

Meteorological data for the month of JULY, 2025 , PAU Ludhiana Latitude: 30° 54' N Longitude : 75° 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 Temperature			Soil Temperature									Relative Humidity			Vapour Pressure			Wind			Sun-Shine (hrs)	Rain-fall (mm)	Evaporation (mm)	Weather Remarks				
	°C			5 Cm Depth			10 Cm Depth			20 Cm Depth			%			mm			Speed (Km/h)	Direction									
	Max.	Min.	Mean	M	E	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	11	12	13	14	15	16	17	18	19	20	21						22	23	24
1	28.5	23.4	26.0	27.0	28.0	27.5	28.0	27.5	27.8	29.2	27.0	28.1	90	93	92	21.1	23.2	22.2	2.9	NW	SE	1.9	7.8	3.2	4	4			
2	35.6	26.0	30.8	28.0	38.5	33.3	28.5	36.0	32.3	29.0	34.0	31.5	83	56	70	25.1	23.1	24.1	4.4	C	SE	9.6	0.0	6.6	1	1			
3	35.0	29.0	32.0	28.8	36.0	32.4	29.0	33.0	31.0	29.6	32.0	30.8	81	61	71	24.5	24.2	24.4	5.6	SE	SE	3.6	0.0	4.0	1	1			
4	35.2	29.4	32.3	29.0	34.0	31.5	29.5	33.5	31.5	30.5	33.0	31.8	75	79	77	25.2	26.4	25.8	4.3	SE	C	3.7	13.0	3.6	0	4			
5	35.6	29.4	32.5	30.0	37.5	33.8	30.5	36.0	33.3	31.5	34.5	33.0	81	64	73	26.1	27.5	26.8	7.5	SE	SE	1.6	0.0	4.6	1	1			
6	33.6	27.0	30.3	29.0	33.0	31.0	29.5	31.0	30.3	30.0	30.0	30.0	83	68	76	25.4	22.7	24.1	3.9	C	SE	3.2	1.0	3.6	2	0			
7	32.8	28.4	30.6	28.0	36.0	32.0	28.5	33.5	31.0	29.0	31.5	30.3	84	73	79	26.3	25.8	26.1	3.5	SE	NW	4.1	53.8	4.6	1	1			
8	33.2	28.2	30.7	29.0	37.0	33.0	29.5	34.5	32.0	30.0	33.5	31.8	84	68	76	26.6	25.7	26.2	1.9	C	C	2.4	8.6	3.8	1	2			
9	32.4	27.8	30.1	29.0	34.5	31.8	29.5	33.5	31.5	30.0	33.0	31.5	83	70	77	23.9	23.8	23.9	4.9	NW	NW	1.3	0.0	4.0	1	1			
10	30.4	26.4	28.4	28.0	33.0	30.5	28.4	31.5	30.0	28.8	31.0	29.9	84	71	78	22.5	21.9	22.2	6.6	SE	SE	1.8	0.0	4.0	1	1			
11	34.8	27.0	30.9	28.0	39.5	33.8	28.2	35.5	31.9	28.6	33.5	31.1	79	53	66	23.5	21.7	22.6	1.8	C	C	5.5	0.0	4.0	1	1			
12	31.0	27.6	29.3	29.0	32.5	30.8	29.5	31.5	30.5	30.0	31.0	30.5	72	79	76	23.3	25.5	24.4	0.3	C	C	0.0	1.0	3.0	1	4			
13	33.4	28.0	30.7	28.5	35.5	32.0	29.0	33.5	31.3	29.5	32.0	30.8	88	57	73	25.8	21.5	23.7	1.5	C	NE	2.4	0.0	3.0	1	0			
14	32.0	28.2	30.1	28.5	30.0	29.3	29.0	29.5	29.3	29.5	29.0	29.3	73	85	79	22.9	24.1	23.5	5.5	SE	C	0.9	2.2	1.6	1	1			
15	34.0	27.0	30.5	27.2	36.0	31.6	27.6	33.5	30.6	28.2	32.0	30.1	77	58	68	22.3	22.7	22.5	12.5	SE	SE	5.6	4.6	4.6	1	1			
16	32.0	27.6	29.8	28.0	34.5	31.3	28.5	32.5	30.5	29.0	31.0	30.0	83	69	76	23.6	24.2	23.9	9.4	SE	SE	5.6	1.2	5.2	1	1			
17	32.2	27.4	29.8	28.0	35.5	31.8	28.5	33.5	31.0	29.0	32.0	30.5	81	67	74	24.2	23.8	24.0	5.7	SE	SE	6.6	2.0	4.5	1	1			
18	31.8	28.0	29.9	28.5	32.0	30.3	29.0	31.0	30.0	29.7	30.5	30.1	83	75	79	25.4	24.1	24.8	1.7	C	SE	0.7	0.0	2.0	1	1			
19	34.8	27.2	31.0	28.0	41.0	34.5	28.4	38.0	33.2	28.8	35.5	32.2	70	61	66	23.2	24.5	23.9	4.9	SE	SE	10.2	0.0	4.0	0	1			
20	34.6	28.8	31.7	29.5	43.0	36.3	30.0	40.0	35.0	30.5	37.5	34.0	71	55	63	24.2	22.7	23.5	1.9	C	SW	8.1	0.0	6.0	0	1			
21	31.6	29.0	30.3	30.0	35.0	32.5	30.5	34.5	32.5	31.0	34.0	32.5	79	83	81	24.1	22.4	23.3	5.7	C	SE	0.0	66.4	OVER	1	4			
22	27.0	25.2	26.1	27.0	27.5	27.3	27.5	27.0	27.3	28.5	26.5	27.5	95	93	94	23.1	23.2	23.2	4.1	SE	SE	0.0	23.4	3.4	4	4			
23	32.4	25.8	29.1	26.8	34.5	30.7	27.0	32.5	29.8	27.6	30.5	29.1	90	69	80	23.9	24.5	24.2	1.9	SE	C	0.2	0.0	2.4	4	1			
24	34.8	27.0	30.9	27.4	37.5	32.5	28.0	35.0	31.5	28.8	33.5	31.2	89	63	76	26.6	25.8	26.2	2.5	C	NW	8.2	0.0	4.0	0	1			
25	35.0	27.4	31.2	28.0	40.0	34.0	28.5	37.0	32.8	29.0	34.5	31.8	82	63	73	24.6	26.4	25.5	3.5	NW	NW	10.0	0.0	5.0	0	1			
26	36.0	28.0	32.0	29.0	39.0	34.0	29.5	36.0	32.8	30.0	34.0	32.0	78	65	72	23.3	27.2	25.3	1.7	SE	C	3.0	0.0	4.2	0	1			
27	36.2	29.2	32.7	29.5	37.0	33.3	30.0	35.0	32.5	30.5	33.5	32.0	75	58	67	26.7	25.5	26.1	4.2	C	C	3.6	0.0	5.6	0	0			
28	34.6	28.6	31.6	29.0	33.0	31.0	29.5	32.5	31.0	30.0	32.0	31.0	74	84	79	23.3	26.6	25.0	5.4	SE	SE	0.8	29.4	3.4	0	1			
29	30.0	26.4	28.2	28.0	32.5	30.3	28.4	31.0	29.7	29.0	30.5	29.8	90	78	84	23.9	24.3	24.1	8.1	N	SE	0.0	2.5	3.3	4	1			
30	30.2	26.6	28.4	28.0	32.0	30.0	28.4	30.5	29.5	28.4	30.5	29.5	89	82	86	24.3	24.9	24.6	4.0	C	SE	0.0	42.4	3.4	1	1			
31	29.2	25.2	27.2	27.0	31.5	29.3	27.5	30.5	29.0	27.5	30.5	29.0	95	83	89	23.9	25.1	24.5	5.6	C	SE	0.4	1.6	3.0	4	4			
ME	32.9	27.4	30.2	28.3	35.0	31.7	28.8	33.2	31.0	29.4	32.0	30.7	82	70	76	24.3	24.4	24.3	4.4			3.4	260.9	117.6					

Total rainfall during the month 260.9mm 0 = Fair Weather 5 = Drizzling 3 = sand storm
 Departure of rainfall from normal 40.5 mm 1 = Variable sky 6 = Rain 4 = Fog or Mist
 Total evaporation during the month from the open pan for 31days 117.6mm 2 = mainly overcast
 Total no. of rainy days during the month 10 days