



Average Monthly Agromet Data @ Karnal (1972-2006)

CSSRI, Karnal

Coordinates - Lat: 29°43' N; Long: 76°58'E, Alt: 245 m amsl

Time of Observations - Morning (0722 LMT) & Evening (1422 LMT)

Month	Max Temp °C	Min Temp °C	Gmin Temp °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	19.0	6.4	2.2	7.5	8.9	93	57	3.5	6.5	1.5	27.3
February	22.0	8.4	4.2	8.5	9.7	90	51	4.1	7.7	2.4	27.8
March	27.2	12.3	8.6	11.1	11.1	83	42	4.5	8.4	3.9	27.5
April	35.3	17.6	13.3	12.0	9.5	60	24	4.9	9.6	7.3	14.5
May	38.5	22.9	19.1	14.4	12.2	53	26	6.3	9.7	9.4	26.1
June	37.6	25.4	23.1	19.5	18.1	67	43	6.6	8.5	8.1	91.1
July	33.8	26.1	24.5	23.8	24.0	85	67	5.6	6.5	4.9	210.3
August	32.7	25.4	24.2	24.0	24.8	88	73	4.0	6.7	3.9	200.7
September	32.7	23.0	21.4	21.5	22.1	88	64	3.3	8.1	3.7	96.7
October	31.6	16.8	13.1	15.2	14.6	86	44	2.3	8.6	3.1	17.2
November	27.3	11.2	6.3	10.4	10.1	87	39	2.4	8.0	2.2	5.9
December	21.7	7.3	2.5	7.9	8.9	91	50	2.7	6.8	1.5	14.4

These data are for scientific reference only

**Average Weekly Agromet Data @ Karnal
CSSRI, Karnal**

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	18.4	6.2	2.1	7.5	9.0	94	59	3.1	6.0	1.4	4.9
2	18.6	6.3	2.0	7.5	9.0	93	58	3.2	6.2	1.3	6.5
3	18.6	6.3	2.1	7.4	8.6	93	57	3.6	6.4	1.5	3.9
4	19.7	6.6	2.0	7.6	9.0	92	54	4.1	7.2	1.7	8.6
5	20.2	6.8	2.6	7.7	9.2	91	54	3.7	7.3	1.9	4.8
6	20.9	7.3	3.2	7.9	9.5	91	53	4.0	7.5	2.1	8.4
7	22.2	9.0	4.8	8.9	10.1	91	52	3.9	7.2	2.2	7.5
8	22.8	8.9	4.7	8.9	9.8	89	48	4.4	8.1	2.8	7.9
9	24.0	10.0	6.1	9.3	10.0	86	46	4.8	8.2	3.2	8.8
10	25.8	11.1	7.3	10.3	10.9	85	44	4.4	8.2	3.3	6.2
11	27.0	12.2	9.2	11.1	11.4	84	44	4.5	8.4	3.8	4.9
12	28.2	13.3	9.5	11.6	11.4	81	41	4.6	8.5	4.2	6.2
13	30.2	14.3	10.1	12.3	11.2	79	36	4.1	8.8	4.7	3.8
14	32.6	15.1	10.9	11.9	9.7	71	28	4.4	9.3	5.7	4.2
15	34.8	16.7	12.6	11.9	9.0	62	24	4.6	9.6	6.9	4.2
16	36.4	18.1	13.8	11.8	9.3	55	22	5.0	10.0	7.9	2.9
17	37.8	20.4	15.9	12.6	9.9	52	22	5.4	9.8	8.6	2.3
18	37.8	21.2	16.9	12.6	10.1	50	23	6.1	9.6	9.3	6.0
19	38.0	22.4	18.1	13.9	11.6	53	27	6.4	9.9	9.3	7.0
20	38.6	23.0	19.6	14.7	12.8	54	27	6.4	9.8	9.3	6.5
21	39.0	24.0	20.3	15.6	13.2	54	27	6.3	9.5	9.5	4.2
22	39.5	24.3	20.8	15.6	13.5	54	28	6.4	9.7	9.7	5.5
23	39.2	24.9	22.1	17.0	15.3	58	33	6.9	9.4	9.4	12.7
24	37.8	25.3	23.0	19.3	17.8	66	42	6.7	8.9	8.5	22.3
25	36.8	25.9	24.0	20.9	19.8	72	48	6.8	7.8	7.5	24.8
26	35.4	26.1	24.2	22.7	22.1	79	58	5.9	7.1	6.2	31.7
27	35.3	26.3	24.5	23.2	22.8	80	59	5.7	7.3	5.8	34.5
28	33.9	25.8	24.5	23.7	24.1	85	68	6.1	6.4	4.9	68.3
29	33.1	26.1	24.5	24.2	24.4	87	70	5.8	6.6	4.6	45.8
30	32.8	26.2	24.7	24.2	24.7	87	71	5.1	6.0	4.3	49.3
31	32.5	25.7	24.6	24.2	24.9	88	74	4.8	5.6	4.1	56.6
32	32.7	25.8	24.7	24.5	25.3	89	73	4.1	6.4	3.9	33.8
33	32.9	25.5	24.4	24.1	24.8	89	73	3.8	6.7	4.0	41.8
34	32.8	25.3	23.9	23.6	24.7	89	72	3.5	7.2	4.0	47.2
35	32.8	24.9	23.5	23.1	24.2	88	71	3.7	7.7	3.9	38.3
36	32.4	24.2	22.8	22.5	23.5	88	69	3.9	7.7	3.9	39.5
37	32.6	23.5	21.8	22.0	22.7	89	66	3.4	7.7	3.7	24.2
38	32.9	22.8	21.3	21.3	22.0	88	62	2.9	8.3	3.7	7.9
39	32.8	21.1	19.0	19.6	19.7	87	56	2.7	8.7	3.5	17.5
40	32.7	19.4	16.6	17.8	17.8	87	50	2.4	9.0	3.5	7.0
41	32.4	18.2	14.8	16.4	15.9	86	46	2.4	8.7	3.2	4.5
42	31.4	16.1	12.0	14.3	13.4	85	41	2.4	8.5	3.1	4.5
43	30.5	14.8	10.4	13.3	12.5	86	40	2.2	8.4	2.7	0.7
44	29.7	13.7	9.3	12.5	11.7	88	39	2.2	8.2	2.5	2.5
45	28.6	12.6	7.9	11.4	11.0	87	39	2.4	8.3	2.4	0.8
46	27.7	11.5	6.7	10.4	10.1	86	38	2.3	8.0	2.2	0.4
47	26.1	10.1	5.1	9.4	9.3	87	39	2.5	7.7	2.1	1.3
48	24.6	8.5	2.8	8.5	8.5	88	38	2.6	7.8	1.9	1.7
49	23.7	7.7	2.4	8.1	8.4	89	40	2.5	7.6	1.7	1.6
50	22.4	7.3	3.1	7.9	8.9	91	46	2.9	7.0	1.6	2.1
51	20.9	7.1	2.5	7.8	9.4	92	55	2.7	6.4	1.4	3.4
52	19.3	6.9	2.3	7.7	9.2	94	60	2.9	5.8	1.3	7.1

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