

## **MOISTURE REGIME DURING FEBRUARY, 2012**

Winter rains generally continue from December to March in Pakistan. During this February below normal rains were reported in most of the agricultural plains of the country except Skardu, where above normal rain was reported. Dry weather was observed in most of the agricultural plains of Sindh and Balochistan.

The highest amount of rainfall was reported 221mm in Parachinar, followed by 211mm in Malam Jaba, 209mm in Pattan, 181mm in Dir, 146mm in Rawalakot and 139mm at Balakot.

Numbers of rainy days recorded in most of the areas ranged from 05 to 13days. The maximum number of rainy days in the country was observed 13 at Skardu, followed by 10days in Peshawar, D.I.Khan and Quetta each.

The evaporative demand of the atmosphere represented by reference crop evapotranspiration (ET<sub>o</sub>) remained normal to below normal in all agricultural plains of the country.

The mean daily Relative Humidity (R.H) remained normal to below normal in most of the agricultural plains of the country except in Skardu, Rawalpindi, and Tandojam where it remained above normal due to satisfactory rainfall and cloudy atmosphere in these areas. Maximum value of mean Relative humidity was observed 66% at Rawalpindi followed by 65% at Skardu; the minimum value was observed 39% at Rohri and D.I. Khan each followed by 42% at Multan. Number of days with mean R.H more than or equal to 80% was observed for 4 days at Jhelum and Skardu each, followed by 3 days at Peshawar/Kamra and for a single day at Jhelum/Sargodha each.

From overall analysis, it is evident that satisfactory atmospheric and soil moisture conditions observed in this month in most of the agricultural plains. Rains occurred in this month have produced good atmospheric conditions for the development and growth of the crops. Therefore normal to above normal yield of Rabi crops especially of wheat crop is expected this year both in rainfed as well as in rainfed areas.

**MOISTURE REGIME DURING FEBRUARY, 2012**

STATION	PRECIPITATION (MM)			REFERENCE CROP EVAPOTRANSPIR- ATION (ET <sub>o</sub> ) (MM/DAY)	RELATIVE HUMIDITY	
	TOTAL	No. OF DAYS	OF ≥ 5 MM/DAY		MEAN	No. OF DAYS WITH MEAN R.H ≥ 80%
<b>PESHAWAR</b>	21.6 (42.7)	10	19.3	1.5 (2.4)	52 (57)	03
<b>D.I. KHAN</b>	8.3 (17.5)	10	0.0	1.8 (2.6)	39 (55)	00
<b>KAMRA</b>	43.0 ---	05	39.0	--- ---	58 ---	03
<b>RAWALPINDI</b>	48.4 (73.5)	07	45.4	1.5 (2.3)	66 (62)	04
<b>JHELUM</b>	16.7 (50.0)	07	14.0	2.0 (2.6)	50 (61)	01
<b>SARGODHA</b>	15.8 (23.1)	07	12.8	1.5 (2.6)	58 (61)	01
<b>LAHORE</b>	6.8 (28.6)	06	0.0	2.1 (2.7)	48 (58)	00
<b>FAISALABAD</b>	7.5 (20.1)	05	0.0	2.1 (2.6)	47 (61)	00
<b>MULTAN</b>	0.5 (9.5)	07	0.0	2.4 (2.7)	42 (57)	00
<b>KHAN PUR</b>	0.0 (5.4)	00	0.0	2.4 (3.0)	46 (52)	00
<b>QUETTA</b>	35.7 (49.0)	10	28.9	1.4 (1.2)	61 (65)	00
<b>ROHRI</b>	0.0 (8.0)	00	0.0	2.6 (3.3)	39 (49)	00
<b>TANDOJAM</b>	0.0 (3.9)	00	0.0	2.7 (3.9)	48 (45)	00
<b>GILGIT</b>	2.6 (6.0)	08	0.0	1.4 (1.3)	47 (50)	00
<b>SKARDU</b>	40.7 (24.3)	13	27.8	1.1 (1.0)	65 (63)	04