



Year: 26, No. 76

Date: 22.09.2017

Integrated Agromet Advisory Services
(Project Sponsored by India Meteorological Department)
District: Raipur

Weather parameters recorded 16-Sep. to 22-Sep. 2017 at Agromet-Observatory, IGKV Raipur.

Date	Maximum Temp. (°C)		Minimum Temp. (°C)		Rainfall (mm)		Relative Humidity (%)		Wind Speed Kmph	Evaporation (mm)	Sun Shine (hrs)	Soil Temp. (°C) 5 cm depth (°C)	
	2017	Norm	2017	Norm	2017	Norm	Max	Min				07:00 hr	14:00 hr
16-Sep.	32.2	31.3	25.5	24.1	4.6	4.3	97	67	2.7	2.8	6.3	27.0	37.0
17-Sep.	33.5	31.2	26.8	24.2	0.6	3.0	92	73	2.3	2.7	7.0	28.0	37.0
18-Sep.	32.5	31.4	24.4	24.2	0.0	4.7	90	69	3.4	3.1	2.0	26.6	38.5
19-Sep.	32.4	31.3	23.0	24.2	54.2	8.4	98	81	5.4	4.1	4.0	26.0	33.2
20-Sep.	30.5	31.4	23.0	24.0	53.8	4.2	100	98	5.7	3.4	0.8	25.8	27.0
21-Sep.	25.4	31.6	24.6	24.0	7.0	4.9	95	74	6.2	1.4	0.0	26.0	34.0
22-Sep.	31.0	31.5	25.0	23.9	0.0	7.3	90	73	4.5	3.0	6.6	26.6	31.5
	31.1	31.4	24.6	24.1			95	77	4.3	2.9	3.8	26.6	34.5
					120.2	36.8							

As per the observations recorded at Agromet Observatory, IGKV, Raipur Maximum temperature varied between 25.4°C to 32.5°C as against the normal of 31.4°C. Similarly minimum temperature varied between 23.0°C to 26.8°C as against the normal of 24.1°C. Fluctuations in other weather parameters were also reported during the week. Bright sunshine hour during this period varied between 0.0 to 7.0 hours/day. Average wind speed and evaporation for the week remain 4.3 kmph and 2.9 mm/day, respectively.

Medium Range Weather Forecast received from, IMD, Raipur

Weather parameters	23-Sept.	24-Sept.	25-Sept.	26-Sept.	27-Sept.
Rainfall (mm)	0	0	2	0	2
Maximum Temperature(°C)	32	33	33	33	32
Minimum Temperature (°C)	25	26	26	26	25
Cloud Cover (Octa)	5	4	4	4	5
Maximum humidity (%)	90	90	90	90	90
Minimum humidity (%)	80	75	75	75	75
Wind Speed (kmph)	6	5	7	6	4
Wind Direction (Deg)	SW	SW	SW	W	SE

Agro-advisories

General

1. Upon observation of yellow stem borer in the fields, leaves with egg groups should be removed and destroyed. The plants where dead heart has been formed, should be taken out from the plants so that caterpillars are destroyed.
2. For monitoring of stem borer in rice crop, Pheromone trap should be used @ 2-3 nos. per acre and @ 8-10 nos. per acre for controlling insects.
3. In rice crop, hoppers and stem borer should be monitored.
4. In those regions where rice crop has been damaged to the tune of 70 per cent, farmers are advised to prepare their field plans for rabi season. Farmers should ensure availability of seeds, fertilizers and other agricultural inputs for sowing of rabi crops like chickpea, wheat, linseed, toria, maize, vegetables, moong, urad and other forage crops etc. The sowing should be completed in the month of October as per facilities available. For this farmers should take the benefit of govt. subsidies.
5. Weeding and intercultural operations will also be beneficial in the other pulses and oilseed crops.

Fruits & Vegetables

1. Fertigation of fertilizers (19:19:19 mixed fertilizer) should be done through drip irrigation system.
2. Sowing of appropriate varieties of vegetables like turnip and carrot should be done for preparation of nursery.
3. This is the appropriate timing of pruning of fruit planation viz., pomegranate and fig.
4. Cucurbitaceous vegetables particularly pointed gourd (Parval) is vulnerable to fruit rotting and drying. Fields should be kept clean and Metalaxyl+ mancozeb @2.5 grams per litre should be sprayed or copper oxychloride COC @ 4 gram per litre should be sprayed.
5. For avoiding the fruit shedding in papaya crop, Nephthalene Acetic Acid (NAA) should be sprayed @ 20 ppm.

Animal husbandry:

1. Poultry farmers who are following deep litter method, poultry beds should be turned upside down during rainy season. Damped type beds should not be used.
2. For protection from damping, poultry beds should be mixed with 2-3 kg.lime/sq.ft.
3. Cattle shed and poultry beds should be kept under running fan condition so that saturated and suffocated air should go out of the poultry sheds. This will facilitate clean and fresh air in the poultry sheds.

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