SWS Miscellaneous Publication 98-5
STATE OF ILLINOIS
DEPARTMENT OF ENERGY AND NATURAL RESOURCES

Local Ctimatotogical Data Summary
White Hall, Illinois
1901 - 1990

by Audrey A. Bryan and Wayne Armstrong

Illinois State Water Survey
1991

LOCAL CLIMATOLOGICAL DATA FOR

WHITE HALL ILLINOIS 1901-1990

Climatological Summary:

White Hall (Greene County) has a temperate continental climate, dominated by maritime tropical air from the Gulf of Mexico from about March through October. Gulf air generally supports relative humidities of about 60% during the day and 85% at night. During these months, there are occasional, brief interruptions of drier, cooler air from the Pacific Ocean, but typically only last for a few days. From November through March, the White Hall area is dominated by Pacific Ocean air. Four to six times each winter, cold, dry air from the Canadian Arctic breaks south, bringing temperatures into the teens and occasionally below zero. Average annual precipitation is about 36 inches, varying from about 21 inches in 1930 and 1953, to 51 inches in 1970. The greatest monthly precipitation was 15.77 inches in September 1926 and the least a trace in January 1986.

The greatest precipitation amount ever recorded in White Hall in 24 hours was 5.60 inches on 3 December 1982. The greatest monthly amount was 15.77 inches in September 1926.

Mean monthly high temperatures vary from 35.5°F in January to 87.6°F in July, with lows about 22°F lower. The highest daily temperature on record is 113°F recorded on 20 July 1934, whereas the lowest is -26°F occurring on 7 January 1912.

Summer day temperatures in central Illinois are usually in the 80s or 90s, with nighttime lows about 18°F lower. Humidities are relatively high, and comfort is impaired. Each summer month generally supports some 4 inches of rainfall, mostly in showers and thunderstorms, occasionally accompanied by hail and even less frequently a tornado. Summer winds are usually out of the south-west.

Ground frost is common from January until March. Average annual snowfall is about. 20 inches. Although White Hall has experienced heavy snowstorms, snowfalls of 6 inches or more are not expected more than about once every other year. January and February typically receive more snow than other months. However, the month with greatest snowfall ever was March 1960 with 24.0 inches. It is unusual for snowcover to continue in central Illinois for more than a few weeks at one time.

Climatological Summary
Means and Extemes For Period 1902-1990

Latitude N39 26
Longitude W90 23

White Hall, Illinois
Elevation 578

	Temperature										Degree Days			Precipitation								Snow				
	Means			Extremes				Nunber of Days							Greatest		Greatest		Nunber Days With			Greatest		Greatest		
	Ave	Ave	Ave	High		Low		Max		Min	Heat	Cool	Grow		Monthly		Dailyt+					Mon		Snow		
Mon	Max	Min	Mean	Temp	Date	Temp	Date	>=90	<=32	<=32	<=0	Base 65F	Base 65F	Base 50F	Mean	Amount	Year	Amount	Date	>=0.1	>=0.5	>=1.0	Mean	Anount	Year	Depth	Date
Jan	35.5	16.2	26.1	77	23/09	-26	7/12	0	12	28	5	1,218	0	2	1.38	5.32	1907	2.32	13/11	3	1	0	4.3	17.5	1987	10	7/40/
Feb	40.5	20.3	30.7	83	10/32	-25	13/05	0	7	24	2	979	0	5	1.60	5.48	1908	1.90	14/09	4	1	0	4.5	16.5	1908	20	20/19
Mar	52.9	31.5	42.5	94	22/07	-13	5/78	0	2	17	0	712	2	51	3.20	7.97	1922	2.78	14/22	6	2	1	2.0	24.0	1960	18	11/60/
Apr	65.9	42.9	54.6	93	10/30	11	5/20	0	0	4	0	345	19	190	3.53	8.60	1970	3.98	30/70	7	2	1	0.2	6.2	1920	5	4/20/
May	75.3	52.2	64.0	103	31/34	22	1/07	1	0	0	0	123	78	422	4.36	11.15	1943	3.00	5/77	6	3	1					
Jun	84.0	61.2	72.8	106	28/34	35	3/46	7	0	0	0	12	232	670	3.57	12.35	1945	4.22	9/45	6	2	1					
Jul	87.6	65.3	76.7	113	20/34	35	19/18	12	0	0	0	2	349	811	3.61	12.40	1981	4.46	26/81	6	2	1					
Aug	85.3	62.8	74.3	112	9/34	41	27/10	7	0	0	0	5	277	735	3.10	9.90	1946	4.80	16/46	5	2	1					
Sep	78.9	55.6	67.5	104	6/13	5	28/42	3	0	0	0	70	131	512	3.54	15.77	1926	5.39	4/26	6	3	1					
Oct	68.0	44.3	56.4	95	7/39	13	30/25	0	0	4	0	304	22	229	2.80	12.43	1941	3.52	5/41	6	2	0	0.0	1.0	1916	1	29/25/
Nov	53.8	33.7	44.0	84	7/15	-6	30/29	0	1	15	0	644	0	53	2.73	8.48	1985	3.63	22/42	5	2	1	0.6	13.5	1932	10	16/32
Dec	39.8	22.0	31.2	74	15/48	-20	22/89	0	8	26	2	1,065	0	7	2.66	9.51	1982	5.60	3/82	5	2	1	3.5	12.1	1909	9	25/15/
Ann	65.4	44.2	55.0					35	24	105	5	4983	1206	3896	36.08					65	24	9	15.1				

Means based on 1961-1990 data
Extremes based on 1902-1990 data

\+ Calendar Day
/ Records also occurred on the following days:
Jan: Snow depth 1/8-10/40, and 1/13-16/64
Mar: Snow depth 3/16/60
Apr: Snow depth 4/14/80
Oct: Snow depth 10/23/29
Dec: Snow depth 12/27/15

Probabilities: Precipitation (in) Missing Data: 0.3%
Station: White Hall 1 E Years: 1961 To 1990

	1%	5%	10%	25%	50%	75%	90%	95%	99%
Ja	0.00	0.10	0.24	0.56	1.11	1.91	2.88	3.58	5.15
Fe	0.10	0.25	0.38	0.72	1.31	2.16	3.18	3.91	5.54
Ma	0.54	0.96	1.27	1.92	2.89	4.15	5.54	6.50	8.57
Ap	0.72	1.20	1.53	2.23	3.24	4.51	5.90	6.85	8.89
Ma	0.76	1.34	1.75	2.64	3.95	5.64	7.51	8.80	11.58
Jn	0.70	1.18	1.52	2.24	3.27	4.58	6.02	7.01	9.12
Ju	0.48	0.93	1.27	2.03	3.19	4.74	6.50	7.72	10.38
Au	0.43	0.82	1.11	1.76	2.75	4.06	5.54	6.57	8.80
Se	0.37	0.78	1.11	1.86	3.06	4.70	6.58	7.91	10.82
Oc	0.33	0.67	0.93	1.52	2.45	3.70	5.13	6.13	8.32
No	0.28	0.59	0.85	1.43	2.36	3.63	5.11	6.14	8.42
De	0.21	0.50	0.73	1.30	2.25	3.57	5.12	6.22	8.67
An	20.81	24.57	26.75	30.69	35.51	40.80	45.99	49.29	55.89
Wi	1.06	1.82	2.36	3.49	5.15	7.27	9.61	11.21	14.65
Sp	4.86	6.26	7.12	8.72	10.77	13.11	15.50	17.05	20.21
Su	3.53	4.93	5.81	7.54	9.82	12.53	15.36	17.23	21.12
Fa	3.62	4.81	5.54	6.94	8.75	10.85	13.01	14.42	17.32

Growing Season Summary
White Hall 1 E
Years: 1961 To 1990 Missing Data: 0.5%

Base	Date of Last Spring Occurrence					Date of First Fall Occurrence				
Temp	Median	Early	10%	90%	Late	Median	Early	10%	90%	Late
32	4/14	3/31	4/04	5/01	5/10	10/17	10/02	10/05	11/03	11/05
28	4/09	3/14	3/27	4/22	5/04	10/30	10/03	10/17	11/14	11/20
24	3/27	3/07	3/12	4/08	4/12	11/12	10/08	10/24	11/27	12/02
20	3/15	2/07	2/21	3/27	3/31	11/20	10/12	11/07	12/04	12/15
16	3/08	2/07	2/10	3/25	3/26	12/02	11/07	11/13	12/15	12/22

Base	Length of Season (Days)				
Temp	Median	Shortest	10%	90%	Longest
32	185	160	163	206	215
28	206	171	186	226	233
24	228	187	208	257	262
20	251	213	228	279	296
16	270	237	247	298	306

AVERAGE MAXIMUM TEMPERATURE

WHITE HALL, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1902	38.1*	31.7*	53.9*	64.7*	80.4	82.1	88.1	85.7	75.4	69.7	58.6	37.1	63.6**
03	37.2	37.6	56.9	68.0	77.2	80.5	89.4*	85.7*	79.7*	68.0	49.8	35.7	63.8**
04	32.2	33.9	51.0	59.8	74.0	80.4	85.5	83.2	81.7	70.7	56.0	43.2	62.6
05	31.7	31.0	63.6	66.9	77.7	88.2	85.5	89.3	81.8	68.5	58.6	43.0	65.5
06	44.7	43.5	41.8	72.7	79.9	82.7	87.8	90.6	85.8	67.8*	48.3	42.2	65.6**
07	43.1	43.1	64.9	58.6	71.2	82.7	89.4	82.3	80.5	70.7	55.1	43.5*	65.4**
08	41.9	42.6	64.0	64.9	75.1*	81.5*	87.7*	86.7	84.2	67.6	57.3	46.5	66.7**
09	39.6	46.8	53.2	65.3	72.5	83.4	84.6	91.3	76.7	64.4	62.2	31.2	64.3
10	36.8	38.2	68.3	66.3	69.0	81.7	86.0	84.8	77.9	70.5	49.6	38.7	64.0
11	42.0	45.5	55.9	61.6	81.7	90.4	90.3	85.2	80.0	64.4	47.1	43.1	65.6
12	25.4	33.9	42.3	68.9	77.5	80.3	88.2	85.0	79.9	71.1	55.5	48.1	63.0
13	42.3	38.1	52.0	66.4	79.2	92.2	94.6	95.8	82.0	65.0	58.8	45.4	67.6
14	45.0	34.0	52.0	66.6	80.6	91.3	95.5	91.5	80.1	70.9	59.3	33.1	66.7
15	34.5	45.8	44.7	72.6	72.8	80.8	84.5	79.1	81.6	72.5	60.5	39.4	64.1
16	42.3	39.0	53.8	63.6	77.1	79.5	97.7	89.3	78.5	69.7	57.7	40.9	65.8
17	42.1	39.3	55.9	63.3	70.7	81.8	89.1	86.2	79.7	60.3	55.9	33.8	63.2
18	24.0	44.2	66.4	60.0	81.7	87.8	89.2	95.0	74.0	70.4	53.4	49.3	66.3
19	44.1	43.6	56.3	67.6	72.2	87.5	92.6	87.6	86.9	71.2	50.8	36.2	66.4
20	33.3	41.3	54.1	59.0	73.2	86.0	89.3	87.8	83.2	74.4	49.6	41.5	66.9
21	42.1	49.5	64.7	69.5	79.5	89.6	94.0	87.2	82.3	70.5	54.1	44.7	69.0
22	38.3	46.0	54.1	67.5	78.0	88.1	88.1	89.4	84.4	72.5	55.4	44.0	67.2
23	43.6	37.4	51.8	65.8	74.8	84.7	91.0	86.7	77.9	63.3	55.0	51.5	65.3
24	33.9	41.4	46.5	70.0	69.4	81.0	84.0	88.2	74.4	75.9	56.7	36.9	63.2
25	37.8	49.1	60.0	73.7	74.7	87.9	87.5	87.7	87.6	56.8	51.9	39.3	66.2
26	40.4	46.2	47.3	59.4	80.1	81.4	89.9	87.6	77.4	66.2	47.8	39.2	63.6
27	36.1	49.8	55.8	64.0	72.2	78.8	85.9	80.7	84.0	72.9	58.2	40.5	64.9
28	40.7	43.9	55.8	62.0	76.0	77.3	87.4	86.4	84.4	70.7	52.1	44.5	65.1
29	34.8	35.2	61.7	67.2	70.5	81.3	87.3	84.9	79.0	67.7	"48.0	41.3	63.2
30	51.4	55.4	55.8	71.4	75.4	86.4	95.3	91.0	84.4	65.6	56.6	41.1	69.2
31	44.3	48.3	46.0	68.1	73.8	89.4	93.4	87.6	88.4	72.1	63.1	50.2	68.7
32	45.3	52.6	47.5	69.0	80.7	88.2	92.5	89.3	81.4	69.7	49.1	41.4	67.2
33	52.1	42.8	54.6	64.8	73.7	93.0	92.6	87.7	88.6	67.6	56.2	46.9	68.6
34	44.5	39.9	51.1	67.8	83.9	96.0	101.9	92.7	76.0	71.9	58.7	37.5	68.5
35	40.6	44.8	59.3	60.8	69.1	79.6	90.2	87.4	80.8	69.6	50.0	35.5	64.0
36	30.9	34.5	58.8	62.8	80.5	89.1	100.5	97.5	84.9	67.8	52.4	45.0	66.8
37	36.0	39.1	49.7	63.4	74.5	83.2	87.9	89.9	80.7	66.8	51.6	36.2	63.3
38	40.7	49.3	64.2	66.5	74.4	82.7	90.4	91.3	83.5	77.0	57.6	43.5	68.3
39	45.0	42.3	58.1	61.9	79.0	84.9	89.8	85.9	88.6	74.5	53.2	46.6	67.5
40	23.0	38.5	50.0	64.3	73.7	85.8	91.6	87.6	83.3	77.2	52.4	45.9	64.4
41	40.0	39.2	49.8	69.0	80.5	85.8	90.3	91.6	83.3	70.5	55.1	46.7	66.8
42	40.0	38.4	56.7	70.5	75.5	83.9	89.5	84.4	78.9	70.8	57.6	38.2	65.4
43	38.7	50.0	50.7	67.7	74.7	85.0	90.6	90.5	78.4	70.2	52.9	38.6	65.7
44	44.5	45.9	49.6	61.7	78.3	88.9	91.0	88.8	80.0	72.6	54.8	35.4	66.0
45	34.4	44.3	64.9	66.4	70.6	78.1	86.9	86.7	78.5	68.9	55.7	34.5	64.2
46	42.9	49.9	67.8	70.2	70.6	84.8	90.8	82.5	79.7	73.8	56.5	48.9	68.2
47	44.2	37.5	44.7	65.7	73.7	81.4	86.0	96.2	84.9	77.1	46.9	46.4	65.4
48	36.1	42.4	52.5	70.8	75.1	85.9	87.3	88.2	83.8	68.8	56.6	46.0	66.1
49	38.4	43.9	54.8	65.1	79.5	86.5	89.5	87.5	75.6	71.6	59.9	48.5	66.7
50	45.5	44.7	50.9	61.9	78.1	83.8	85.7	83.0	78.0	77.8	47.8	35.0	64.4
51	40.6M	42.4	47.4	60.7	77.8	80.4	85.1	84.9	76.1	70.8	48.2M	40.4	62.9M
52	44.0	48.6	50.3	66.3	75.4	90.5	90.8	86.8	84.6	69.3	56.4	43.7	67.2
53	40.8	51.2	55.1	63.0	77.7	92.4	91.9	89.9	87.4	74.6	58.0	46.8	69.1
54	41.2	54.1	51.4	75.8	73.3	90.7	95.4	88.4	86.3	68.3	54.3	42.1	68.4
55	39.3	42.9	54.8	73.4	77.2	80.9	91.5	89.6	84.7	70.5	55.3	41.5	66.7
56	37.4	43.1	58.2	67.0	79.1	86.8	87.5	87.6	82.3	78.1	55.3	44.7	67.3
57	35.5	47.2	52.9	64.5	77.1M	83.5	89.2	87.9	78.5	65.5	52.3	49.2	65.3M
58	38.6	35.3	45.4	65.5	77.1	80.5	84.0	85.8	78.5	71.7	59.7	39.3	63.5
59	34.0	43.1	56.1	66.5	78.9	86.8	87.5	88.5	81.4	65.3	47.7	45.9	65.1
60	38.4	35.9	37.3	69.3	71.4	82.6	85.3	86.8	84.5	69.5	55.6	37.7	62.9
61	37.7	45.3	54.6	60.3	70.5	82.6	84.8	84.1	80.5	67.8	51.9	38.1	63.2
62	31.5	44.5	47.5	63.9	82.9	83.7	84.6	85.3	75.8	69.7	53.2	39.5	63.5
63	28.2	36.3	58.8	70.4	73.9	86.1	86.0	83.3	79.6	79.5	56.7	30.9	64.1
64	43.5	41.5	51.9	68.1	79.5	85.1	88.8	87.8	80.4	68.4	58.7	38.9	66.1
65	40.6	43.1	43.0	68.5	81.3	83.6	84.0	85.0	77.7	67.7	59.1	30.2	65.3
66	33.7	41.1	57.9	60.8	71.8	84.1	93.4	82.9	74.6	65.8	56.5	41.3	63.7
67	44.0	39.9	57.0	68.6	71.4	83.6	84.5	82.2	76.4	67.3	51.7	41.4	64.0
68	34.9	38.6	56.3	66.3	72.2	85.8	85.7	84.7	78.3	68.4	50.2	39.2	63.4
69	33.8	39.9	45.9	68.7	75.8	81.2	87.5	85.4	78.7	65.7	51.9	36.2	62.6
70	29.9	41.0	48.6	67.8	78.2	79.9	87.5	83.8	82.0	65.8	50.3	44.1	63.2
71	34.8	40.8	51.8	68.7	72.7	88.2M	84.8	86.4	82.2	73.6	56.4	46.5	65.7M
72	38.5	42.8	55.8	66.3	78.0	85.6	85.3M	86.4*	74.8	65.3	45.9	36.4	63.4M**
73	40.7	42.7	59.2	63.0	72.5	84.9	87.6	87.2	78.8	73.4	56.5	39.0	65.5
74	37.0	46.8	60.0	69.2	73.8	89.0	92.5	84.1	73.8	69.5	52.7	40.5	65.0
75	41.2	37.9	49.0	64.5	78.9	85.1	87.6	87.8	75.6	72.2	58.6	44.2	65.2
76	37.0	54.6	61.2	70.1	73.1	84.2	90.8	84.5	80.6	62.8	48.7	39.4	65.6
77	22.5	43.0	59.5	72.7	82.0	83.5	91.5	84.6	80.8	67.0	53.0	38.9	64.9
78	28.1	29.4	45.8	67.5	73.9	86.2	87.3	85.4	83.2	68.4	56.3	41.9	63.0
79	23.9	30.0	53.7	61.9	76.4	85.8	86.8	85.1	80.9	68.8	52.7	46.6	62.7
80	36.1	33.9	47.5	64.3	78.2	86.4	94.6	92.2	82.5	66.9	54.1	42.7	65.0
81	39.0	46.1	55.7	73.2	70.7	85.0	85.8	83.2	79.2	68.2	56.6	37.6	65.0
82	29.4	36.5	52.3	61.6	80.5	78.7	87.8	83.2	76.9	69.9	54.9	48.4	63.4
83	38.0	46.3	52.3	57.5	71.7	85.2	93.1	94.2	82.0	68.9	56.9	26.8	64.4
84	33.2*	46.0	39.7	59.2	70.1	85.3	84.4	87.0	79.1	67.2	51.9	47.6	62.6
85	29.3	33.3	56.0	67.3	75.5	77.8	85.0	79.3	78.6	66.3	50.7	32.4	61.0
86	40.3	37.4	54.6	69.9	76.2	84.8	87.8	82.6	81.8	66.3	46.9	39.9	64.0
87	33.8	45.9	55.6	65.1	80.7	87.3	88.2	86.5	79.8	62.1	55.8	41.5	65.2
88	33.4	35.4	51.2	65.3	78.5	86.4	89.0	89.3	81.0	61.1	52.7	42.9	63.9
89	44.0	29.3	50.4	63.5	70.3	80.9	86.0	82.4	74.1	69.8	54.0	28.5	61.1
90	47.3	46.4	54.9	61.6	68.4	82.0	85.0	82.8	80.6	65.8	59.0	40.3	64.5

* Carlinvillc data used. White Hall data missing

** Annual averages calculated from Carlinvillc data and While Hall data

M One to nine days record missing.

AVERAGE MINIMUM TEMPERATURE

WHITE HALL, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1902	19.3*	31.1*	35.5*	39.8*	58.1	60.4	66.2	62.8	52.9	47.4	41.5	23.7	43.2**
03	20.7	20.9	37.2	44.3	55.4	55.9	64.4*	62.3*	54.4*	45.6	29.2	16.6	43.1**
04	13.9	15.1	32.5	38.0	51.9	59.7	61.9	58.7	57.6	43.4	29.9	21.5	40.3
05	13.5	11.1	37.6	40.9	51.7	62.4	62.9	64.0	55.9	42.6	30.9	22.6	41.3
06	24.5	19.9	23.8	44.5	51.8	59.0	60.9	63.7	57.2	42.7*	31.5	24.3	42.0**
07	24.6	21.7	36.8	33.7	44.2	57.6	65.8	60.9	53.2	39.4	29.8	28.6*	41.4**
08	21.4	25.1	36.0	37.1	55.0*	60.9*	64.6*	60.3	54.0	40.8	32.0	24.3	42.6**
09	21.1	24.3	31.1	39.5	49.7	61.6	62.1	64.0	53.4	39.1	40.4	14.6	41.7
10	21.0	17.3	37.0	40.6	47.1	57.1	64.3	59.8	55.7	43.7	25.1	17.7	40.5
11	22.4	26.9	30.2	40.9	53.6	63.5	61.9	61.4	61.3	45.2	26.6	26.2	43.3
12	7.7	17.9	23.0	42.6	54.1	55.9	66.1	61.7	57.2	43.6	31.1	24.3	40.4
13	22.0	16.6	27.6	42.1	54.5	59.9	66.0	66.1	56.0	42.7	36.0	31.0	43.4
14	27.2	12.8	30.4	42.8	50.7	64.3	65.8	63.1	56.0	46.5	33.5	16.9	42.5
15	16.1	30.9	26.8	46.7	50.2	59.2	62.8	57.2	58.1	41.8	34.1	23.3	42.1
16	20.3	18.3	29.8	41.0	52.1	56.4	66.7	64.3	52.0	41.8	32.9	19.8	41.3
17	20.2	15.5	31.3	40.2	45.2	56.7	62.1	59.2	50.9	35.0	31.4	13.6	38.4
18	1.7	19.4	32.7	38.7	56.1	62.0	59.4	66.4	46.6	47.2	34.2	29.7	41.2
19	21.9	24.7	33.1	42.2	49.9	64.1	63.5	59.7	54.7	46.6	31.4	17.7	42.5
20	15.9	24.0	33.1	37.4	50.6	59.5	61.3	59.5	57.8	48.0	31.5	25.8	42.0
21	27.5	30.3	38.6	44.1	53.6	66.3	68.3	64.8	62.6	44.2	34.1	26.5	46.7
22	16.0	27.5	37.4	46.4	55.9	62.8	63.6	63.1	57.7	44.3	36.2	25.3	44.5
23	28.7	19.8	28.0	39.5	50.8	62.7	65.1	63.6	57.0	39.9	34.7	31.4	43.4
24	11.2	23.4	29.0	42.5	45.1	61.6	60.1	63.4	50.5	44.7	32.1	16.2	40.0
25	16.8	26.3	30.7	46.2	47.1	63.3	64.5	61.5	61.9	37.4	28.7	19.0	42.0
26	21.1	27.8	26.4	35.9	51.5	56.1	64.2	65.1	59.6	45.6	28.1	22.8	42.0
27	17.5	29.5	33.6	45.3	51.8	58.1	62.9	58.0	58.5	45.3	35.6	17.7	43.0
28	20.3	24.9	32.6	38.5	51.5	57.5	66.3	65.2	54.7	46.4	34.8	24.5	43.1
29	11.8	12.7	35.3	34.6	48.6	57.6	63.8	59.6	52.9	42.3	27.4	21.3	39.8
30	10.1	27.6	30.5	44.5	53.9	59.0	65.1	63.1	57.9	43.4	33.6	24.8	42.8
31	24.7	29.5	29.1	44.3	47.7	63.1	65.2	61.7	62.5	49.3	41.8	32.7	46.0
32	28.5	29.6	25.5	42.7	51.7	62.2	65.9	63.2	53.4	40.7	24.2	19.3	42.2
33	28.9	19.6	32.2	42.9	55.5	63.2	66.5	61.6	61.0	42.1	31.4	27.4	44.4
34	25.4	18.0	27.3	42.1	53.2	65.4	70.4	65.7	54.6	46.5	38.4	23.3	44.2
35	22.5	27.5	38.2	41.3	50.1	58.8	68.1	66.6	56.3	44.4	33.8	18.9	43.9
36	12.9	9.9	35.3	37.9	55.5	60.7	69.9	69.7	62.0	45.7	29.4	26.8	43.0
37	18.2	21.8	29.1	42.8	53.3	62.1	65.0	67.3	54.3	42.9	28.8	24.1	42.5
38	21.3	32.7	29.8	44.0	53.2	60.9	66.2	67.4	58.1	46.7	33.4	24.4	45.7
39	27.4	20.6	33.5	40.2	54.4	64.0	66.4	64.1	59.3	45.2	31.9	26.1	44.4
40	5.2	25.4	31.6	41.0	49.0	61.1	63.1	64.5	53.3	47.3	30.4	29.1	41.8
41	24.7	21.2	28.0	47.2	55.3	62.5	65.4	65.4	58.8	51.3	33.9	30.8	45.6
42	19.1	23.3	34.2	45.1	52.2	62.6	66.4	62.9	54.8	44.5	36.0	20.5	43.5
43	18.9	22.9	25.9	40.1	51.7	65.9	66.3	66.2	52.3	43.7	28.8	19.8	41.9
44	23.8	25.3	30.1	41.5	57.4	64.4	63.1	64.5	56.6	44.1	39.2	18.5	44.0
45	17.3	25.1	40.5	45.5	49.1	60.3	62.0	62.9	58.4	42.8	34.3	18.0	43.0
46	22.8	26.7	43.9	45.0	50.1	61.0	65.2	61.4	54.1	46.2	36.9	28.4	45.1
47	23.3	17.6	26.7	42.5	49.8	60.0	62.2	70.3	56.9	51.7	31.6	27.2	43.3
48	14.7	21.3	32.0	47.3	50.5	60.1	65.8	63.2	57.4	41.8	36.2	26.1	43.0
49	23.1	23.3	31.0	40.8	53.8	64.5	69.3	62.9	49.6	47.7	34.9	26.9	44.0
50	24.4	25.1	29.6	38.0	54.0	60.4	61.2	59.5	56.2	47.9	37.8	17.1	41.8
51	21.8	24.0	29.5	39.7	52.5	60.9	65.5	63.2	53.8	48.5	27.1M	21.8	42.4M
52	23.5	28.4	30.6	41.8	52.1	67.2	66.9	62.4	51.9	35.4	34.0	26.9	43.4
53	26.0	28.1	34.2	39.8	53.7	67.2	66.2	62.4	54.3	45.4	33.8	25.1	44.7
54	21.1	30.5	29.4	46.6	48.5	63.0	68.4	67.2	57.5	47.4	34.5	27.7	45.3
55	22.2	23.8	31.2	49.1	55.2	58.5	70.3	65.9	56.2	45.2	28.5	19.9	43.8
56	17.7	25.0	31.1	38.8	55.1	62.9	65.3	65.3	53.6M	49.0	33.0	29.1	43.8M
57	16.6	29.9	32.3	45.9	54.4M	64.1	68.3	65.2	54.1	42.4	32.7	29.3	44.6M
58	22.7	15.3	31.0	43.1	52.3	59.1	65.1	65.4	57.0	44.9	37.4	18.9	42.7
59	13.6	23.8	32.3	43.2	57.5	63.3	64.0	68.4	58.4	46.0	28.1	31.4	44.3
60	24.4	22.1	18.4	45.0	51.0	61.2	63.2	65.6	59.5	45.8	33.3	18.8	42.4
61	15.2	24.3	35.4	39.2	48.6	59.0	65.5	63.4	58.6	47.0	34.8	21.9	42.8
62	11.7	24.6	29.0	40.2	60.2	62.2	64.3	62.2	54.3	49.0	34.1	19.4	42.6
63	9.4	14.2	35.2	44.9	52.1	61.9	64.7	62.5	54.8	51.7	36.4	10.6	41.5
64	21.0	23.3	30.4	45.1	56.6	63.0	66.3	61.9	56.3	39.5	35.7	22.6	43.5
65	19.8	20.8	23.7	45.8	56.7	61.9	64.6	62.2	58.0	44.5	36.4	31.8	43.9
66	15.7	21.7	32.9	41.8	49.2M	59.2	67.2	60.2	53.9	39.6	35.5	24.2	41.8M
67	21.5	17.8	35.0	45.8	48.2	62.2	61.2	58.0	53.1	43.8	32.1	25.7	42.0
68	16.6	17.9	32.1	42.1	49.1	62.5	63.5	63.6	54.0	44.4	34.5	22.4	41.9
69	17.0	26.2M	24.5	44.6	51.6	58.9	67.9	61.9	55.9	43.4	30.0	22.1	42.0M
70	10.1	18.9	29.4	44.0	55.6	61.1	64.1	64.6	57.9M	46.2	32.1	26.4	42.5M
71	14.2	21.8	28.7	41.4	47.9	65.3M	61.1	58.8	58.0	51.0	32.6	29.7	42.5M
72	17.8M	19.3	30.3	41.7M	52.3	56.8	62.2	62.5	58.5	45.3	34.1	21.7	41.8M
73	21.9	24.4	41.1	43.6	49.7	62.7	66.4	64.7	60.4	50.2	37.0	22.8	45.4
74	18.0	25.4	35.5	45.2	54.5	58.7	66.4	63.3	58.1	44.7	35.1	26.9	43.7
75	24.1	23.7	29.4	41.8	56.5	63.7	64.6	66.5	54.2	45.8	37.5	27.3	44.6
76	15.8	30.2	35.1	43.7	48.4	58.8	65.1	60.6	52.9	38.9	24.3	15.7	40.8
77	3.3	20.9	37.5	47.5	57.4	62.3	67.9	63.9	59.6	44.6	35.7	20.3	43.4
78	8.8	8.5	25.3	44.1	52.6	61.4	66.0	63.5	59.1	42.4	36.8	23.6	41.0
79	6.5	9.9	33.0	41.6	50.4	60.6	65.2	63.8	53.8	43.4	32.6	27.4	40.7
80	21.2	17.0	28.8	41.3	52.9	61.3	69.4	68.3	58.2	41.5	33.5	24.7	43.2
81	19.8	22.9	33.0	50.1	49.1	64.6	67.8	63.5	55.4	45.3	38.1	20.2	44.2
82	9.8	17.4	33.0	40.2	59.4	59.2	67.5	63.7	56.5	47.6	37.1	33.6	43.8
83	26.6	25.5	36.1	41.8	52.8	63.5	69.5	69.2	57.5	48.4	38.8	11.3	45.3
84	17.3M	25.9	26.7	42.7	48.7	63.2	61.6	63.3	55.0	49.6	31.4	27.0	42.7M
85	10.1	14.7	34.1	46.1	53.9	59.1	63.4	60.6	55.3	44.7	32.3	10.8	40.4
86	16.5	18.5	30.6	43.4	52.9	63.2	66.1	55.6	55.7	43.7	27.5	23.2	41.4
87	15.1	23.8	32.5	39.0	53.2	60.8	64.0	60.6	50.3	31.0	32.3	23.2	40.5
88	11.0	10.3	24.6	36.0	50.5	59.0	65.4	67.1	53.8	38.2	30.5	19.7	38.8
89	25.1	10.7	28.5	42.2	46.8	59.6	65.8	62.3	52.1	43.9	28.1	7.4	39.4
90	25.4	26.0	33.4	38.8	48.8	61.4	64.5	61.9	56.4	39.1	35.4	21.6	42.7

* Carlinville data used. White Hall data missing

** Annual averages calculated from Carlinville data and White Hall data

M One to nine days record missing.

AVERAGE TEMPERATURE

WHITE HALL, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1902	28.7*	21.9*	44.7*	52.2*	69.3	71.3	77.2	73.3	64.2	58.6	50.1	30.4	53.5**
03	29.0	29.3	47.1	56.2	66.3	68.2	76.9*	74.0*	67.0*	56.8	39.5	26.2	53.0**
04	23.0	24.5	41.8	48.9	63.0	70.1	73.7	71.0	69.7	57.1	43.0	32.4	51.5
05	22.6	21.1	50.6	53.9	64.7	75.3	74.2	76.7	68.9	55.6	44.8	32.8	53.4
06	34.6	33.7	32.8	58.6	65.9	70.9	74.4	77.2	71.5	55.2*	39.9	33.2	53.8**
07	33.8	32.4	50.9	46.2	57.7	70.2	77.6	71.6	66.9	55.1	42.5	36.0*	53.4**
08	31.7	33.9	50.0	51.0	65.0*	71.2*	76.2*	73.5	69.1	54.2	44.7	35.4	54.7**
09	30.4	35.6	42.2	52.4	61.1	72.5	73.4	77.7	65.1	51.8	51.3	22.9	53.0
10	28.9	27.8	52.7	53.5	58.1	69.4	75.2	72.3	66.8	57.1	37.4	28.2	52.2
11	32.2	36.2	43.1	51.3	67.7	77.0	76.1	73.3	70.7	54.8	36.9	34.7	54.5
12	16.6	25.9	32.7	55.8	65.8	68.1	77.2	73.4	68.6	57.4	43.3	36.2	51.7
13	32.2	27.4	39.3	54.3	66.9	76.1	80.3	81.0	69.0	53.9	47.4	38.2	55.5
14	36.1	23.4	41.2	54.7	65.7	77.8	80.7	77.3	68.1	58.7	46.4	25.0	54.6
15	25.3	38.4	35.8	59.7	61.5	70.0	73.7	68.2	69.9	57.2	47.3	31.4	53.2
16	31.3	28.7	41.8	52.3	64.6	68.0	82.2	76.8	65.3	55.8	45.3	30.4	53.5
17	31.2	27.4	43.6	51.8	58.0	69.3	75.6	72.7	65.3	47.7	43.7	25.7	50.8
18	12.9	31.8	49.6	49.4	68.9	74.9	74.3	80.7	60.3	58.8	43.8	39.5	53.7
19	33.0	34.2	44.7	54.9	61.1	75.8	78.1	73.7	70.8	58.9	41.1	27.0	54.4
20	24.6	32.7	43.6	48.2	61.9	72.8	75.3	73.7	70.5	61.2	40.6	33.7	53.2
21	34.8	39.9	51.7	56.8	66.6	78.0	81.2	76.0	72.5	57.4	44.1	35.6	57.9
22	27.2	36.8	45.8	57.0	67.0	75.5	75.9	76.3	71.1	58.4	45.8	33.7	55.9
23	36.2	28.6	39.9	52.7	62.8	73.7	78.1	75.2	67.5	51.6	44.9	41.5	54.4
24	22.6	32.4	37.8	56.3	57.3	71.3	72.1	75.8	62.5	60.3	44.4	26.6	51.6
25	27.3	37.7	45.4	60.0	60.9	75.6	76.0	74.6	74.8	47.1	40.3	29.2	54.1
26	30.8	37.0	36.9	47.7	65.8	68.8	77.1	76.4	68.5	55.9	38.0	31.0	52.8
27	26.8	39.7	45.7	54.7	62.0	68.5	74.4	69.4	71.3	59.1	46.9	29.1	54.0
28	30.3	34.4	44.2	50.3	63.8	67.4	76.9	75.8	69.6	58.6	43.5	34.5	54.1
29	23.3	24.0	48.5	55.9	59.6	69.5	75.6	72.3	66.0	55.0	37.7	31.3	51.6
30	30.8	41.5	43.2	58.0	64.7	72.7	80.2	77.1	71.2	54.5	45.1	33.0	56.0
31	34.5	38.9	37.6	56.2	60.8	76.3	79.3	74.7	75.5	60.7	52.5	41.5	57.4
32	36.9	41.1	36.5	55.9	66.2	75.2	79.2	76.3	67.4	55.2	36.7	30.4	54.7
33	40.5	31.2	43.4	53.9	65.6	78.1	79.6	74.7	74.8	54.9	43.8	37.2	56.5
34	35.0	29.0	39.2	55.0	68.6	80.7	86.2	79.2	65.3	59.2	48.6	30.4	56.4
35	31.6	36.2	48.8	51.1	59.6	69.2	79.2	77.0	68.6	57.5	41.9	27.2	54.0
36	21.9	20.7	47.1	50.4	68.0	74.9	85.2	83.6	73.5	56.8	40.9	35.9	54.9
37	27.1	30.5	39.4	53.1	63.9	72.7	76.5	78.6	67.5	54.9	40.2	30.2	52.9
38	31.0	41.0	52.0	55.3	63.8	71.8	78.3	79.4	70.8	61.9	45.5	33.0	57.0
39	36.2	31.5	45.8	51.1	66.7	74.5	78.1	75.0	74.0	59.9	42.6	36.4	56.0
40	14.1	32.0	40.8	52.7	61.4	73.5	77.4	76.1	68.3	62.3	41.4	37.5	53.1
41	32.4	30.2	38.9	58.1	67.9	74.2	77.9	78.5	71.1	60.9	44.5	38.8	56.1
42	29.6	30.9	45.5	57.8	63.9	73.3	78.0	73.7	66.9	57.7	46.8	29.4	57.0
43	28.8	36.5	38.3	53.9	63.2	75.5	78.5	78.4	65.4	57.0	40.9	29.2	53.8
44	34.2	36.1	39.9	51.6	67.9	76.7	77.3	76.7	68.3	58.4	47.0	27.0	55.1
45	25.9	34.7	32.7	56.0	59.9	69.2	74.5	74.8	68.5	55.9	45.0	36.3	53.6
46	32.9	38.3	55.9	57.6	60.4	72.9	78.0	72.0	66.9	60.0	46.7	38.7	56.7
47	33.8	27.6	35.7	54.1	61.8	70.7	74.1	83.3	70.9	64.4	39.3	36.8	54.4
48	25.4	33.9	42.3	59.1	62.8	73.0	76.6	75.7	70.6	55.3	46.4	36.1	54.6
49	30.8	33.6	42.9	53.0	66.7	75.5	79.4	75.2	62.6	59.7	47.4	37.7	55.4
50	35.0	34.9	40.3	50.0	66.1	72.1	73.5	71.3	67.1	62.9	37.8	26.1	53.1
51	31.2M	33.2	38.5	50.2	65.2	70.7	75.3	74.1	65.0	59.7	37.7M	31.1	52.7M
52	33.8	38.5	40.5	54.1	63.8	78.9	78.9	74.6	68.3	52.4	45.2	35.3	55.4
53	33.4	39.7	44.7	51.4	65.7	79.8	79.1	76.2	70.9	60.0	45.9	36.0	56.9
54	31.2	42.3	40.4	61.2	60.9	77.9	81.9	77.8	71.9	57.9	44.4	34.9	56.9
55	30.8	33.4	43.0	61.3	66.2	69.7	80.9	77.9	70.5	57.9	40.9	30.7	55.3
56	27.6	34.1	44.7	52.9	67.1	74.9	76.4	76.5	68.0M	63.6	44.2	36.9	55.6M
57	26.1	38.6	42.6	55.2	65.8M	73.8	78.8	76.6	66.3	54.0	42.5	39.3	55.0M
58	30.7	25.3	38.2	54.3	64.7	69.8	74.6	75.6	67.8	58.3	48.6	29.1	53.1
59	24.8	33.5	44.2	54.9	68.2	75.1	75.8	78.5	69.9	55.7	37.9	38.6	54.8
60	31.4	29.0	27.9	57.2	61.2	71.9	74.3	76.2	72.0	57.7	44.5	28.3	52.6
61	26.5	34.8	45.0	49.8	59.6	70.8	75.2	73.8	69.7	57.4	43.4	30.0	53.0
62	21.6	34.6	38.3	52.1	71.6	73.0	74.5	73.8	65.1	59.4	43.7	29.5	53.1
63	18.8	25.3	47.0	57.7	63.0	74.0	75.4	72.9	67.2	65.6	46.6	20.8	52.9
64	32.3	32.4	41.2	56.6	68.1	74.1	77.6	74.9	68.4	54.0	47.2	30.8	54.8
65	30.2	32.0	33.4	57.2	69.0	72.8	74.3	73.6	67.9	56.1	47.8	41.0	54.6
66	24.7	31.4	45.4	51.3	60.5M	71.7	80.3	71.6	64.3	52.7	46.0	32.8	52.7M
67	32.8	28.9	46.0	57.2	59.8	72.9	72.9	70.1	64.8	55.6	41.9	33.6	53.0
68	25.8	28.3	44.2	54.2	60.7	74.2	74.6	74.2	66.2	56.4	42.4	30.8	52.7
69	25.4	33.1M	35.2	56.7	63.7	70.1	77.7	73.7	67.3	54.6	41.0	29.2	52.3M
70	20.0	30.0	39.0	55.9	66.9	70.5	75.8	74.2	70.0M	56.0	41.2	35.3	52.9M
71	24.5	31.3	40.3	55.1	60.3	76.8M	73.0	72.6	70.1	63.3	44.5	38.1	54.2M
72	27.8M	31.1	43.1	54.0M	65.2	71.2	73.8M	74.5#	66.7	55.4	40.0	29.1	52.7M**
73	31.3	33.6	50.2	53.3	61.1	73.8	77.0	76.0	69.6	61.8	46.8	30.9	55.5
74	27.5	36.1	47.8	57.2	64.2	69.4	79.5	73.7	62.5	57.1	43.9	33.7	54.4
75	32.9	30.8	39.2	53.2	67.7	74.4	76.1	77.2	64.9	59.0	48.1	35.8	54.9
76	26.4	42.4	48.2	56.9	60.8	78.3	78.0	72.6	66.8	50.9	36.5	27.6	53.2
77	12.9	32.0	48.4	60.1	69.7	72.9	79.7	74.3	70.2	55.8	44.4	29.6	54.2
78	18.5	19.0	35.6	55.8	63.3	73.8	76.7	74.5	72.2	55.4	46.6	32.8	52.0
79	15.2	20.0	43.4	51.8	63.4	73.2	76.0	74.5	67.4	56.1	42.7	37.0	51.7
80	28.7	25.5	38.2	52.8	65.6	73.9	82.0	80.3	70.4	54.2	43.8	33.7	54.1
81	29.4	34.5	44.4	61.7	59.9	74.8	76.8	73.4	67.3	56.8	47.4	28.9	54.6
82	19.6	27.0	42.8	50.9	70.0	69.0	77.7	73.5	66.7	58.8	46.0	41.0	53.6
83	32.3	37.4	44.2	49.7	62.3	74.4	81.3	81.7	69.8	58.7	47.9	19.1	54.9
84	25.3M	36.0	33.2	51.0	59.4	74.3	73.0	75.2	67.1	58.4	41.7	37.3	52.7M
85	19.7	24.0	45.1	56.7	64.7	68.5	74.2	70.0	67.0	55.5	43.5	21.6	50.7
86	28.4	28.0	42.6	56.7	64.6	74.0	77.0	69.1	68.8	55.0	37.2	31.6	52.8
87	24.5	34.9	44.1	52.1	67.0	74.1	76.1	73.6	65.1	46.6	44.1	32.4	52.9
88	22.2	22.9	37.9	50.7	64.5	72.7	77.2	78.2	67.4	49.7	41.6	31.3	51.4
89	34.6	20.0	39.5	52.9	58.6	70.3	75.9	72.4	63.1	56.9	41.1	18.0	50.3
90	36.4	36.2	44.2	50.2	58.6	71.7	74.8	72.4	68.5	52.5	47.2	31.0	53.7

* Carlinville data used. While Hall data missing

** Annual averages calculated from Carlinville data and While Hall data

\# Average temperature calculated from Carlinville average maximum and White Hall average minimum temperatures.

M One to nine days record missing.

COOLING DEGREE DAYS

WHITE HALL, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	SEASONAL TOTAL
1902	0	0	0	0	171	200	378	257	86	0	0	0	1092
03	0	0	0	0	121	152	369*	279*	132*	0	0	0	1053**
04	0	0	0	0	67	182	270	199	176	0	0	0	894
05	0	0	0	0	95	309	285	363	363	0	0	0	1215
06	0	0	0	0	135	395	291	378	284	0	0	0	1183
07	0	0	0	0	0	184	391	209	130	0	0	0	914
08	0	0	0	0	100*	199*	347*	264	166	0	0	0	1076**
09	0	0	0	0	55	225	260	394	202	0	0	0	1016
10	0	0	0	0	0	171	316	226	128	0	0	0	841
11	0	0	0	0	144	360	344	257	192	0	0	0	1297
12	0	0	0	0	113	150	378	260	158	0	0	0	1059
13	0	0	0	0	131	333	474	496	164	0	0	0	1598
14	0	0	0	0	141	384	487	381	150	0	0	0	1513
15	0	0	0	17	42	180	270	152	179	0	0	0	840
16	0	0	0	0	94	148	533	366	105	0	0	0	1246
17	0	0	0	0	0	169	329	239	105	0	0	0	842
18	0	0	0	0	164	297	288	487	25	0	0	0	1261
19	0	0	0	0	35	324	406	270	193	0	0	0	1228
20	0	0	0	0	49	234	319	270	189	37	0	0	1098
21	0	0	0	0	126	390	502	341	225	0	0	0	1584
22	0	0	0	0	133	315	338	350	197	0	0	0	1333
23	0	0	0	0	64	261	406	316	141	0	0	0	1188
24	0	0	0	0	0	200	220	335	61	23	0	0	839
25	0	0	0	20	33	318	341	298	294	0	0	0	1304
26	0	0	0	0	113	161	375	353	157	0	0	0	1159
27	0	0	0	0	51	157	291	172	200	2	0	0	873
28	0	0	0	0	80	139	369	335	174	0	0	0	1097
29	0	0	0	0	11	173	329	226	115	0	0	0	854
30	0	0	0	0	95	231	471	375	199	0	0	0	1371
31	0	0	0	0	31	339	443	301	315	29	0	0	1458
32	0	0	0	0	119	306	440	350	139	0	0	0	1354
33	0	0	0	0	110	393	453	301	294	0	0	0	1551
34	0	0	0	0	159	471	657	440	105	4	0	0	1836
35	0	0	0	0	11	168	440	372	15#	0	0	0	1149
36	0	0	0	0	149	297	626	577	255	0	0	0	1904
37	0	0	0	0	82	231	357	422	141	0	0	0	1233
38	0	0	0	0	80	208	412	446	193	49	0	0	1388
39	0	0	0	0	127	285	406	310	270	16	0	0	1414
40	0	0	0	0	40	255	384	344	253	54	0	0	1232
41	0	0	0	0	148	276	400	419	197	33	0	0	1473
42	0	0	0	0	82	249	403	270	130	0	0	0	1134
43	0	0	0	0	70	315	419	415	107	0	0	0	1326
44	0	0	0	0	148	351	375	363	153	0	0	0	1390
45	0	0	0	0	16	168	295	304	157	0	0	0	940
46	0	0	0	0	24	237	403	217	150	18	0	0	1029
47	0	0	0	0	47	192	282	567	195	90	0	0	1373
48	0	0	0	7	64	240	360	332	190	0	0	0	1193
49	0	0	0	0	127	315	446	316	62	12	0	0	1278
50	0	0	0	0	117	213	264	204	134	66	0	0	998
51	0M	0	0	0	103	192	319	282	100	12	0M	0	1008M
52	0M	0	0	0	80	417	431	298	152	0	0	0	1378M
53	0	0	0	0	112	444	437	347	194	18	0	0	1552
54	0	0	0	40	33	387	524	359	207	0	0	0	1588
55	0	0	0	41	120	175	493	400	188	0	0	0	1417
56	0	0	0	0	135	297	353	357	148	77	0	0	1367
57	0	0	0	0	113M	264	428	360	121	0	0	0	1286M
58	0	0	0	0	95	176	298	329	145	0	0	0	1043
59	0	0	0	0	153	303	335	419	178	0	0	0	1388
60	0	0	0	0	38	207	288	347	210	0	0	0	1090
61	0	0	0	0	11	192	316	273	175	0	0	0	967
62	0	0	0	0	205	240	295	273	102	8	0	0	1123
63	0	0	0	0	67	270	322	244	135	110	0	0	1148
64	0	0	0	0	151	273	391	307	154	0	0	0	1276
65	0	0	0	0	166	234	288	267	146	0	0	0	1101
66	0	0	0	0	26M	201	474	205	89	0	0	0	995M
67	0	0	0	0	35	237	245	184	97	0	0	0	778
68	0	0	0	0	29	276	298	285	139	0	0	0	1007
69	0	0M	0	0	79	181	394	270	137	0	0	0	1061M
70	0	0	0	0	131	188	335	285	180M	0	0	0	1119M
71	0	0	0	0	23	354M	248	236	181	72	0	0	1114M
72	0M	0	0	0M	103	186	273M	295#	127	0	0	0	984M**
73	0	0	0	0	36	264	372	341	173	47	0	0	1233
74	0	0	0	0	87	171	450	270	61	0	0	0	1039
75	0	0	0	0	144	282	344	378	99	1	0	0	1248
76	0	0	0	0	31	204	403	236	128	0	0	0	1002
77	0	0	0	22	177	237	456	288	184	0	0	0	1364
78	0	0	0	0	72	264	363	295	216	0	0	0	1210
79	0	0	0	0	73	246	341	295	139	0	0	0	1094
80	0	0	0	0	110	267	527	474	187	0	0	0	1565
81	0	0	0	48	16	294	366	260	137	0	0	0	1121
82	0	0	0	0	182	164	394	264	127	0	0	0	1131
83	0	0	0	0	56	282	505	518	177	0	0	0	1538
84	0	0	0	0	7	279	248	316	134	0	0	0	984
85	0	0	0	0	95	156	285	182	132	0	0	0	850
86	0	0	0	0	93	270	372	167	160	0	0	0	1062
87	0	0	0	0	133	273	344	267	102	0	0	0	1119
88	0	0	0	0	92	231	378	409	138	0	0	0	1248
89	0	0	0	0	0	184	338	229	70	0	0	0	821
90	0	0	0	0	0	201	305	229	156	0	0	0	891

'Cooling degree days based on mean monthly temperatures as opposed to accumulated daily values

* Carlinville data used, While Hail data missing

** Totals calculated from Cariinville data and White Hall data

M One or more days record missing; if average value is entered, less than 10 days record is missing

Average temperature used for calculation of cooling degree days was calculated from Carlinville average maximum and White Hall average minimum temperatures.

HEATING DEGREE DAYS'

WHITE HALL, ILLINOIS

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	SEASONAL TOTALS
1901-1902							1125*	1207*	629*	384*	29	0	
02-03	0	0	111	198	447	1075	1116	1000	555	264	79	48	4891
03-04	0	0	68*	254	765	1203	1302	1175	719	483	133	18	6120**
04-05	0	0	24	245	660	1011	1314	1229	446	333	105	0	5367
05-06	0	0	37	291	606	998	942	932	998	192	85	5	5086
06-07	0	0	0	304*	753	986	967	913	437	564	226	16	5166**
07-08	0	0	69	307	675	899*	1032	902	465	420	100*	3*	4872**
08-09	0	0	34	335	609	918	1073	823	707	378	165	0	5042
09-10	0	0	98	409	411	1305	1119	1042	381	345	214	29	5353
10-11	0	0	71	245	828	1141	1017	806	679	411	56	0	5254
11-12	0	0	8	316	843	939	1500	1134	1001	276	87	50	6154
12-13	0	0	42	236	651	893	1017	1053	797	521	69	0	5079
13-14	0	0	36	344	528	831	896	1165	758	309	89	0	4936
14-15	0	0	50	195	558	1240	1231	745	905	183	158	20	5285
15-16	0	48	21	242	551	1042	1045	1063	719	381	106	52	5240
16-17	0	0	95	285	591	1073	1048	1053	663	396	217	31	5452
17-18	0	0	95	536	639	1250	1615	930	477	468	36	0	6076
18-19	0	0	175	192	636	790	992	862	629	303	165	0	4744
19-20	0	0	7	189	717	1178	1252	937	663	504	151	0	5598
20-21	0	0	11	163	732	970	936	703	412	246	74	0	4247
21-22	0	0	0	236	627	911	1172	790	595	240	67	0	4638
22-23	0	0	3	205	576	970	893	1019	778	369	136	0	4949
23-24	0	0	59	415	600	728	1314	945	843	261	239	0	5407
24-25	0	0	139	177	618	1190	1169	764	608	180	167	0	5012
25-26	0	0	0	555	741	1110	1060	784	871	519	87	39	5766
26-27	0	0	43	282	819	1054	1184	708	598	309	149	43	5180
27-28	0	28	0	198	543	1113	1069	887	645	441	120	61	5105
28-29	0	0	26	198	645	943	1293	1148	511	273	189	27	5255
29-30	0	0	84	310	819	1045	1060	658	676	210	105	0	4967
30-31	0	0	1	325	597	992	945	731	849	264	169	0	4873
31-32	0	0	0	171	375	728	871	693	883	273	81	0	4075
32-33	0	0	61	304	849	1073	759	946	670	333	90	0	5085
33-34	0	0	0	313	636	862	930	1008	800	300	41	0	4890
34-35	0	0	95	196	492	1073	1035	806	502	417	189	32	4837
35-36	0	0	42	232M	693	1172	1336	1285	555	438	51	0	5804M
36-37	0	0	0	254	723	902	1175	966	794	557	118	0	5289
37-38	0	0	59	313	744	1079	1054	672	403	291	120	0	4735
38-39	0	0	7	151	585	992	893	938	595	417	73	0	4651
39-40	0	0	0	184	672	887	1578	957	750	369	160	0	5357
40-41	0	0	47	144	708	852	1011	974	809	207	52	0	4804
41-42	0	0	3	167	615	812	1097	955	604	216	118	0	4587
42-43	0	0	69	226	546	1304	1122	798	828	333	130	0	5156
43-44	0	0	93	248	723	1110	955	838	778	402	52	0	5199
44-45	0	0	47	205	540	1178	1262	848	381	270	184	32	4897
45-46	0	0	43	282	600	1200	995	748	282	222	176	0	4548
46-47	0	0	69	180	549	815	967	1047	908	327	153	8	5023
47-48	0	0	5	110	771	874	1228	960	704	193	136	0	4981
48-49	0	0	10	301	558	896	1060	879	685	360	73	0	4822
49-50	0	0	138	188	528	846	930	843	766	450	83	0	4772
50-51	0	0	66	134	816	1206	1048M	890	821	444	98	8	5531M
51-52	0	0	100	187	819M	1056	967	769	760	327	120	0	5100M
52-53	0	0	48	391	594	921	980	708	629	408	89	0	4768
53-54	0	0	6	182	573	899	1048	636	762	160	167	0	4433
54-55	0	0	0	220	618	933	1050	884	682	159	80	25	4661
55-56	0	0	13	220	723	1063	1159	896	629	363	66	0	5132
56-57	0	0	52M	123	624	871	1206	739	694	294	87M	0	4690M
57-58	0	0	79	341	675	797	1063	1112	831	321	105	24	5348
58-59	0	0	56	210	492	1113	1246	882	645	303	47	0	4994
59-60	0	0	22	288	813	818	1042	1044	1150	234	162	0	5573
60-61	0	0	0	226	615	1138	1194	846	620	456	189	8	5292
61-62	0	0	25	236	648	1085	1345	851	828	387	0	0	5405
62-63	0	0	98	192	639	1101	1432	1112	558	219	133	0	5484
63-64	0	0	65	90	552	1370	1014	945	738	252	49	0	5075
64-65	0	0	46	341	534	1060	1078	924	980	234	34	0	5231
65-66	0	0	54	276	516	744	1249	941	608	411	174M	0	4973M
66-67	0	0	121	381	570	998	998	1011	589	234	185	0	5077
67-68	0	16	103	291	693	973	1215	1064	645	324	171	0	5495
68-69	0	0	81	267	678	1060	1228	893M	924	249	121	19	5520M
69-70	0	0	63	322	720	1110	1395	980	806	273	69	13	5751
70-71	0	0	28M	279	714	921	1256	944	766	297	177	0	5375M
71-72	0	0	19	128	615	834	1153M	983	679	330M	97	1	4839M
72-73	0M	0#	73	298	750	1113	1045	879	459	351	164	0	5132M**
73-74	0	0	27	153	546	1057	1163	809	533	234	113	30	4665
74-75	0	0	139	245	633	970	1001	980	800	354	56	0	5178
75-76	0	0	100	199	507	905	1197	644	521	243	169	0	4485
76-77	0	0	71	437	855	1159	1643	957	515	178	23	0	5838
77-78	0	0	16	285	648	1097	1457	1288	911	276	128	0	6076
78-79	0	0	0	298	552	998	1550	1260	670	396	127	0	5851
79-80	0	0#	61	276	669	868	1125	1106	831	366	90	0	5392
80-81	0	0	13	335	636	970	1104	885	639	152	184	0	4918
81-82	0	0	63	254	528	1119	1426	1064	688	423	18	36	5619
82-83	0	0	72	192	570	744	1014	773	645	459	144	0	4613
83-84	0	0	23	195	513	1426	1231	812	986	420	193	0	5799
84-85	0	0	66	211	699	859	1404	1148	617	249	105	43	5401
85-86	0	0	48	294	705	1345	1135	1036	694	249	106	0	5632
86-87	0	33	39	310	834	1035	1255	840	648	297	67	0	5358
87-88	0	0	98	570	627	1011	1327	1218	840	429	108	0	6228
88-89	0	0	61	474	702	1045	942	1260	790	363	207	0	5844
89-90	0	0	130	251	717	1457	887	806	645	444	205	0	5542
90-91	0	0	44	388	534	1060							

Healing degree days based on mean monthly temperature as opposed to accumulated daily values

* Carlinville data used. White Hall data missing

** Totab calculated from Carlinville data and White Hall data

M One to nine days record missing.

\# Average temperature used for calculation of beating degree days was calculated from Carlinville average maximum and White Hall average minimum temperatures.

TOTAL PRECIPITATION
WHITE HALL, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1902	1.14*	.86*	4.18*	2.44*	2.23	8.93	3.20	6.07	4.66	2.36	3.69	3.14	42.90**
03	1.22	3.27	3.11	3.57	2.33	4.73	3.89*	3.38*	3.69*	1.39	.28	1.40	32.26**
04	2.30	.24	5.77	7.34	4.46	4.83	7.08	4.63	6.95	.50	.10	1.20	45.40
05	2.20	1.40	2.26	2.51	6.92	3.82	8.05	5.95	6.02	4.90	2.20	1.85	48.08
06	3.15	4.45	5.40	3.55	5.90	2.55	1.06	5.05	4.88	1.97*	3.82	4.60	46.38**
07	5.32	.90	2.01	3.13	3.70	6.00	9.88	2.93	1.55	2.75	3.25	2.45*	45.87**
08	2.80	5.48	1.90	5.90	9.08*	3.42*	2.36*	.97	1.72	.25	2.44	1.64	37.96**
09	3.28	4.33	1.50	4.45	5.62	4.16	6.02	1.48	4.74	5.48	5.85	2.38	49.31
10	1.90	1.70	.05	3.34	7.18	1.80	4.26	1.12	7.29	1.69	.69	.93	32.05
11	3.63	2.67	1.98	3.97	1.10	1.28	3.12	5.69	8.13	2.51	2.94	2.20	39.22
12	.60	1.54	4.20	5.87	4.31	4.35	1.48	4.58	2.78	4.11	1.58	.55	35.95
13	4.60	1.81	6.03	3.24	2.04	1.08	1.26	2.87	3.87	3.64	4.74	1.16	36.34
14	2.50	2.26	1.89	2.92	.48	2.28	1.65	3.56	3.00	5.26	.64	2.15	28.59
15	2.66	1.75	.69	3.27	6.83	8.41	5.65	9.80	5.13	1.00	2.30	2.18	47.67
16	4.86	1.35	1.59	1.79	4.91	4.37	.32	8.78	3.66	2.09	1.96	1.06	36.77
17	.92	.29	3.21	4.44	4.91	4.54	2.20	2.51	3.28	1.09	.47	.56	28.42
18	.73	1.66	.81	6.48	3.63	3.28	1.47	2.29	5.25	3.26	2.79	2.30	33.95
19	.35	2.10	2.10	1.82	5.13	2.91	2.99	2.33	4.66	8.27	2.91	.40	55.37
20	.45	.14	4.75	3.29	5.91	1.56	.96	4.09	4.47	3.55	.83	2.53	32.53
21	1.17	.77	4.06	5.70	2.01	3.04	2.69	5.76	7.67	1.73	2.87	2.87	40.34
22	2.30	.84	7.97	8.28	2.57	1.05	1.92	1.27	1.20	1.93	3.02	1.75	34.10
23	.95	.53	4.86	2.58	2.31	2.65	1.72	4.81	3.47	3.91	1.69	3.31	33.09
24	1.17	1.25	4.14	4.04	4.71	5.22	2.40	2.33	4.19	2.25	1.98	4.90	35.58
25	.43	1.39	2.52	1.98	1.80	5.36	4.53	2.73	2.89	5.21	2.99	.98	32.81
26	1.59	2.51	2.71	4.36	.59	4.12	2.19	4.14	15.77	4.64	4.23	1.31	48.76
27	1.49	.86	6.04	7.03	6.89	3.55	6.90	3.27	4.49	3.24	4.77	2.36	48.55
28	1.32	1.65	.71	3.92	2.24	7.26	2.46	1.96	1.31	5.04	2.23	1.63	31.73
29	2.99	.56	4.20	4.63	9.62	2.99	4.02	2.21	2.18	4.56	1.22	.91	40.09
30	2.66	1.12	1.04	1.27	1.05	2.88	.48	.50	4.92	1.47	2.68	.73	20.80
31	.43	2.01	2.34	1.69	5.20	1.95	2.47	2.56	2.97	2.77	4.13	3.29	31.81
32	1.69	1.19	1.27	2.73	1.64	5.81	3.46	7.07	2.08	3.18	2.92	3.38	36.42
33	3.02	1.79	3.97	4.30	7.58	.61	1.39	2.96	3.29	4.97	.52	1.01	35.41
34	1.26	.75	2.35	1.49	.37	1.43	.04	2.88	7.52	2.54	4.08	1.48	26.19
35	2.30	1.68	3.01	3.03	8.59	6.02	2.47	.76	1.65	2.20	3.72	.84	38.27
36	1.23	1.10	2.13	1.43	2.30	2.84	.42	.69	8.01	3.25	2.46	2.81	28.67
37	4.76	1.64	1.04	4.92	3.90	5.60	5.23	3.37	1.87	2.79	2.06	2.11	38.49
38	1.82	1.73	5.04	3.86	4.13	5.05	4.60	3.48	1.60	2.34	2.06	2.42	38.13
39	1.97	2.50	3.61	5.26	1.49	6.14	3.78	4.72	.30	2.70	1.44	1.10	35.01
40	.77	.56	2.73	2.81	2.85	3.53	.38	4.36	T	1.25	2.60	2.01	23.65
41	3.35	.23	1.36	5.55	2.34	5.66	2.15	3.05	5.99	12.43	3.24	1.33	46.68
42	1.31	3.03	1.87	2.88	4.45	9.20	6.51	2.45	4.02	2.51	7.61	2.60	48.44
43	.47	.84	3.16	1.49	11.15	4.18	3.64	.83	3.55	1.91	1.29	1.46	33.97
44	.27	1.75	3.14	6.69	5.90	.95	1.43	5.12	3.43	1.67	1.46	1.38	33.19
45	1.08	1.76	5.60	5.59	3.50	12.35	.91	1.78	9.32	1.73	1.83	1.79	47.24
46	1.24	1.73	2.20	2.30	4.63	2.83	2.99	9.90	1.65	4.33	7.09	1.46	42.35
47	1.02	.07	2.39	5.95	4.24	8.52	.49	1.21	3.22	4.25	1.95	2.69	36.00
48	1.65	1.57	5.57	.95	3.28	3.16	7.86	1.98	1.48	2.08	2.26	1.63	33.47
49	4.94	2.29	1.77	2.20	3.34	5.29	6.30	1.35	3.96	4.90	.21	4.25	40.80
50	3.76	1.17	1.91	2.54	2.60	3.14	2.18	2.78	1.27	.98	2.25	.90	24.98
51	1.76	4.36	4.01	2.86	2.64	4.67	2.92	3.95	2.83	2.87	1.13	1.14	35.14
52	1.04	1.16	1.83	3.41	3.62	5.70	2.13	1.87	1.45	.27	2.42	1.65	26.55
53	.95	.61	4.61	2.75	2.19	2.21	1.12	1.59	1.29	1.37	.80	1.02	20.51
54	1.02	1.01	1.86	1.97	1.83	2.29	5.56	5.02	.67	4.65	1.63	1.42	28.93
55	1.86	3.35	1.74	3.26	4.61	2.55	5.62	2.31	1.68	6.26	.71	.21	34.16
56	.52	2.41	.55	4.09	4.21	3.64	3.65	6.94	1.95	.77	3.10	2.46	34.29
57	1.35	1.88	2.54	8.02	7.02	8.07	3.60	1.95	1.04	3.69	1.79	2.36	43.31
58	.67	.45	.68	2.12	2.55	3.99	7.80	1.86	1.90	.58	2.95	.34	26.09
59	1.41	2.22	2.63	2.17	3.84	.55	4.34	3.19	3.56	4.89	1.37	1.50	31.47
60	1.24	1.28	2.83	4.55	5.95	4.15	2.04	1.23	1.45	1.62	1.72	1.51	29.57
61	.21	1.51	4.08	3.92	5.77	3.54	4.28	8.82	6.28	2.54	2.57	1.27	44.79
62	1.95	1.81	3.20	1.92	5.24	6.75	4.41	2.24	2.11	4.23	2.55	.89	37.30
63	.42	.16	6.06	2.25	5.50	3.88	7.20	3.57	2.25	2.23	1.76	.56	35.84
64	1.66	.90	3.41	3.82	2.87	2.01	.89	2.41	2.11	.20	3.47	1.24	24.99
65	3.01	1.67	2.43	3.42	1.01	5.35	2.83	5.82	7.03	.75	.38	3.13	36.83
66	.34	3.06	.53	7.10	4.71	1.38	1.67	3.75	6.60	2.08	2.00	2.94	36.16
67	2.23	.41	2.77	3.34	3.71	3.51	7.64	.71	1.84	4.82	1.98	6.18	39.14
68	.93	1.05	1.04	2.26	4.63	2.27	5.52	2.11	4.74	2.23	3.83	2.31	32.93
69	3.12	2.61	1.80	4.36	1.91	4.62	5.28	1.76	6.91	7.24	.95	1.66	42.22
70	.30	.62	2.54	8.60	6.39	8.96	1.33	7.25	6.83	3.54	1.01	1.26	50.63
71	1.15	2.05	.55	.86	3.44	3.19	3.68	1.19	3.13	.80	1.75	4.95	26.74
72	.43	.63	4.11	5.32	1.28	1.76	1.45	3.76	3.09	2.28	4.47	2.78	31.36
73	2.21	.82	7.29	3.99	3.38	8.56	3.78	.67	3.11	3.10	2.29	3.74	42.94
74	4.39	2.95	2.16	4.21	5.98	2.21	1.87	2.37	2.90	1.30	3.97	1.76	36.07
75	4.37	3.01	2.09	3.28	3.93	3.68	2.34	4.39	6.37	1.22	2.87	2.65	40.20
76	.82	2.81	5.61	2.13	2.99	2.22	1.60	1.88	1.72	3.96	1.04	.39	27.17
77	.78	1.36	6.12	1.63	7.54	3.06	2.27	3.92	2.56	5.34	1.89	1.59	38.08
78	.82	.67	3.90	2.58	6.74	2.16	5.26	2.09	2.47	2.49	2.58	2.74	34.50
79	1.74	.26	2.55	4.95	1.83	3.61	3.80	2.63	.06	1.24	1.99	2.07	26.73
80	.62	.67	3.98	1.97	2.09	2.99	1.76	3.18	3.14	2.32	.53	1.02	24.27
81	.33	1.49	2.15	4.74	7.69	5.02	12.40	3.41	1.69	2.96	1.80	.94	44.62
82	2.91	.39	3.48	3.60	3.86	5.23	3.59	2.98	3.13	5.23	3.58	9.51	47.49
83	.36	1.26	3.05	5.81	5.35	2.74	1.23	2.16	2.01	3.86	7.56	3.11	38.50
84	.56	1.66	3.48	6.91	5.58	1.45	.73	1.54	4.05	2.22	3.79	3.04	35.01
85	1.53	4.13	4.64	1.75	3.70	5.92	3.47	6.09	2.61	2.13	8.48	3.23	47.73
86	T	1.09	3.18	1.40	5.19	3.20	4.88	.70	6.54	4.21	1.74	1.29	31.42
87	1.00	.23	2.77	3.49	1.26	1.81	3.99	4.01	1.50	1.33	3.34	4.54	29.26
88	.46	1.95	3.94	1.45	1.56	1.10	1.17	3.46	2.09	2.30	4.27	3.51	27.06
89	1.05	2.08	1.98	2.46	5.00	1.72	3.68	2.51	3.17	1.07	.51	.61	25.84
90	1.63	4.52	2.96	2.58	9.01	3.23	2.97	1.63	2.92	4.48	3.01	5.18	44.12

* Carlinville data used. White Hall data missing
** Annual touts calculated from Carlinvlle data and White Hall data
T Trace, an amount too small to measure

TOTAL SNOWFALL

WHITE HALL, ILLINOIS

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	SEASONAL TOTAL
1901-1902							8.8*	1.5*	.8*	.0	.0	.0	
02-03	.0	.0	.0	.0	T	1.0	7.2	1.8	.0	T	.0	.0	10.0
03-04	.0	.0	.0	.0	2.5	4.2	8.3	2.8	T	4.0	.0	.0	17.8
04-05	.0	.0	.0	.0	.0	6.0	1.5	10.0	.0	.0	.0	.0	17.5
05-06	.0	.0	.0	.0	.0	1.0	4.0	9.5	18.0	.0	.0	.0	32.5
06-07	.0	.0	.0	.0	.2	.5	2.1	7.0	1.5	T	.0	.0	11.3
07-08	.0	.0	.0	.0	.0	9.0*	6.0	16.5	.0	T	.0	.0	31.5**
08-09	.0	.0	.0	.0	T	2.6	7.4	6.2	T	T	T	.0	16.2
09-10	.0	.0	.0	T	.0	12.1	4.2	5.4	.0	T	.0	.0	21.7
10-11	.0	.0	.0	T	T	T	.9	7.2	T	T	.0	.0	8.1
11-12	.0	.0	.0	T	3.1	6.0	5.0	9.3	9.1	T	.0	.0	32.5
12-13	.0	.0	.0	.0	T	T	.2	3.1	4.6	.0	.0	.0	9.9
13-14	.0	.0	.0	T	.0	3.9	11.1	12.5	3.4	T	.0	.0	30.9
14-15	.0	.0	.0	.0	T	6.2	7.5	1.9	3.3	.0	.0	.0	18.0
15-16	.0	.0	.0	.0	T	12.0	2.0	6.5	6.5	T	.0	.0	27.0
16-17	.0	.0	.0	1.0	T	5.0	1.0	T	T	.5	.0	.0	7.5
17-18	.0	.0	.0	T	.5	5.8	8.4	T	T	T	.0	.0	15.7
18-19	.0	.0	.0	.0	T	1.6	T	4.0	3.0	T	.0	.0	8.6
19-20	.0	.0	.0	.0	T	T	4.0	.2	.5	6.2	.0	.0	10.7
20-21	.0	.0	.0	T	T	6.4	2.5	.7	.0	.3	.0	.0	9.9
21-22	.0	.0	.0	.0	.4	3.1	5.5	T	5.8	.0	.0	.0	14.8
22-23	.0	.0	.0	.0	.0	1.0	2.5	1.0	.5	.0	T	.0	5.0
23-24	.0	.0	.0	.0	.0	T	6.5	2.5	10.7	.0	.0	.0	19.7
24-25	.0	.0	.0	.0	T	2.8	2.8	4.5	.4	.0	.0	.0	10.5
25-26	.0	.0	.0	1.0	2.0	1.7	5.2	1.0	8.8	.4	.0	.0	20.1
26-27	.0	.0	.0	.0	9.5	2.5	8.8	1.0	3.0	.0	.0	.0	24.8
27-28	.0	.0	.0	.0	2.0	5.0	1.1	.8	T	T	.0	.0	8.9
28-29	.0	.0	.0	.0	.1	.4	4.8	3.2	T	.0	.0	.0	8.5
29-30	.0	.0	.0	1.0	1.0	7.0	5.8	1.5	3.5	.0	.0	.0	19.8
30-31	.0	.0	.0	T	T	2.1	1.5	.3	8.2	.0	.0	.0	12.1
31-32	.0	.0	.0	.0	2.4	1.1	.0	.4	T	.0	.0	.0	3.9
32-33	.0	.0	.0	.0	13.5	5.3	T	.5	1.0	.0	.0	.0	20.3
33-34	.0	.0	.0	.0	.0	T	T	6.1	7.0	.0	.0	.0	13.1
34-35	.0	.0	.0	.0	.0	4.0	T	T	2.0	T	.0	.0	6.0
35-36	.0	.0	.0	.0	T	2.0	8.5	1.0	T	T	.0	.0	11.5
36-37	.0	.0	.0	.0	1.0	3.0	4.2	2.0	2.0	T	.0	.0	12.2
37-38	.0	.0	.0	T	2.5	T	1.5	4.5	.0	T	.0	.0	8.5
38-39	.0	.0	.0	.0	T	T	8.5	4.5	T	T	.0	.0	13.0
39-40	.0	.0	.0	T	T	6.3	5.3	3.0	.5	T	.0	.0	15.3
40-41	.0	.0	.0	.0	T	1.5	6.2	.7	3.0	.0	.0	.0	11.4
41-42	.0	.0	.0	.0	2.0	T	2.0	5.5	T	.0	.0	.0	9.5
42-43	.0	.0	.0	T	1.5	4.5	1.7	2.5	1.5	T	.0	.0	11.7
43-44	.0	.0	.0	.0	T	8.0	.0	6.0	1.5	T	T	.0	15.5
44-45	.0	.0	.0	.0	T	9.5	9.5	7.2	T	.0	.0	.0	26.2
45-46	.0	.0	.0	.0	T	7.0	2.0	3.0	.0	T	.0	.0	12.0
46-47	.0	.0	.0	.0	.0	T	3.7	1.2	9.6	.0	.0	.0	14.5
47-48	.0	.0	.0	.0	T	T	3.3	8.5	4.0	.0	.0	.0	15.8
48-49	.0	.0	.0	.0	T	6.0	1.0	1.5	T	.0	.0	.0	8.5
49-50	.0	.0	.0	.0	T	T	T	T	1.3	.0	.0	.0	1.3
50-51	.0	.0	.0	.0	.5	2.7	2.3	7.7	9.0	T	.0	.0	22.2
51-52	.0	.0	.0	.0	8.3	10.8	3.0	3.5	3.8	.0	.0	.0	29.4
52-53	.0	.0	.0	.0	.8	2.9	2.6	T	6.5	T	.0	.0	12.8
53-54	.0	.0	.0	.0	T	1.7	5.3	.4	1.5	.0	.0	.0	8.9
54-55	.0	.0	.0	T	T	2.0	.5	1.0	4.8	.0	.0	.0	8.3
55-56	.0	.0	.0	T	.5	2.2	7.0	8.0	T	T	.0	.0	17.7
56-57	.0	.0	.0	.0	1.0	.5	3.8	T	T	T	.0	.0	5.3
57-58	.0	.0	.0	.0	T	.2	.3	.3	5.5	.0	.0	.0	6.3
58-59	.0	.0	.0	.0	3.5	.5	3.4	1.3	T	.0	.0	.0	10.7
59-60	.0	.0	.0	.0	T	T	4.5	10.5	24.0	.0	.0	.0	39.0
60-61	.0	.0	.0	.0	T	9.0	3.5	7.3	T	T	.0	.0	19.8
61-62	.0	.0	.0	.0	2.0	6.5	9.0	6.0	T	T	.0	.0	23.5
62-63	.0	.0	.0	.0	.0	4.0	4.8	2.1	T	.0	.0	.0	10.9
63-64	.0	.0	.0	.0	T	5.0	10.0	9.0	2.0	T	.0	.0	26.0
64-65	.0	.0	.0	.0	3.0	1.8	7.0	14.5	10.0	.0	.0	.0	36.3
65-66	.0	.0	.0	.0	.0	.6	T	5.5	T	T	.0	.0	6.1
66-67	.0	.0	.0	.0	T	T	1.5	T	.5	.0	.0	.0	2.0
67-68	.0	.0	.0	T	1.0	5.0	6.0	T	3.2	.0	.0	.0	15.2
68-69	.0	.0	.0	.0	T	3.2	3.9	6.0	5.0	.0	.0	.0	18.1
69-70	.0	.0	.0	.0	.0	11.8	2.6	7.0	2.0	.0	.0	.0	23.4
70-71	.0	.0	.0	.0	.0	T	3.0	T	T	1.0	.0	.0	4.0
71-72	.0	.0	.0	.0	7.0	T	4.5	5.0	3.5	.0	.0	.0	20.0
72-73	.0	.0	.0	.0	5.0	4.0	.5	3.5	T	.5	.0	.0	13.5
73-74	.0	.0	.0	.0	.0	2.5	4.0*	3.5*	5.7*	T*	.0	.0	15.7**
74-75	.0	.0	.0	.0	.0	1.5	3.3*	6.3*	4.0	.0	.0	.0	15.1**
75-76	.0	.0	.0	.0	5.0	3.2*	2.0	.5	T	.0	.0	.0	10.7**
76-77	.0	.0	.0	.0	.0	.5	7.5	1.5	.0	.0	.0	.0	9.5
77-78	.0	.0	.0	.0	5.0	8.0	9.6*	8.0	10.2	.0	.0	.0	40.8**
78-79	.0	.0	.0	.0	.0	1.5	10.0	2.7	2.0	.0	.0	.0	16.2
79-80	.0	.0	.0	.0	.0	.0	5.0	5.5*	9.5*	5.0	.0	.0	25.0**
80-81	.0	.0	.0	.0	.0	.6*	T*	7.9*	.0	.0	.0	.0	8.5**
81-82	.0	.0	.0	.0	.0	6.5	.0	8.7*	T	.0	.0	.0	15.2**
82-83	.0	.0	.0	.0	.0	.0	2.0	.8*	1.5*	.0	.0	.0	4.3**
83-84	.0	.0	.0	.0	.0	2.4	1.0M	3.2	3.6	.0	.0	.0	10.2M
84-85	.0	.0	.0	.0	1.0	.0	7.5	2.9	.0	.0	.0	.0	11.4
85-86	.0	.0	.0	.0	.0	2.0	T	5.3	T	.0	.0	.0	7.3
86-87	.0	.0	.0	.0	.0	.0	17.5	.0	.0	.0	.0	.0	17.5
87-88	.0	.0	.0	.0	T	6.0	T	10.0	3.5	.0	.0	.0	19.5
88-89	.0	.0	.0	.0	.0	4.0	.0	5.5M	4.0	.0	.0	.0	13.5M
89-90	.0	.0	.0	.0	.0	6.0	T	.0	4.0	.0	.0	.0	10.0
90-91	.0	.0	.0	.0	.0	8.0							

* Carlinville data used. White Hall data missing

** Seasonal totals calculated from Carlinville data and White Hall data

M One to nine day missing.

T Trace, an amount too small to measure

WHITE HALL STATION HISTORY

Systematic daily weather observations have been taken in White Hall since 1869, first under the auspices of the Signal Corps, followed by the U. S. Weather Bureau and the National Weather Service. White Hall has one of the earliest weather records in the state, consisting of daily high and low temperature, precipitation, snowfall and snow on the ground.

The White Hall Cooperative weather station is one of about 200 such observing sites in Illinois under the direction of the National Weather Service. The White Hall data as well as other climatological data and information are available from either:

Illinois State Water Survey
ATTN: STATE CLIMATOLOGIST
2204 Griffith Dr.
Champaign IL 61820
217-333-2210

National Climatic Data Center
Federal Bldg.
Asheville NC 28801
704-259-0682

We gratefully acknowledge the typing assistance of Alice Wallner and Gloria Levitt.