



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

Year 27, No: - 58/2020-21/Tue.

Time: 2.30 PM

Date: 20th October, 2020

Weather during current week (From 14th to 20th October, 2020)

Slight cloudy weather conditions were observed during the week. The maximum temperature ranged between 33.4°C and 35.0°C (weekly normal 32.8°C). The minimum temperature ranged between 13.5°C and 23.0°C (weekly normal 18.1°C). Relative humidity at 7.21 AM ranged between 79 and 86 per cent and that at 2.21 PM ranged between 33 and 41 per cent. The average bright sunshine hour during the week was 6.0 hours per day (weekly normal 8.7 hours). The average wind speed recorded was 2.0 km/h (normal 4.8 km/h). Mean evaporation rate during the period was 4.4 mm/day (weekly normal 6.3 mm/day). Wind during morning was calm and evening 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 belows

Weather parameter/ Date	21-10-20	22-10-20	23-10-20	24-10-20	25-10-20
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0
Maximum Temperature (°C)	34	34	34	34	34
Minimum Temperature (°C)	15	16	16	15	14
Average Cloud Cover (Okta)	2	2	2	2	2
Maximum RH. (%)	85	85	85	85	85
Minimum RH. (%)	35	35	35	35	35
Average Wind Speed(<i>kmph</i>)	08	08	08	06	04
Predominant Wind direction	N	N	NW	N	N
Cumulative Rainfall (mm)	0.0 mm				

Weather based Agromet-Advisories (for the period ending on 25th October, 2020)

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

- **Keeping in view of threat of COVID-19 spread farmers are advised to follow the government guidelines, personal hygiene, use mask, ensure hand washing with soap at reasonable interval, social distancing during picking of vegetables and other agricultural operation in all crops.**
- Farmers are advised for, not to burn the residue of kharif crops (paddy) in the fields because it not only pollute the environment but also causes the severe health (respiratory) problems. The smog formed due to burning of residue reduces the solar-radiations received to the crops and decrease the process of photosynthesis and evapotranspiration, which affect the quality and quantity of all crops. Farmers are advised to mix the residue of kharif crops in the soil. It increases the soil fertility. It can be used as

mulching for decreasing soil evaporation and to conserve soil moisture. Pusa decomposer capsule can be used @ 4 capsule /ha for decomposing the residue of the paddy.

- Keeping view in weather, harvesting of mature rice crop in this week should be done. After harvesting, crop should be dried in the field for 2-3 days and thereafter threshing should be done. Before storing, grains should be dried to bring down moisture level below 12 %.
- 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.
- Farmers are advised to procure good quality seeds of wheat and start field's preparation. Seed rate: - 100 kg seed per ha. Recommended cultivars: - H.D. 3226, H.D. 2967, H.D. 3086, H.D. 2733, H.D. 2851. Application of Chlorpyrifos (20 EC) @ 5 litres per ha. with pre-irrigation is recommended before sowing in the fields having perennial problem of termite infestation. Recommended dose of fertilizer for N: P: K is 120, 50 and 40 kg / ha.
- Keeping temperature in view sowing of mustard should be done in this week. Before sowing, soil testing for sulfur should be done and in deficient areas 20 kg sulfur per hectare should be applied at last ploughing. Before sowing farmers are advised to ensure optimum soil moisture for better seed germination. Recommended cultivars:- Pusa Vijay, Pusa Sarson-29, Pusa Sarson-30, Pusa-31. 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 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.
- 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. Seed should be treated with fungicides, Captan @ 2.0 gm/kg and after that with crop-specific *Rhizobium* culture. A solution of jaggary 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.
- 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.
- 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 (B.G.-1053); local type – C235, Pusa 246, P.B.G. 1, Pusa 372. Before sowing, seed should be treated with *Rhizobium* culture and phosphorus solublesing bacteria.
- 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.
- 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.
- 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.

- 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.
- Training and pruning as well as intercultural operations of rose should be done in present weather conditions. Apply Bavistin paste in the cut portion to protect the crop against attack of fungal diseases.
- Marigold should be transplanted in raised bed as earliest. Sowing of gladiolus should be done in prepared fields.

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

Scientist 'E'

E-MAILMESSAGE-

- 1- **DDGM (Agrimet) Pune.**
- 2- **All Indian Radio AGRICULTURE DEPTT Room No 610.Fax No. 23710106
KrishiDarshan, Mandi House Room No 801.Fax No. 23097571**