EC or 500 ml of Lembdacyhalothrin 5EC in 500 liter of water should be sprayed @ per hectare.

Horticultural Management:

- On the occurrence of mango hopper after fruit setting, Imidacloprid @ 3 ml/10 liter should be sprayed in the mango orchard.
- On the occurrence of powdery mildew in mango, wettable sulphur @ 2g/litre should be sprayed. If temperature is high then kerathen @ 6ml/10 litre should be sprayed.
- Irrigation should be applied in the orchard at certain time interval as required.
- If the upper part of the Onion and Garlic leaf turns yellow then to control it, solution of Difenoconazole @ 1ml/liter + Fipronil 5% SC @ 1lit/Ha and Sticker @ 0.5 ml/lit should be sprayed.
- On the occurrence of fruit borer in the Tomato, fruit should be used only after 3 days and 5 days of spraying of Chlorantraniliprole 18.5 SC @ 150ml/Ha and Indoxacarb 14.5 SC @ 500ml/Ha respectively.
- On the attack of White fly in tomato, Cyantraniliprole 10.26 OD @ 900ml/Ha or Thiamethoxam 25 WSG @ 200g/Ha should be applied and fruit should be used after 5days of spraying.

- To control the stem and fruit borer in brinjal, spraying of Emamectin benzoate 5SG @ 200g/Ha, Cypermethrin 25EC @200ml/Ha, Lambda cyhalothrin 5CS @ 300ml/Ha should be done and fruit should be used after 5 days of last spraying of chemicals.
- To save the chilly from Thrips, Lambda cyhalothrin 5EC @300ml/Ha or Fipronil 5SC @ 1Liter/Ha should be sprayed and chilly is used after 7 days of spraying of chemicals.
- To control the Mite in chilly, diafenthiuron 50WP @ 600g/Ha or Lambda cyhalothrin 5EC @ 300ml/Ha should be sprayed and in this case fruit may be used after 5 days of spraying.
- In onion crop, to control the Thrips Lambda cyhalothrin 5EC @ 300ml/Ha and to control Purpil Blotch difenoconazole 25 EC @ 0.1% or Kitazin 48EC @ 0.2% should be sprayed. Onion crop should be used after 5 and 20 days of spraying of cyhalothrin 5EC for thrips & difenoconazole 25 EC for Purpil Blotch respectively.

Animal Husbandry:

- 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.
- Keeping in mind the probable high rate of Cattle's delivery, animal shed should be well neat, clean, dry and ventilated. For this, dry Lime should be sprayed in the nearby places.
- 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, 10-15Cc 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.

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