

# ग्रामोभ्युदयादेव देशोभ्युदयः

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## Gramin Krishi Mausam Sewa Bulletin, District - Udham Singh Nagar

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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 district are as follows:

Parameter	Udham Singh Nagar				
	27/06/2018	28/06/2018	29/06/2018	30/06/2018	01/07/2018
Rainfall (mm)	3	10	30	40	45
Max Temp ( <sup>0</sup> C)	35	34	33	32	31
Min Temp ( <sup>0</sup> C)	25	24	23	22	21
Cloud Cover	Dense Cloudy	Dense Cloudy	Dense Cloudy	Overcast	Overcast
Max RH I (%)	80	85	90	95	95
Min RH II (%)	45	50	55	55	60
Wind speed (km/h)	004	006	008	008	006
Wind direction	SE	SE	SE	ESE	SE

**Light rain on 27<sup>th</sup> & 28<sup>th</sup> June and moderate to heavy rain from 29<sup>th</sup> June to 01<sup>st</sup> July with dense cloudy to overcast sky may likely to occur.**

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 (19-25 June, 2018) are as follows:

Weather Parameter	Udham Singh Nagar						
	19/06/2018	20/06/2018	21/06/2018	22/06/2018	23/06/2018	24/06/2018	25/06/2018
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Temp ( <sup>0</sup> C)	36.0	37.0	39.5	38.5	37.5	39.9	38.0
Min Temp ( <sup>0</sup> C)	25.2	25.6	24.1	26.4	27.9	29.0	27.0
CC I	4	0	0	3	0	2	0
CC II	0	0	3	0	2	0	0
Max RH I (%)	86	80	90	61	67	72	70
Min RH II (%)	43	33	49	47	50	52	40
Wind speed (km/h)	8.7	4.8	3.7	4.3	5.8	8.1	4.4
Wind direction I	Calm	Calm	Calm	ENE	ESE	Calm	Calm
Wind Direction II	WSW	WNW	WSW	WSW	WSW	ENE	WNW

## 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 till 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.

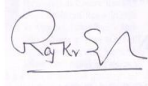
### Horticultural Management:

- Picking the midterm varieties of Mango should be started.
- Picking of mango should be done with peduncle of about 8-10mm length in the morning or evening.
- Picked fruits should not be come in the contact with the soil.
- Wash the fruits with fresh water and dried in the shade before storage.
- Cold storage of dusheri and langra variety of mango should be done at 12<sup>0</sup>C and 15<sup>0</sup>C respectively.
- 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).



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