

# 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 - Udham Singh Nagar

Year: 27 Issue No.: 49 Bulletin Period: 23-27 June, 2018 Day: Friday Dated: 22-06-2018

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

Parameter	Udham Singh Nagar				
	23/06/2018	24/06/2018	25/06/2018	26/06/2018	27/06/2018
Rainfall (mm)	0	0	0	2	5
Max Temp ( <sup>0</sup> C)	38	38	38	37	35
Min Temp ( <sup>0</sup> C)	25	24	24	25	23
Cloud Cover	P-Cloudy	P-Cloudy	P-Cloudy	Cloudy	Dense Cloudy
Max RH I (%)	80	80	75	80	85
Min RH II (%)	40	40	35	40	45
Wind speed (km/h)	006	008	008	006	008
Wind direction	ESE	ESE	ESE	SE	ESE

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 (15-21 June, 2018) are as follows:

Weather Parameter	Udham Singh Nagar						
	15/06/2018	16/06/2018	17/06/2018	18/06/2018	19/06/2018	20/06/2018	21/06/2018
Rainfall (mm)	7.2	0.0	0.0	0.0	0.0	0.0	0.0
Max Temp ( <sup>0</sup> C)	34.0	30.0	33.0	32.5	36.0	37.0	39.5
Min Temp ( <sup>0</sup> C)	24.4	26.8	25.9	24.3	25.2	25.6	24.1
CC I	8	6	5	2	4	0	0
CC II	5	4	6	0	0	0	3
Max RH I (%)	90	91	80	79	86	80	90
Min RH II (%)	79	67	62	39	43	33	49
Wind speed (km/h)	6.4	2.9	3.5	6.7	8.7	4.8	3.7
Wind direction I	ESE	Calm	WNW	Calm	Calm	Calm	Calm
Wind Direction II	ESE	N	WNW	WNW	WSW	WNW	WSW

## Weather Based Agro-Advisories

### Crop Management:

- Soybean varieties like PS-1024, PS-1042 PS-1092, PS-1241, PS-1347, PS-1225, PS-19 etc should be sown in the bhabar and tarai from last week of June to 1<sup>st</sup> week of July with seed rate 75 kg/ha after treating them with rhizobium culture. Sowing should be done at a distance of 14-60 cm in lines at 3-4 cm depth. 20 kg N<sub>2</sub> 60 kg P<sub>2</sub>O<sub>5</sub> and 40 kg potash /ha should be used.
- Maize sown area which is prone to the occurrence of stem borer, Carbofuran 3CG @ 33kg /ha should be applied in the soil at the time of sowing.
- Nursery of paddy should be prepared.
- Nursery should be prepared in those fields where paddy was not sown in the last year to avoid mixing in the different varieties of paddy.
- Certified seeds or self-produced healthy seeds should be used for nursery of paddy only after treatment.
- Nursery of basmati & scented paddy varieties like Type-3, Tarawari basmati, pusa basmati, pant sugandh dhan 17, 21, PRH 10 etc should be prepared up to 30 June.
- Groundnut varieties like-Ta 64, Chandra, Kaushal, Prakash, Amber, etc should be sown in the second fortnight of June. Seed rate should be 60-70kg/ha and sowing should be done in the lines at a distance of 30-45cm. 20kg Nitrogen, 40kg P<sub>2</sub>O<sub>5</sub>, 45 kg Potash /ha, 200kg Gypsum and 4kg borax should be used as fertilizer.
- To control the root and stem rot diseases in French bean and lobia, carbendazim @ 1g/lit of water should be sprayed.
- On the occurrence of black bug in sugarcane crop, Chlorpyrifos 20 EC @ 2liter/Ha or phenthoate 50EC @ 1 liter/ha or 2 liter of quinalphos 25 EC in 500 liter of water should be sprayed.

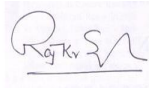
### Horticultural Management:

- Plucking of fruit in dwarf plants should be done in the morning or evening with the help of scateur and in high trees plucking should be done with harvester.
- To control the fruit fly in mango pheromone trap should be changed and collected flies should be thrown away.
- Plucking of early ripening variety of mango should be done.
- To control the powdery mildew in mango, solution of 0.1 % carbendazim should be sprayed.
- On the occurrence of irregular shaped piebald spot in the leaves of cucurbitaceous (pumpkin class vegetables) crop, solution of mancozeb @ 2.5 g/lit of water should be sprayed.
- To control the leaf blight disease in onion, tebuconazole or difinoconazole or propiconazole @ 500ml/ha with any srvangi insecticide and sticker should be sprayed.
- 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:

- To save the animals from infected disease, vaccination should be done on the recommendation of veterinarian.
- On the occurrence of nitrate toxicity in the food of animals, respiration and pulse rate of animals increases and they feel weakness and stiffness in their muscles. Give the 50-100 ml dose of 1% Methylene blue direct in the veins of animals if their food is affected by nitrogen toxicity.

- If animal has consumed the cyanide affected fodder then water should not be given to them. Animals should be kept away from grazing the less grown jawar, bajara and fodder in pasture.
- Small shrivel/fade yellow stiff plants should not be used as fodder for animals to save them from cyanide.
- Neat, fresh and cold water should be given to the animals three times in a day. Availability of sufficient moisture in the body of animals maintains the balance between the temperature of their skin and environment which save the animals from the effect of loo (summer wind).



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