

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

Year 25, No: - 49/2017//Tue.

Time: 2.30 PM

Date: 20th June, 2017

Weather during current week (From 14th to 20th June, 2017)

Partially cloudy conditions were observed during the week. Rainfall of 22.2 mm on 16th June, 8.2 mm on 17th June, 4.6 mm on 19th June and 97.2 mm on 20th June was recorded at the institute observatory. The maximum temperature ranged between 31.2°C and 41.8°C (weekly normal 38.4°C). The minimum temperature ranged between 21.6°C and 27.4°C (weekly normal 27.0°C). Relative humidity at 7.21 AM ranged between 62 and 98 percent and that at 2.21 PM ranged between 32 and 75 per cent. The average bright sunshine hour during the week was 5.5 hours per day (weekly normal 7.6 hours). The average wind speed recorded was 7.3 km/h (normal 7.5 km/h). Mean evaporation rate during the period was 6.2 mm/day (weekly normal 10.7 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	21-06-17	22-06-17	23-06-17	24-06-17	25-06-17
Rainfall (mm)	10.0	10.0	5.0	0.0	0.0
Maximum Temperature (°C)	32	32	33	35	36
Minimum Temperature (°C)	24	23	23	24	25
Average Cloud Cover (Okta)	7	7	6	3	3
Maximum RH. (%)	95	95	95	90	85
Minimum RH. (%)	60	60	55	50	45
Average Wind Speed(<i>kmph</i>)	10	14	13	10	09
Predominant Wind direction	ESE	WNW	WNW	WNW	WNW
Cumulative Rainfall (mm)	25.0 mm				

Weather based Agromet Advisories (for the period ending on 25th June, 2017)

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

1. Keeping rainfall in view for next three days, farmers are advised to do proper drainage in the nurseries of brinjal, tomato, chilli and early cauliflower. Farmers are also advised to stop all types of sprays in standing crop and vegetable crops for next three days.
2. Keeping in view of rain farmers are advised for sowing of maize. Recommended Hybrids like AH-421, AH-58 Composites: Pusa composite-3, Pusa composite-4. Seed rate 20 kg/ha. It is also advised to maintain row to row spacing of 60-75 cm. and plant to plant 18-25 cm. Spray of Atrazine 1-1.5 kg a.i/ha. in 800 litre of water is recommended for effective weed control in maize, when sky is clear.
3. Constant monitoring of paddy nurseries against attack of blast and brown spot is advised. Spraying of Carbendazim @ 2.0 gram per litre of water is advised, when sky is clear.
4. In the paddy nursery, if upper leaves of the paddy seedlings become yellow and lower leaves remain green, it indicates the iron deficiency. Spraying of ferrous sulphate @ 0.5 % with 0.25% lime solution is recommended to overcome this problem, when sky is clear.

5. This is suitable time to grow fodder sorghum specially Pusa chari-9, Pusa chari-6 or other hybrids. Seed rate should be 20 kg/ha Fodder crop lobia can also be sown in this week.
6. After leveling the fields, one ploughing should be done to mix manure properly in soil. Farmers are advised to conserve rainwater in the field judiciously by proper bund making. Bunds should be higher and broader.
7. Farmers are advised to start sowing of rainy season Cucurbits. Recommended varieties are Bottle Gourd- Pusa Naveen, Pusa Samridhi, Bitter Gourd- Pusa Visesh, Pusa-2 mosumi, Pumpkin- Pusa Visvash, Pusa Vikash, Ridge Gourd- Pusa Chikni etc.
8. Farmers are advised for sowing of guar, bajra, cluster bean, spinach, amaranths and ladyfinger. They are also advised to procure good quality seeds from certified sources.
9. For constant monitoring of cucurbitaceous crops against attack of fruit fly use of 'Methyl Eugenol trap is recommended. After detecting the symptoms, spraying of Rogor @ 2 ml + 10 g sugar or jaggary/litre water at 50 litres/ha. is advised when sky is clear.
10. In present weather conditions, rouging of viral infested crop should be done in chilli. Infected plants 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 when sky is clear.
11. Farmers who want to establish new orchard gardens are advised for digging pits as per requirement and keep it open, to kill harmful insect- pest and weed seed.
12. Farmers are advised to do proper arrangement for storing rain water at one portion in the field. This water can be used for irrigation in the crops at suitable time during dry spell.
13. Before sowing farmers are advised for application of well decomposed FYM or compost, it increases the water use efficiency as well as nutrient quantity in the soil. Use balance amount of fertilizers after soil testing. Farmers are also advised to increase the amount of potash it helps in minimizing the losses due to the moisture stress.

AGROMET ADVISORY SERVICE UNIT DELHI
AND AGRICULTURE DEPTT. DELHI

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