Meteorological data for the month of JULY, 2025 , PAU Ludhiana Latitude: 30º 54' N Longitude : 75º 48' E

Station: Punjab Agricultural University, Ludhiana (For Research Purpose Only)

Height above mean sea level: 247 meters, Hours of observation: Morning (M) 0730 hours IST Evening (E) 1430 hours IST

Date	Air Tempearature (ºC)			Soil Temperature (ºC) 5 Cm Depth			10 Cm Depth			20 Cm Depth			Relative Humidity (%)			Wind Speed (Km/h)	Direction		Sun-Shine (hrs)	Rain-fall (mm)	Evapo-ration (mm)
	Max.	Min.	Mean	M	E	Mean	M	E	Mean	M	E	Mean	M	E	Mean		M	E			
1	2	3	4	5	6	7	8	9	10	14	15	16	17	18	19	23	24	25	26	27	28
1	32.5	28.0	32.5	30.4	38.5	38.5	31.5	35.5	33.5	33.8	33.8	33.8	88	70	79	7.6	NE	SE	3.2	0.0	4.0
2	36.0	26.9	36.0	29.5	45	37.3	31.2	40.1	35.7	33.5	34.5	34.0	86	58	72	10.2	SE	SE	6.2	0.0	5.0
3	34.5	29.5	34.5	32.0	39.5	35.8	33.5	36.0	34.8	35.2	34.5	34.9	80	66	73	6.3	S	NE	2.3	0.0	6.0
4	37.0	29.0	37.0	32.2	43.2	37.7	33.0	38.5	35.8	34.6	35.5	35.1	81	55	68	7.4	SE	W	4.5	0.0	5.0
5	38.0	29.5	38.0	33.0	47.5	40.3	34.0	41.5	37.8	35.1	36.5	35.8	81	57	69	6.3	SE	S	5.5	TRACE	6.0
6	32.0	28.0	32.0	32.0	37.0	34.5	34.5	35.5	35.0	36.4	35.2	35.8	81	65	73	6.3	SE	S	0.0	0.0	6.7
7	30.5	25.5	30.5	31.0	32.5	31.8	32.0	32.5	32.3	34.5	34.5	34.5	97	85	91	6.8	NE	NE	0.0	**21.2**	5.2
8	34.5	26.4	34.5	29.5	38.0	33.8	30.0	35.5	32.8	32.0	32.8	32.4	88	72	80	3.1	E	NW	6.4	**32.0**	4.0
9	31.2	25.9	31.2	28.5	29.5	29.0	30.0	31.2	30.6	32.0	32.0	32.0	84	95	90	4.1	ENE	S	0.3	0.0	4.7
10	28.5	22.5	28.5	27.5	33.8	30.7	28.2	31.2	29.7	30.0	30.0	30.0	93	76	85	5.7	SE	S	2.1	**53.0**	6.5
11	33.5	25.0	33.5	28.5	37.4	33.0	28.8	34.2	31.5	30.0	31.4	30.7	92	65	79	5.6	SE	SSW	7.2	**2.4**	2.8
12	34.0	27.0	34.0	29.5	37.5	33.5	30.0	34.0	32.0	31.5	32.0	31.8	85	67	76	3.3	NE	SE	4.2	0.0	4.0
13	32.5	28.0	32.5	29.5	34.0	31.8	30.0	32.5	31.3	31.5	31.6	31.6	85	73	79	2.9	SE	NE	1.6	TRACE	4.0
14	29.5	27.6	29.5	29.2	27.0	28.1	29.5	28.0	28.8	31.4	30.5	31.0	82	96	89	3.8	NE	N	0.0	**6.8**	2.8
15	32.5	23.4	32.5	27.2	34.0	30.6	27.4	31.5	29.5	28.5	29.5	29.0	87	68	78	6.5	NE	SE	7.6	**69.2**	5.2
16	30.5	25.4	30.5	27.8	31.4	29.6	28.0	30.5	29.3	29.5	29.5	29.5	89	91	90	10.5	SE	S	0.0	**16.0**	4.0
17	32.5	26.5	32.5	28.0	32.8	30.4	28.2	32.0	30.1	29.5	30.2	29.9	92	89	91	6.8	SE	SE	5.5	**6.6**	3.1
18	33.5	26.9	33.5	28.6	35.5	32.1	28.8	34.6	31.7	30.0	30.8	30.4	89	70	80	6	ESE	ESE	4.1	**10.2**	4.2
19	34.0	27.0	34.0	29.0	35.5	32.3	29.2	34.0	31.6	30.5	31.2	30.9	76	66	71	4.8	N	E	10.2	0.0	4.6
20	33.4	27.5	33.4	29.0	37.5	33.3	29.5	35.5	32.5	31.2	32.7	32.0	79	66	73	7.9	E	SE	9.1	0.0	7.0
21	34.4	27.4	34.4	29.2	39.5	34.4	30.0	36.0	33.0	32.0	32.8	32.4	85	65	75	4	SE	SE	0.4	0.0	5.0
22	31.0	26.7	31.0	29.4	34.5	32.0	30.2	32.0	31.1	32.0	31.5	31.8	91	79	85	8.2	S	SE	0.0	0.0	3.2
23	33.5	27.0	33.5	29.2	41.0	35.1	29.5	35.2	32.4	31.0	32.5	31.8	85	72	79	6.6	SW	NE	2.5	**0.8**	2.8
24	34.5	27.5	34.5	30.0	43.0	36.5	30.4	38.0	34.2	31.8	33.4	32.6	87	58	73	4.3	SE	N	6.0	0.0	4.0
25	35.0	26.0	35.0	29.5	41.5	35.5	30.5	37.5	34.0	32.5	33.5	33.0	85	67	76	4.2	NW	SW	7.2	0.0	4.7
26	36.0	29.5	36.0	31.5	35.5	33.5	32.4	34.5	33.5	33.6	34.0	33.8	85	60	73	2.5	E	N	2.4	0.0	6.0
27	36.2	28.4	36.2	30.0	43.0	36.5	31.0	38.4	34.7	32.5	33.6	33.1	88	62	75	3.2	SW	E	2.2	**1.0**	3.0
28	37.0	28.8	37.0	31.4	45.2	38.3	32.4	40.2	36.3	33.8	35.0	34.4	87	58	73	4.8	S	W	7.3	0.0	4.0
29	35.5	29.0	35.5	32.5	39.5	36.0	33.4	38.2	35.8	34.8	35.6	35.2	76	85	81	5.8	SW	SE	3.1	0.0	5.0
30	32.0	25.5	32.0	29.0	36.4	32.7	30.2	33.4	31.8	32.8	32.8	32.8	89	73	81	9.2	SE	NE	2.5	**10.8**	5.8
30	30.5	26.0	30.5	28.8	33.0	30.9	29.8	32.6	31.2	32.0	31.8	31.9	90	81	86	8.2	NE	SE	0.0	0.0	4.0
ME	33.4	27.0	33.5	29.8	37.5	33.8	30.6	34.9	32.8	32.3	32.8	32.5	86	71	78	5.8			3.8	230.0	142.3

Total rainfall during the month 230.0mm

Departure of rainfall from normal 0

Total evaporation during the month from the open pa for 28days 142

5 = Drizzling 3 = sand storm

6 = Rain 4 = Fog or Mist