

**GOVERNMENT OF INDIA  
INDIA METEOROLOGICAL DEPARTMENT  
AGROMETEOROLOGICAL ADVISORY UNIT, RWFC, NEW DELHI-03**

Year 25, No: - 41/2018-19/Fri. Time: 2.30 PM Date: 25<sup>th</sup> May, 2018

**Weather during current week (From 19<sup>th</sup> to 25<sup>th</sup> May, 2018)**

Clear weather conditions were observed during the last week. The maximum temperature ranged between 39.5°C and 43.0°C (weekly normal 39.1°C). The minimum temperature ranged between 19.9°C and 27.4°C (weekly normal 24.7°C). Relative humidity at 7.21 AM ranged between 48 and 72 per cent and that at 2.21 PM ranged between 23 and 29 per cent. The average bright sunshine hour during the week was 8.1 hours per day (weekly normal 7.7 hours). The average wind speed recorded was 4.2 km/h (normal 6.6 km/h). Mean evaporation rate during the period was 6.8 mm/day (weekly normal 10.0 mm/day). Wind during morning was mostly calm and afternoon it was from north-west directions.

**Weather Forecast for next five days received from India Meteorological Department, Regional Meteorological Centre, Agromet Advisory Unit, Lodhi Road, New Delhi is given below:**

Weather parameter/ Date	26-05-18	27-05-18	28-05-18	29-05-18	30-05-18
Rainfall (mm)	0.0	0.0	0.0	1.0	2.0
Maximum Temperature (°C)	45	46	44	44	42
Minimum Temperature (°C)	25	25	24	26	27
Average Cloud Cover (Okta)	2	2	3	4	5
Maximum RH. (%)	60	60	55	65	70
Minimum RH. (%)	15	15	10	20	25
Average Wind Speed( <i>kmph</i> )	10	10	10	10	15
Predominant Wind direction	W	WNW	E	ESE	SSE
Cumulative Rainfall (mm)	3.0 mm				
Special weather	Possibility of heat waves/ dust storm on 26 <sup>th</sup> and 27 <sup>th</sup> May, 2018 and dust storm / thunderstorm with light rain is likely to occur over Delhi NCR on 29 <sup>th</sup> and 30 <sup>th</sup> May, 2018.				

**Weather based Agromet-Advisories (for the period ending on 30<sup>th</sup> May, 2018)**

**Advisory based on advices received from the subject matter specialists of agromet-advisory committee:**

1. Keeping in view heat wave and increase in temperature, farmers are advised for frequent irrigation in vegetables, nurseries of vegetables, fodder crops and orchards. Farmers are also advised to protect vegetables nurseries and orchards against hot winds by physical barrier.
2. Farmers are advised for preparation of nursery for chilli and brinjal. It is also advised to use shed nets, which helps in reducing soil borne disease and thus produce healthy seedlings.
3. Present weather conditions are highly conducive for nursery and field preparation for early cauliflower. Farmers are advised to carry out solarization of prepared nursery beds by covering with thin plastic sheets of 20-30 µm thickness. This operation will help in reducing microbes responsible for disease development in seedlings. Seed should be sown in nursery after treatment with captan 2.0 gram/kg of seed.

4. Sowing of cotton may be done in this week. Farmers are advised to procure good quality seeds from certified source. Recommended varieties: -H-777, H-974, H-1098.
5. Field preparation for sowing of pigeonpea may be done in this week. Farmers are advised to procure good quality seeds from certified source. Before sowing pigeon pea seeds should be treated with crop specific Rhizobium culture and Phosphate Solublesing Bacteria. This treatment increases the crop production. Pigeonpea varieties- Pusa 2001, Pusa991, Pusa992, Paras manak, UPAS 120.
6. Deep ploughing of fields after harvesting of *rabi* crops is advised so that eggs and pupae of insects and weed seeds are destroyed.
7. Optimum moisture level should be maintained in cucurbitaceous crops by light and frequent irrigation. Irrigations should be given in the morning and in the evening hours as dry conditions may lead to poor flowering and pollination and thus reduction in yield of the crop.
8. In present weather conditions, rouging of viral infested crop should be done in chilli. Infected crop should be uprooted and buried in the soil. After rouging, spraying of Imidacloprid @ 0.3 ml per litre of water is advised to control the vector.
9. After harvesting of mature lady finger, application of urea @ 5-10 kg/acre and thereafter application of light irrigation is advised. Constant monitoring of lady finger crop against attack of mite, jassid and hoper is advised. Due to prevailing high temperature, light irrigation at short interval is advised.
10. Keeping in view of high temperature forecast, farmers are advised for harvesting of mature vegetable crop at morning and evening and kept them in sheds.
11. During this weather conditions when farm operations are less, farmers are advised to test their soil from certified agencies.

**AGROMET ADVISORY SERVICE UNIT DELHI  
AND AGRICULTURE DEPTT. DELHI**

**Scientist 'D'**

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