



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

Year 25, No: - 119/2018-19/Tue.

Time: 2.30 PM

Date: 19th February, 2019

Weather during current week (From 13th to 19th February, 2019)

Slight fog was observed at morning during the week. Rainfall of 1.4 mm on 14th February, 5.8 mm on 15th February and 3.8 mm on 19th February was recorded at the institute observatory. The maximum temperature ranged between 19.0°C and 24.4°C (weekly normal 22.4°C). The minimum temperature ranged between 10.2°C and 13.5°C (weekly normal 9.3°C). Relative humidity at 7.21 AM ranged between 89 and 98 per cent and that at 2.21 PM ranged between 60 and 98 per cent. The average bright sunshine hour during the week was 2.4 hours per day (weekly normal 6.3 hours). The average wind speed recorded was 4.3 km/h (normal 4.1 km/h). Mean evaporation rate during the period was 1.6 mm/day (weekly normal 2.8 mm/day). Wind during morning and evening 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	20-02-19	21-02-19	22-02-19	23-02-19	24-02-19
Rainfall (mm)	3.0	1.0	0.0	0.0	0.0
Maximum Temperature (°C)	24	25	25	23	23
Minimum Temperature (°C)	14	14	14	11	10
Average Cloud Cover (Okta)	7	7	4	3	2
Maximum RH. (%)	100	100	98	95	90
Minimum RH. (%)	50	50	45	45	40
Average Wind Speed(kmph)	10	10	10	10	08
Predominant Wind direction	SSE	SSE	NNW	NNW	NNW
Cumulative Rainfall (mm)	4.0 mm				
Special weather	On 20 th February light rain with possibility of thunder storm and hail.				

Weather based Agromet-Advisories (for the period ending on 24th February, 2019)

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

1. Keeping in view of rainfall, farmers are advised to stop irrigation for next few days as sufficient moisture is available in all the crops.
2. Keeping in view of rainfall forecast, farmers should avoid to do any type of sprays in any crops.
3. Farmers are advised to monitor their vegetable and mustard crops against attack of aphid. If pest population is above ETL than, spraying of Imidacloprid @ 0.25 to 0.5 ml per litre of water in vegetable crops after harvesting of mature fruits is advised. In vegetable crops a

waiting period of one week should be followed after spraying. Constant monitoring of oil seed mustard crop is advised as damage by this insect is very high.

4. Farmers are advised to procure quality seeds for green gram and black gram from certified source for sowing during first week of March. Variety: - Green gram – Pusa Visal, Pusa Vaisakhi, PDM-11, SML-32 and Black gram – Pant Urd 19, Pant Urd 30, Pant Urd 35, PDU-1. Seed treatment with crop specific Rhizobium culture as well as phosphorus solubilising bacteria is also advised.
5. Keeping weather in view, farmers start sowing of lady finger- A-4, Parbani Kranti and Arka anamika cultivars. Insure optimum moisture for proper germination before sowing of crop. Seed rates should be 10-15 kilogram per acre.
6. In present weather condition constant monitoring of the wheat crop against rust disease is advised. If symptom of black, brown or yellow rust appears spraying of crops with Dithane M- 45 @ 2.5 gram/litre of water should be done. For yellow rust temperature should be between 10-20°C. Above 25°C the dispersion of yellow rust does not occurs. For brown rust the temperature should be between 15-25°C with humid weather conditions. For black rust temperature should be above 20°C with less humidity.
7. Sowing of French bean, cluster bean, summer radish is advised as present temperature is suitable for germination of seeds. Procurement of seeds should be done from a certified source.
8. In present weather conditions, transplanting of young seedlings of tomato, chilli and cole crop may be done in this week.
9. Constant monitoring of timely sown onion crop against attack of thrips and infection of purple blotch should be done. Spraying of Confidor @ 0.5 ml per 3 litre of water with sticky material (Tipol 1.0 gram /litre) is advised for thrips and need based spraying of Dithane-M - 45 @ 3 grams per litre of water with sticky material (Tipol 1.0 gram /litre) are advised for purple blotch disease.
10. Installation of bird perches in tomato crop is advised to control fruit borer insect. Hand picking of damaged fruit and burying are advised. Installation of pheromone trap @ 2-3 traps per acre of crop field is advised for monitoring the tomato fruit borer.
11. In brinjal crop, to control shoot and fruit borer, collection of infested fruits and shoots and burying these are advised. If pest population is high, spraying of Spinosad 48 SC @ 1 ml. /4 litres of water is advised.
12. Keeping weather in view, constant monitoring of inflorescence rotting disease in marigold crop is needed. If symptoms is found spraying of Bavistin @ 1 gram\litre water is advised.
13. Ploughing of mango orchard is advised to control emerging mango mealy bug nymphs. Wrapping of plastic sheets around mango trunk to prevent climbing of young mealy bugs should be done. Apply grease to seal any cracks in the polythene sheets.

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

Scientist 'E'

E-MAILMESSAGE-

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