

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

Year 25, No: - 76/2017/Fri. Time: 2.30 PM

Date: 22nd September, 2017

Weather during current week (From 16th to 22nd September, 2017)

Partially cloudy conditions were observed during the week. The maximum temperature ranged between 31.4°C and 37.2°C (weekly normal 34.4°C). The minimum temperature ranged between 21.6°C and 25.3°C (weekly normal 24.5°C). Relative humidity at 7.21 AM ranged between 80 and 92 percent and that at 2.21 PM ranged between 40 and 63 per cent. The average bright sunshine hour during the week was 5.4 hours per day (weekly normal 9.0 hours). The average wind speed recorded was 4.0 km/h (normal 5.3 km/h). Mean evaporation rate during the period was 4.3 mm/day (weekly normal 6.8 mm/day). Wind during morning and afternoon was from different 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	23-09-17	24-09-17	25-09-17	26-09-17	27-09-17
Rainfall (mm)	4.0	0.0	0.0	0.0	0.0
Maximum Temperature (°C)	32	33	34	35	35
Minimum Temperature (°C)	23	24	24	24	24
Average Cloud Cover (Okta)	7	7	4	2	2
Maximum RH. (%)	95	90	85	80	85
Minimum RH. (%)	65	60	55	50	50
Average Wind Speed(<i>kmph</i>)	07	04	06	05	06
Predominant Wind direction	ENE	ESE	WNW	WSW	SSE
Cumulative Rainfall (mm)	4.0 mm				

Weather based Agromet Advisories (for the period ending on 27th September, 2017)

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

1. At this time paddy crop in panicle initiation stage. Farmers are advised to monitor crop regularly, if population of stem borer is above ETL than broadcast of Cartap 4% granules or carbofuran 3% G @ 10 kg/acre for effective control is recommended. Farmers are advised to install pest specific pheromone traps @ 3-4/acre in the paddy fields for monitoring of stem borer.
2. In present weather condition, constant monitoring for brown plant hopper BPH in paddy field is advised. Farmers are advised to enter into the middle of the crop field and see mosquito like insect at the basal portion of the plant. If insect population is above ETL spray of Imidacloprid 17.8 % SC @ 1.0 ml / 3 lit or fenobucarb 50 EC @ 1 ml/ litre or buprofezin 25 EC @ 2 ml/ litre of water is recommended.
3. Farmers are advised to transplant green onion seedling in the prepared fields. Nurseries should be prepared in raised bed.
4. Planting of early potato is advised to the farmers. The crop matures in 80-90 days. Recommended varieties: - Kufri Badshah, Kufri Surya. Thereafter, sowing of other *rabi* crop such as late wheat can be taken up.
5. Field preparation should be started for early pea and arrangement for quality seeds should be done (cultivars- Pusa pragati, Pant matar-3, Arkil etc.).
6. Sowing of carrot can be done in raised bed. 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.

7. In vegetables (brinjal, chilli, cauliflower, cabbage, tomato etc), for monitoring of borer insect, farmers are advised to use pheromone trap @ 3-4/acre. If insect population is above ETL than, spraying of Spinosad 1.0 ml/4 litre of water is advised against fruit borer, diamond back moth.
8. 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.
9. Monitoring of cucurbitaceous crops against attack of fruit fly should be done by the use of 'Methyl Eugenol trap. Protection of cucurbitaceous crops against fruit fly by use of bait trap (mixing jaggary 10 % with Malathion 0.1 % and putting at different corners of the field) is advised.
10. 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.
11. Constant monitoring of ladyfinger, brinjal and chilli crop against attack of mite, jassid and hopper is advised. To control mite, spraying of phosmite @ 2 ml per litre of water is advised while spraying of Dimethoate 30 EC @ 2 ml/liter of water is advised against jassid and hopper.
12. Field preparation should be started for sowing of early mustard. Arrangement of quality seeds should be done, recommended cultivars- Pusa Sarson-25, Pusa Sarson-26, Pusa Agrni, Pusa Taraka, Pusa Mahak.
13. Termites may damage crops and vegetables in the present weather. Farmers are advised to spray Chlorpyrifos 20 EC @ 4 ml/litre of water.
14. Farmers are advised to use light trap to keep a check on pest population. This causes less damage to useful insects. For making a light trap, a bulb should be fixed above a tumbler (either plastic or tin) having a mixture of water and few drops of Rogor or kerosene oil. The insects get attracted towards the light, fall in the solution and die.

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

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E-MAILMESSAGE-

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