

NORMALLY EXPECTED WEATHER DURING JULY, 2012

July is generally a rainy month over Pakistan. Monsoon currents invade the northeastern parts, along with southeasterly winds whereas southwesterly flow prevails across the coastal belt. Existence of heat low over Balochistan and adjoining areas of Sindh and Punjab provides the driving force to monsoon which is now attaining full swing. Monsoon rains is normally during the first week of July. All Pakistan seasonal prediction of Monsoon (July-September) is expected to be +05-15% of the long term average. The probability of occurrence of rainfall on pentade basis over Potohar plains during July is as given below:-

Amount Dates	PERCENTAGE PROBABILITY OF OCCURRENCE OF DIFFERENT AMOUNT OFF RAINFALL IN JULY					
	1-5	6-10	11-16	17-20	21-25	26-31
10 mm	53	53	66	66	75	83
15 mm	49	45	58	65	73	80
25 mm	38	39	47	56	60	75

This year Northern parts of Punjab which forms the monsoon belt are expected to receive 250 mm precipitation, Central Punjab about 200 mm and southern Punjab as well as KPK around 150 mm. Sindh and Balochistan may get significant amount of precipitation from Agrometeorological point of view during the month. However, areas adjoining the coast would experience July precipitation ranging between 100 mm and 200 mm.

Evaporative demand of the atmosphere is likely to maintain the level of June, which was close to normal. ETo values may range between 5 and 8 mm/day throughout the country with an increasing trend toward south. The mean daily R.H% is also expected to range from 60 to 70% except arid zone where it may be around 40%.

The mean daily temperature is likely to vary from 30 to 34°C over low elevation plains whereas in and around Quetta valley, it may be about 28°C. The mean daily maximum temperatures may range between 35°C and 40°C and minimum temperature 24 to 28°C. The minimum temperature averaged over the month of July may be around 20°C. The occurrence of moderate or severe hygrothermal stress is not expected anywhere in the country because of increasing level of relative humidity due to monsoon air mass.

The water requirement of full-canopied crop is given as under:-

S.No	Region	Water Requirement	
		(mm)	Cubic Meter/ Hectare
1	Northern and Central Punjab and Lower KPK	300-330	3000-3300
2	Southern Punjab and Balochistan	365-370	3650-3700
3	Upper KPK	380-385	3800-3850