

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

Year 25, No: - 83/2017/Tue.

Time: 2.30 PM

Date: 17<sup>th</sup> October, 2017

**Weather during current week (From 11<sup>th</sup> to 17<sup>th</sup> October, 2017)**

Clear weather conditions were observed during the week. The maximum temperature ranged between 34.0°C and 35.5°C (weekly normal 34.1°C). The minimum temperature ranged between 16.0°C and 20.0°C (weekly normal 20.1°C). Relative humidity at 7.21 AM ranged between 84 and 94 percent and that at 2.21 PM ranged between 38 and 44 per cent. The average bright sunshine hour during the week was 6.7 hours per day (weekly normal 9.0 hours). The average wind speed recorded was 1.8 km/h (normal 4.2 km/h). Mean evaporation rate during the period was 3.6 mm/day (weekly normal 6.4 mm/day). Wind during morning was calm and afternoon it was from north and 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	18-10-17	19-10-17	20-10-17	21-10-17	22-10-17
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0
Maximum Temperature (°C)	34	34	35	34	34
Minimum Temperature (°C)	18	19	20	20	19
Average Cloud Cover (Okta)	0	0	1	2	0
Maximum RH. (%)	85	89	80	82	86
Minimum RH. (%)	35	25	32	25	34
Average Wind Speed( <i>kmph</i> )	06	06	04	06	06
Predominant Wind direction	E	E	NE	WNW	NNW
Cumulative Rainfall (mm)	0.0 mm				

**Weather based Agromet Advisories (for the period ending on 22<sup>nd</sup> October, 2017)**

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

1. Keeping temperature in view sowing of mustard should be done in this week. Recommended cultivars:- Pusa Sarson-25, Pusa Sarson-26, Pusa Agrni, Pusa Tarak, Pusa Mahak. After ploughing the field planking should be done. Seed rate: - 1.5-2 kg per acre. Moisture level in the soil should be appropriate for proper germination; otherwise apply pre sowing irrigation. Before sowing seeds should be treated with Thiram or Captan @ 2-2.5 g/ kg of seeds. Line sowing is beneficial. In non-spreading varieties, row to row spacing should be 30 cm and in spreading cultivars spacing should be 45-50 cm. After germination, plant to plant spacing should be maintained at 12-15 cm by thinning. Before sowing, soil testing for sulfur should be done and in deficient areas 20 kg sulfur per hectare should be applied at last ploughing.
2. In the areas where paddy crop is about to mature, irrigation should be stopped two weeks before harvesting. After harvesting crop should be dried in the field for 2-3 days and thereafter threshing should be done. Grains should be properly dried to right moisture level before storing. Godowns should be properly cleaned by removing all the grains and other storage matter of previous crop.
3. Field sanitization is advised before sowing of *rabi* crop. Bunds, channels, uncultivated fields and field roads should be cleaned, by removing weeds.
4. Present weather conditions are suitable for planting of winter sugarcane. Before sowing farmers are advised to ensure optimum soil moisture for better seed germination. Row to row spacing should be 90 cm. Potato, mustard, gram, pea, wheat etc. may be taken as intercrop.

5. This is suitable time for sowing of pea. Before sowing farmers are advised to ensure optimum soil moisture for better seed germination. Recommended cultivars: - Pusa Pragati, Arkel. Seed should be treated with fungicides, Captan or Thiram @ 2.0 gm/kg and after that with crop-specific *Rhizobium* culture. A solution of jaggery and water after boiling should be allowed to cool down and then seeds along with *Rhizobium* should be thoroughly mixed. The mixture should be allowed to dry in a shade. It is highly recommended that the treated seeds should be sown after 24 hours of treatment.
6. Sowing of garlic can be done in raised bed. Before sowing farmers are advised to ensure optimum soil moisture for better seed germination. Recommended cultivars: -G-1, G-41, G-50, G-282. Application of FYM and phosphorus fertilizer is recommended.
7. Sowing of gram should be done in this week. Before sowing farmers are advised to ensure optimum soil moisture for better seed germination. Seed rate: - 60-80 kilogram for small and medium sized varieties and 80-100 kilograms for big sized varieties. R x R spacing to be maintained 30-35 cm. Varieties:- Kabuli type - Pusa 267, Pusa 1003, Pusa Chamatkar; local type – C235, Pusa 246, P.B.G. 1, Pusa 372. Before sowing, seed should be treated with *Rhizobium* culture and phosphorus solublesing bacteria.
8. Sowing of carrot can be done in raised bed. Before sowing farmers are advised to ensure optimum soil moisture for better seed germination. Recommended cultivars: - Pusa Rudhira. Seed rate-4.0 kg/ acre. Application of FYM, potash and phosphorus fertilizer is recommended. Seed treatment with Captan @ 2 gm per kilogram is advised. Now day's machine for sowing of carrot is available. Farmers can do sowing by machine because it reduces the seed rate, improve the quality of produces and increase the yield.
9. This is suitable time for sowing of Sarson Saag- Pusa Saag-1; Bathua- Pusa Bathua-1; Radish- Japani White, Hill queen, French Radish; Spinach- All Green, Pusa Bharti; Fenugreek- Pusa Kasuri; Coriander- Pant Haritama, Hybrids; Turnip- Pusa Swati, Local Red variety. Before sowing farmers are advised to ensure optimum soil moisture for better seed germination.
10. Transplanting of mature seedlings of cauliflower, cabbage, broccoli and tomato may also be done in raised bed. Recommended spacing should be maintained. Nursery preparation should be started for late crop which mature in December or January.
11. In present weather conditions, rouging of viral infested crop should be done in chilli and tomato. Infected plants should be uprooted and buried in the soil. If infection is more than spray of imidacloprid @ 0.3 ml per litre of water is advised for control the vector.
12. Constant monitoring of lady finger, chilli and cucurbitaceous crops against attack of mite, jassid and hopper is advised. If insect population is more than ETL spraying of ethion 50 EC @ 1.5 - 2 ml per litre of water is advised to control mite and spraying of dimethoate 30 EC @ 2 ml/litre of water against jassid and hopper is advised.

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

**Scientist 'D'**

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