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**Weather recorded between 17-23 May 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 9.5-10.5 hours. The average maximum and minimum temperatures during this week were 40.8°C and 25.4°C, respectively. The average wind speed and evaporation rate recorded during this period were 4.2 kmph and 9.1 mm. per day, respectively. During the morning hours, the average relative humidity and soil temperature at 5,10 cm. and 20 cm. depth were 47 percent, 31.0°C, 31.5°C and 32.5°C, whereas, the values during afternoon were 21 percent, 34.5°C, 36.0°C and 33.4°C, respectively.

Date	T. Max (°C)	T. Min (°C)	Rainfall (mm)	Relative humidity (%)		Wind speed (kmph)	Sun-shine (hr)	Evap-oration (mm)
				Morning	Evening			
17 May 17	42.2	26.0	0.0	40	14	3.0	10.3	9.3
18 May 17	42.7	24.6	0.0	46	21	4.4	10.5	10.4
19 May 17	40.0	26.5	0.0	57	28	4.3	9.5	9.8
20 May 17	37.5	26.5	0.0	45	22	4.5	9.8	9.7
21 May 17	41.0	24.0	0.0	49	25	4.4	10.2	8.0
22 May 17	40.2	25.0	0.0	46	17	3.4	10.5	9.0
23 May 17	41.8	25.5	0.0	43	19	5.3	10.4	7.6
	40.8	25.4		47	21	4.2	10.2	9.1
Total			0.0					63.8

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

Forecast received from IMD

Weather parameters	24 May	25 May	26 May	27 May	28 May	Remarks
Rainfall (mm)	0	0	0	0	0	Mainly dry weather during this period.
Maximum Temperature (°C)	42	42	42	42	41	Maximum temperature will remain between 41-42°C and the minimum around 26-27°C during
Minimum Temperature (°C)	27	27	27	27	27	

						this period
Cloud Cover (Octa)	3	3	3	3	3	Partially cloudy sky
Maximum humidity (%)	45	55	55	55	60	
Minimum humidity (%)	13	13	14	13	16	
Wind Speed (kmph)	2	3	4	3	4	
Wind Direction	NE	SE	SE	SE	SE	

Agro-Advisory for the farmers

Summer Plough: This is the proper time for summer ploughing for preparing land for kharif crops. After first ploughing, FYM or Compost should be spread in the field and then mix it properly in the soil. Neem or karanj cake may be mixed in the soil at the time of final land preparation to protect the crop against termites.

Irrigation: In view of increasing temperature, the water need of the standing crops would increase. Farmers are advised to apply irrigation in rice, summer maize, sugarcane, and summer vegetable crops during night time.

Green manuring: To enhance the fertility status of the soil of rice field, sow the green manured crops like, sunhamp, dhaincha etc. 20-25 kg seed are required for sowing in 1 acre.

Paddy: Farmers are advised to arrange the seeds and prepare the nursery for sowing of long duration rice varieties. Treat paddy seed with carbendazim (2 gm/kg of seed) fungicide before sowing in nursery.

Sugarcane: Vegetative stage: The weather will be remain favorable for attack of stem borer and top borer insects in the spring planted sugarcane crop. Remove the infested parts of crop and burn them.

Summer paddy & groundnut: Looking to the higher day temperature it is advised for drying of rice harvested by harvester under well ventilated shaded place to avoid breakage of rice during milling. Similarly harvested groundnut should also be dried in well ventilated shaded area.

Mango & Litchi: After harvesting of Mango & litchi fruits, ploughing in the orchard are advised.

Fruit Tree: Select the suitable place for plantation of different fruit seedlings in rainy season and prepare/dug the pit and maintain the distance between pit as per requirement of fruit tree.

Milch animals: To see the increasing temperature farmers are advised to keep their animal in shade and give him regularly water.

Buffalo: Buffalo should be kept in the water-filled pond for at least half an hour every day.

Livestock: Special attention should be given to milch animals with regard to feed and water looking to high temperature. Give lot of clean water to the animals and keep them in the shaded place. If possible arrange the fogger in animal shed and sprinkling should be done at an interval of every four to five hours.

Poultry: Poultry farmers are advised to cover their poultry house with mat and keep it met so that inner temperature may maintain normal.

**Nodal Officer
Agro-Meteorology**