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**Weather recorded between 05-11 July 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 rainy and bright sunshine hours ranged from 0.0-4.7 hours. The average maximum and minimum temperatures during this week were 28.0°C and 22.5°C, respectively. The average wind speed and evaporation rate recorded during this period were 5.0 kmph and 2.4 mm. per day, respectively. During the morning hours, the average relative humidity and soil temperature at 5,10 cm. and 20 cm. depth were 90 percent, 24.0°C, 24.5°C and 25.0°C, whereas, the values during afternoon were 80 percent, 28.2°C, 27.2°C and 26.6°C, respectively.

Date	T. Max (°C)	T. Min (°C)	Rainfall (mm)	Relative humidity (%)		Wind speed (kmph)	Sun-shine (hr)	Evap-oration (mm)
				Morning	Evening			
05 July 17	26.5	20.6	21.2	95	78	7.2	0.0	2.7
06 July 17	28.0	22.4	14.0	92	72	7.4	0.8	2.0
07 July 17	29.2	24.0	0.0	77	66	3.4	0.3	2.2
08 July 17	30.6	24.0	0.0	78	79	3.4	0.2	2.7
09 July 17	30.0	23.5	1.8	92	90	4.7	4.7	3.0
10 July 17	26.0	22.0	69.2	98	87	4.5	0.6	2.2
11 July 17	26.0	21.0	33.4	98	85	4.5	0.0	2.2
	28.0	22.5		90	80	5.0	0.9	2.4
Total			139.6					17.0

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

Forecast received from IMD

Weather parameters	12 July	13 July	14 July	15 July	16 July	Remarks
Rainfall (mm)	33	7	22	48	42	Medium to heavy rainfall during this period.
Maximum Temperature (°C)	26	26	26	26	27	Maximum temperature will remain between 26-27°C and the minimum around 21-22°C during this period
Minimum Temperature (°C)	21	21	21	22	22	

Cloud Cover (Octa)	8	8	7	7	7	Mainly cloudy sky
Maximum humidity (%)	100	95	100	95	95	
Minimum humidity (%)	80	79	80	80	80	
Wind Speed (kmph)	5	3	2	3	3	
Wind Direction	SW	S	S	S	S	

Agro-Advisory for the farmers

Rice: Possibility of medium to heavy rains forecast farmers are advised to store the water in the rice fields and complete the transplanting and Biasi operation in the crop at 25-30 days seedling stage as early as possible.

Rice: Due to the light to medium rainfall received during past week soil has become saturated, it is therefore advised for transplanting of rice crop in main field.

Line sowing Rice: Farmers are advised to go for line sowing in rice crop. In case farmers have sown rice crop by *broadcast biasi* method and wish to go by this method, seed rate should be kept somewhat less @ 60-80 Kg./ha. and weeds should be managed by post-emergence herbicide.

Seed treatment: During monsoon period the chances of soil and seed borne diseases may increase due to higher soil moisture and temperature. Hence, farmers are advised for seed treatment with Thiram or Bavistin @ 3 g per kg of seed to protect the crop at early stage.

Weed management: Farmers are advised to use pre-emergence herbicides within 3-7 days of sowing and post-emergence herbicides should be applied 25-35 days after sowing. This will ensure that weeds are controlled to a large extent and crops are able to utilize the soil moisture.

Vegetables: Farmers are advised to sow brinjal, early tomato, chilli and onion in the nursery in the upland areas.

Horticulture: It is proper time for plant propagation like lairing, budding, grafting etc.

Cattle: Farmers are advised to provide vaccination to their cattle to protect from contagious diseases under current weather condition.

Poultry: During monsoon season normally low light duration due to cloudy weather condition hence farmers are advised increase light duration in poultry farms.

**Nodal Officer
Agro-Meteorology**