



Average Monthly Agromet Data @ Hisar (1970-2005)

Dept of Agril Meteorology, CCS HAU Hisar

Coordinates: Lat: 29°10'N; Long: 75°46'E, Alt: 215 m amsl

Time of Observations: Morning (0727 LMT) & Evening (1427 LMT)

Month	Max Temp °C	Min Temp °C	Gmin Tnp °C	AVP (mm) M	AVP (mm) E	RH (%) M	RH (%) E	Avg (WS) Km/hr	BRI SUN Hrs	PAN Evap (mm)	RAIN FALL (mm)
January	19.7	4.7	1.5	6.6	7.6	88.6	47.5	3.9	6.6	1.9	13.0
February	22.8	6.8	3.6	7.6	8.5	85.9	43.0	5.0	7.9	3.0	17.1
March	28.5	11.0	-	9.9	9.8	80.8	35.7	5.5	8.3	4.7	12.0
April	36.2	17.2	-	12.0	9.8	61.6	23.7	6.3	9.3	8.5	11.6
May	40.2	22.8	-	13.8	11.4	51.0	22.4	8.8	8.5	11.5	28.4
June	40.0	26.0	-	18.3	16.2	59.0	33.3	10.6	6.8	11.0	50.7
July	36.2	26.3	-	22.4	21.5	76.5	54.2	9.6	6.1	7.5	131.4
August	34.8	25.4	-	22.6	22.1	81.1	57.8	7.2	7.1	5.9	112.4
September	34.9	22.5	-	19.5	18.4	79.3	47.6	5.7	8.5	5.9	57.9
October	33.4	16.1	-	13.3	11.4	77.7	31.7	3.6	8.9	5.0	10.7
November	28.5	9.7	-	9.1	8.7	81.3	32.3	2.8	8.3	3.3	3.7
December	22.4	5.4	1.9	6.9	7.8	87.1	41.4	3.1	6.9	2.0	4.5

These data are for scientific reference only

Average Weekly Agromet Data @ Hisar (1970-2005)

Dept of Agril Meteorology, CCS HAU Hisar

Week #	Max Temp	Min Temp	Gmin Tmp	AVP (mm)	AVP (mm)	RH (%)	RH (%)	Avg (WS)	BRI SUN	PAN Evap	RAIN FALL
(SMW)	°C	°C	°C	M	E	M	E	Km/hr	Hrs	(mm)	(mm)
1	19.6	4.5	1.8	6.4	7.5	89	48	3.5	6.3	1.7	2.4
2	19.5	4.5	1.7	6.8	7.6	89	48	3.5	6.3	1.7	3.4
3	19.3	4.5	0.7	6.5	7.4	88	48	3.9	6.6	1.8	2.7
4	20.3	5.2	1.7	6.7	7.7	88	46	4.4	7.2	2.1	3.0
5	20.5	5.1	1.8	6.7	7.6	88	44	4.3	7.4	2.3	2.4
6	21.7	5.5	2.8	6.9	7.9	87	43	4.8	8.1	2.6	3.7
7	23.0	7.6	4.5	7.9	8.7	86	44	4.9	7.6	2.9	4.0
8	23.6	7.5	4.1	8.0	8.9	85	43	5.4	8.0	3.3	6.6
9	24.8	8.5	-	8.5	9.3	84	41	5.3	8.1	3.7	2.9
10	26.9	9.7	-	9.0	9.5	83	38	5.6	8.0	4.2	3.8
11	28.3	11.0	-	10.0	10.2	82	37	5.5	8.2	4.5	2.4
12	29.5	11.9	-	10.5	9.9	80	34	5.4	8.4	5.2	3.0
13	31.7	13.4	-	11.3	10.2	76	30	5.3	8.9	5.9	1.8
14	33.5	14.4	-	11.4	8.8	70	24	5.8	9.2	7.0	2.5
15	35.6	16.2	-	11.7	9.4	63	23	5.9	9.3	7.9	3.8
16	36.9	17.8	-	12.2	10.2	58	24	6.4	9.5	9.1	2.7
17	39.0	20.2	-	12.8	10.6	54	22	7.0	9.2	10.2	1.8
18	39.2	20.9	-	12.8	10.6	52	22	7.4	9.1	10.6	4.7
19	39.8	22.3	-	13.8	11.6	53	23	8.6	8.9	11.1	4.7
20	40.5	23.0	-	13.6	11.0	50	21	8.7	8.6	11.7	5.9
21	40.7	24.0	-	14.2	11.5	49	22	9.6	7.8	12.0	5.4
22	40.9	24.3	-	15.1	12.4	52	24	9.8	7.7	12.1	10.8
23	40.9	25.2	-	16.4	13.8	53	27	10.5	7.1	11.9	7.3
24	40.1	26.0	-	18.1	15.8	58	31	11.0	7.0	11.4	10.3
25	39.6	26.7	-	19.4	17.6	61	36	10.9	6.3	10.8	11.7
26	38.5	26.8	-	21.1	19.7	68	45	10.3	5.8	9.3	21.0
27	37.7	26.6	-	21.8	20.8	72	49	10.1	6.6	8.8	25.0
28	36.5	26.3	-	22.2	21.4	77	54	9.9	5.7	7.7	24.7
29	35.5	26.0	-	22.7	21.7	79	56	9.3	6.0	6.9	41.9
30	35.3	26.2	-	22.8	22.1	79	58	9.0	6.1	6.7	31.9
31	34.8	26.0	-	22.9	22.2	81	59	8.4	6.0	6.0	35.5
32	34.7	25.6	-	23.0	22.3	82	59	7.4	6.5	5.8	27.0
33	34.8	25.4	-	22.8	22.4	81	58	7.0	7.0	5.9	21.5
34	35.1	25.2	-	22.5	22.0	81	57	6.7	8.0	6.0	22.2
35	35.0	24.6	-	21.5	21.1	80	54	6.6	8.2	6.2	16.7
36	34.9	23.9	-	20.5	19.5	79	51	7.0	8.2	6.1	14.8
37	34.7	23.1	-	20.0	19.4	80	51	5.7	8.1	5.7	20.8
38	35.1	22.0	-	19.0	18.1	79	46	5.0	8.8	5.8	5.6
39	34.6	20.5	-	17.8	16.1	79	42	5.0	8.8	5.6	12.3
40	34.4	18.9	-	15.6	14.0	78	37	4.2	9.1	5.6	4.1
41	34.4	17.6	-	14.5	12.5	78	33	3.8	9.0	5.2	0.6
42	33.2	15.5	-	12.7	10.6	78	31	3.7	8.8	4.9	4.5
43	32.2	13.7	-	11.4	9.3	77	27	3.2	8.8	4.5	1.1
44	31.3	12.4	-	10.6	9.1	78	29	2.9	8.6	4.1	2.1
45	30.2	11.1	-	9.8	9.2	80	31	2.9	8.6	3.6	0.1
46	28.8	10.1	-	9.3	8.9	82	32	2.7	8.4	3.2	0.1
47	27.2	8.6	-	8.4	8.3	83	33	2.9	8.0	3.0	0.2
48	25.3	6.7	-	7.5	7.8	84	35	2.9	7.8	2.6	1.7
49	24.4	5.8	2.0	6.9	7.5	84	34	2.7	7.9	2.4	0.7
50	23.2	5.6	2.4	7.1	8.5	87	40	3.1	7.3	2.1	0.8
51	21.6	5.2	1.8	6.8	7.7	88	44	3.1	6.4	1.8	1.2
52	20.1	4.8	1.4	6.6	7.6	89	49	3.4	6.0	1.6	1.7

Standard Meteorological Weeks (SMW)			
SMW #	DATES	SMW #	DATES
1	Jan 01- 07	27	Jul 02 - 08
2	Jan 08 -14	28	Jul 09 - 15
3	Jan 15 - 21	29	Jul 16 - 22
4	Jan 22 - 28	30	Jul 23 - 29
5	Jan 29 - Feb 04	31	Jul 30 - Aug 05
6	Feb 05 - 11	32	Aug 06 - 12
7	Feb 12 -18	33	Aug 13 - 19
8	Feb 19 - 25	34	Aug 20 - 26
9*	Feb 26 - Mar 04	35	Aug 27 - Sep 02
10	Mar 05 - 11	36	Sep 03 - 09
11	Mar 12 -18	37	Sep 10 -16
12	Mar 19 - 25	38	Sep 17 - 23
13	Mar 26 - Apr 01	39	Sep 24 - 30
14	Apr 02 - 08	40	Oct 01 - 07
15	Apr 09 - 15	41	Oct 08 - 14
16	Apr 16 - 22	42	Oct 15 - 21
17	Apr 23 - 29	43	Oct 22 - 28
18	Apr 30 - May 06	44	Oct 29 - Nov 04
19	May 07 -13	45	Nov 5 - 11
20	May 14 - 20	46	Nov 12 -18
21	May 21- 27	47	Nov 19 - 25
22	May 28 - Jun 03	48	Nov 26 - Dec 02
23	Jun 04 -10	49	Dec 03 - 09
24	Jun 11-17	50	Dec 10 -16
25	Jun 18 - 24	51	Dec 17 - 23
26	Jun 25 - Jul 01	52**	Dec 24 - 31

* SMW # 9 has 8 days in the leap year

** SMW # 52 has 8 days, uniformly

Weather Events @ Hisar

Temperature Extremes

Highest value of Maximum Temperature during Summer : **47.5⁰C** (26th & 28th May, 1998)

Lowest value of Maximum Temperature during Summer : **23.6⁰C** (7th April, 1990)

Highest value of Minimum Temperature during Winter : **17.5⁰C** (25th February, 1973)

Lowest value of Minimum Temperature during Winter : **-3.5⁰C** (8th January, 2006)

Rainfall Extremes

Time scale	Amount (mm)	Period	Normal
Hourly	41.5	1330-1430 hrs (21 July, 1993)	NA
Daily	182.4	5 August, 1985	7.0
Weekly	234.1	39 th SMW, 1988	12.7
Monthly	365.8	August, 1976	123.0
Monsoonal	607.4	1976	360.0
Annual	770.3	1997	455.0

Miscellaneous Events

Cold Waves

- Moderate: 53 events
- Sever: 17 events

Averaged Foggy/frosty days and dew nights in winter

- 20 Foggy days
- 5 Frosty days
- 135 Dew Nights

Averaged Daily Pan Evaporation

- 13.1 mm on 29th May (Highest value)
- 1.4 mm on 10th January (lowest value)

Averaged Daily Grass Minimum Temperature

- 0.0^oC on 18th January (lowest value)
- 12.2^oC on 29th March (Highest value)

Averaged Daily Bright Sunshine Hours

- 10.1 hours on 11 April (Highest value)
- 4.5 hours on 1 July (Lowest value)

Averaged Rainy Days

- 28 rainy days (Annual)
- 20 rainy days (Monsoon)