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**Weather recorded between 01 to 07 November 2017 at Agromet Observatory, R.M.D. CARS, Ambikapur**

As per the observations recorded at Agromet Observatory, R.M.D. CARS, Ajirma, Ambikapur, the weather condition of the station during last week was clear sky and bright sunshine hours ranged from 8.8-9.7 hours. The average maximum and minimum temperatures during this week were 28.2°C and 13.9°C, respectively. The average wind speed and evaporation rate recorded during this period were 1.5 kmph and 3.3 mm. per day, respectively. During the morning hours, the average relative humidity and soil temperature at 5,10 cm. and 20 cm. depth were **84** percent, 19.2°C, 21.1°C and 21.8°C, whereas, the values during afternoon were **46** percent, 40.0°C, 31.2°C and 28.4°C, respectively.

Date	T. Max (°C)	T. Min (°C)	Rainfall (mm)	Relative humidity (%)		Wind speed (kmph)	Sun-shine (hr)	Evap-oration (mm)
				Morning	Evening			
01 Nov. 17	28.5	13.8	0.0	86	46	1.5	8.8	3.2
02 Nov. 17	28.0	13.4	0.0	86	40	1.4	9.1	3.0
03 Nov. 17	27.8	13.0	0.0	88	45	1.5	9.1	3.3
04 Nov. 17	27.2	13.8	0.0	83	51	1.6	9.0	3.4
05 Nov. 17	27.4	13.7	0.0	74	47	1.9	9.7	3.4
06 Nov. 17	28.7	15.1	0.0	83	47	1.2	9.0	3.1
07 Nov. 17	29.6	14.8	0.0	88	45	1.1	9.2	3.5
	<b>28.2</b>	<b>13.9</b>		<b>84</b>	<b>46</b>	<b>1.5</b>	<b>9.1</b>	<b>3.3</b>
<b>Total</b>			<b>0.0</b>					<b>22.9</b>

**Medium Range Weather Forecast**  
**For District: Ambikapur**

Forecast received from IMD

Weather parameters	08 Nov.	09 Nov.	10 Nov.	11 Nov.	12 Nov.	Remarks
<b>Rainfall (mm)</b>	0	0	0	0	0	<b>Mainly dry weather during this period.</b>
<b>Maximum Temperature (°C)</b>	28	28	27	27	27	<b>Maximum temperature will remain between 27-28°C and the minimum around 12-15°C during this period</b>
<b>Minimum Temperature (°C)</b>	15	13	13	12	12	
<b>Cloud Cover (Octa)</b>	0	0	0	0	1	<b>Mainly Clear sky</b>
<b>Maximum</b>	90	80	80	70	70	

<b>humidity (%)</b>						
<b>Minimum humidity (%)</b>	45	40	40	35	30	
<b>Wind Speed (kmph)</b>	3	3	3	3	4	
<b>Wind Direction</b>	NE	NE	NE	NE	NE	

### **Agro-Advisory for the farmers**

- **Paddy harvest:** Forecasted weather will remain favorable for harvesting and threshing of paddy crop. Farmers are advised to do this giving top priority so that the field preparation for sowing of *rabi* crops can be done on time.
- **Field preparation:** Sufficient moisture is present in soil. Hence, farmers are advised to prepare their land for sowing of different *rabi* crops.
- **Sowing:** Farmers are advised for sowing of gram with zero tillage practice.
- **Seed treatment:** Before the sowing of pulse crops farmers are also advised for the seed treatment with Bavistin or Thiram @ 2.5 g per kg of seed followed by treating with recommended Rhizobium cultures @ 5 g per kg seed.
- **Lathyrus:** Use improved variety of lathyrus like Pratik, Ratan and Mahatiwda for sowing as this is the appropriate time.
- **Mustard:** Farmers who wish to cultivate mustard crop, may start sowing after preparation of the field and Select the improved seed, recommended for this region like Shiwani, Varuna, Pusa Bold, BR-40 etc. 3 kg seeds are required for cultivation in one acre. Sow the seed in line at a distance of 30 cm. (Row to row) and 10 cm. (Plant to plant).
- **Chickpea:** Sowing of chickpea in time will help to prevent wilt disease.
- **Sowing of potato and garlic:** Present weather conditions are favourable for the sowing of potato and garlic and also for raising seedlings of Onion. Hence, farmers having proper irrigation facilities are advised for the sowing of the same. Seed treatment before planting is advised.
- **Transplanting:** Looking to the present weather conditions farmers are advised for the transplanting of cauliflower, tomato, brinjal, chilli etc. in the main field during evening hours. Farmers can also sow the leafy vegetables.
- **Orchard:** Farmers are advised to Paint stem of tree by using Bordo mixer/pest, maintain cleanness in the orchard, prepare basin around the tree and apply recommended dose of manure and fertilizer.

- **Green fodder:** At present green fodder is available in plenty. Therefore dairy farmers are advised that green fodder mixed with forage should be fed to animals/ cows/ buffaloes. Care for prevention of loose motion should be followed.
- Provide concentrate feed to milch animals mix with dry and green fodder and insure for enrich diet having protein, carbohydrate, fat, vitamins etc. Provide concentrate feed to milch animals mix with dry and green fodder and insure for enrich diet having protein, carbohydrate, fat, vitamins etc.
- **Animal care:** Low temperature condition may adversely affect the milk production and performance of domestic animals. Farmers are advised to give protein enriched diet to the animals. Do not keep the animal in the open.

**Nodal Officer  
Agro-Meteorology**