

**Vegetable Research Farm, New York State Agricultural Experiment Station, Geneva, N.Y.**  
**Daily data for 24 hour period ending at 8.00 A.M. EST**

**Station number 3031840**

**July 2004**

Mo. Day	Cl. Day	Air Temp. F			Rel. Hum. Pct			VPD Thou In/Hg	Solar Rad		PPT Hund Ins	Snow Tnth Ins	Mi.Wind 1.5 Ft	Pan Thou In Evap
		Max	Min	Avg	Max	Min	Avg		Total	Diff				
1	123	78	59	68	92	41	66	232	504	216	0	0	0	210
2	124	84	57	70	93	47	70	192	533	257	0	0	0	283
3	125	76	53	64	77	36	56	359	602	212	0	0	0	334
4	126	81	61	71	93	39	66	205	663	109	0	0	0	280
5	127	85	67	76	92	35	63	288	683	105	2	0	0	211
6	128	84	57	70	95	59	77	198	404	321	3	0	0	277
7	129	74	58	66	99	48	73	147	400	214	0	0	0	233
8	130	80	64	72	93	53	73	154	539	191	35	0	0	144
9	131	77	58	67	99	69	84	64	298	215	28	0	0	223
10	132	69	48	58	98	58	78	113	395	229	0	0	0	140
11	133	78	60	69	92	64	78	118	354	303	0	0	0	209
12	134	82	65	73	97	53	75	156	598	269	0	0	0	279
13	135	73	58	65	98	40	69	218	607	239	172	0	0	155
14	136	78	65	71	100	88	94	42	134	126	58	0	0	269
15	137	69	59	64	100	69	84	104	455	248	53	0	0	12
16	138	70	62	66	100	87	93	24	116	106	15	0	0	0
17	139	75	62	68	98	78	88	60	279	249	12	0	0	255
18	140	81	63	72	96	73	84	101	415	270	0	0	0	259
19	141	73	62	67	99	55	77	129	453	272	0	0	0	115
20	142	76	60	68	99	74	86	73	309	259	0	0	0	135
21	143	81	61	71	98	56	77	98	354	231	6	0	45	180
22	144	85	66	75	98	46	72	124	469	289	0	0	111	196
23	145	86	69	77	92	56	74	213	488	311	0	0	0	134
24	146	74	57	65	97	60	78	144	293	219	0	0	0	179
25	147	68	53	60	95	71	83	99	349	311	0	0	0	343
26	148	72	58	65	91	44	67	171	643	350	0	0	0	19
27	149	66	60	63	93	51	72	131	357	297	194	0	0	139
28	150	67	61	64	100	86	93	17	77	72	59	0	0	85
29	151	78	58	68	100	88	94	4	114	105	3	0	0	159
30	152	80	64	72	99	60	79	81	382	223	0	0	0	210
31	153	81	67	74	96	43	69	180	616	169	6	0	0	155
<b>Sums</b>		<b>2381</b>	<b>1872</b>	<b>2119</b>	<b>2969</b>	<b>1827</b>	<b>2392</b>	<b>4239</b>	<b>12883</b>	<b>6987</b>	<b>646</b>	<b>0</b>	<b>156</b>	<b>5822</b>
<b>Average</b>		<b>76.8</b>	<b>60.4</b>	<b>68.4</b>	<b>95.8</b>	<b>58.9</b>	<b>77.2</b>	<b>.137</b>	<b>415.6</b>	<b>225.4</b>	<b>.21</b>	<b>.0</b>	<b>5.0</b>	<b>.188</b>

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		Soil Temperature F															
		Sod								Bare							
Mo.	Cl.	2 Inch		4 Inch		8 Inch		12 Inch		2 Inch		4 Inch		8 Inch		12 Inch	
Day	Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	123	83	60	79	61	69	61	67	62	84	60	79	61	72	61	68	62
2	124	86	62	81	63	72	64	68	64	87	62	81	64	75	64	70	64
3	125	91	63	86	64	75	66	71	66	92	63	86	66	79	67	73	66
4	126	91	61	86	63	76	68	72	68	92	62	86	64	80	67	74	68
5	127	95	66	90	67	78	68	74	68	96	67	90	68	83	68	75	68
6	128	87	70	83	70	76	71	74	70	88	70	83	70	79	71	75	71
7	129	89	65	85	66	77	69	74	71	90	65	86	66	80	69	75	69
8	130	90	67	85	68	76	69	72	69	91	67	85	68	80	69	74	69
9	131	83	66	79	67	73	69	72	69	83	66	79	68	76	69	73	69
10	132	83	61	80	62	73	66	71	67	85	61	80	63	75	65	73	67
11	133	76	60	73	62	70	65	69	66	77	61	73	62	72	64	69	65
12	134	89	63	84	64	74	65	70	66	90	63	84	64	78	65	72	65
13	135	96	69	91	68	79	68	74	68	97	69	90	68	83	68	76	68
14	136	76	67	74	67	72	68	72	68	76	66	74	67	73	68	72	68
15	137	85	66	81	67	74	68	71	68	86	67	81	68	77	68	72	68
16	138	71	62	70	63	70	65	70	66	71	61	70	63	70	65	70	66
17	139	74	64	71	64	68	65	68	66	74	63	71	64	69	65	68	65
18	140	79	62	76	63	70	65	68	66	80	62	76	64	72	65	68	65
19	141	85	66	80	66	72	66	70	66	86	66	80	66	75	66	71	66
20	142	78	65	75	66	71	68	70	68	79	65	76	66	73	67	70	68
21	143	82	63	78	64	72	67	70	68	83	64	78	65	74	67	71	68
22	144	90	64	84	65	74	67	71	68	89	65	83	66	77	67	73	68
23	145	88	70	84	69	76	68	73	68	89	70	84	68	79	68	74	68
24	146	86	70	82	71	76	72	74	71	87	71	81	72	78	71	75	71
25	147	83	63	80	64	75	68	73	70	83	63	80	65	77	68	74	69
26	148	89	62	85	63	76	68	73	69	89	62	84	64	80	67	74	68
27	149	84	66	80	65	73	68	72	68	84	66	79	66	76	67	73	68
28	150	71	64	70	65	69	67	70	67	71	64	70	65	70	66	70	67
29	151	69	63	68	64	67	66	67	65	69	63	69	64	68	65	67	66
30	152	83	62	78	63	71	66	69	66	83	62	77	64	73	65	70	66
31	153	87	66	83	67	74	66	71	66	88	66	83	66	77	66	72	66
<b>Sums</b>		<b>2599</b>	<b>1998</b>	<b>2481</b>	<b>2021</b>	<b>2268</b>	<b>2077</b>	<b>2200</b>	<b>2088</b>	<b>2619</b>	<b>2002</b>	<b>2478</b>	<b>2035</b>	<b>2350</b>	<b>2068</b>	<b>2231</b>	<b>2082</b>
<b>Averages</b>		<b>83.8</b>	<b>64.5</b>	<b>80.0</b>	<b>65.2</b>	<b>73.2</b>	<b>67.0</b>	<b>71.0</b>	<b>67.4</b>	<b>84.5</b>	<b>64.6</b>	<b>79.9</b>	<b>65.6</b>	<b>75.8</b>	<b>66.7</b>	<b>72.0</b>	<b>67.2</b>

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MO. Day	Cl. Day	Heating Degrees Base 65F	Growing Degrees Base 40F	Mean (SCALAR) Wind Chill Index	Cooling Degrees Base 65F
1	123	0	28		3
2	124	0	30		5
3	125	1	24		0
4	126	0	31		6
5	127	0	36		11
6	128	0	30		5
7	129	0	26		1
8	130	0	32		7
9	131	0	27		2
10	132	7	18		0
11	133	0	29		4
12	134	0	33		8
13	135	0	25		0
14	136	0	31		6
15	137	1	24		0
16	138	0	26		1
17	139	0	28		3
18	140	0	32		7
19	141	0	27		2
20	142	0	28		3
21	143	0	31		6
22	144	0	35		10
23	145	0	37		12
24	146	0	25		0
25	147	5	20		0
26	148	0	25		0
27	149	2	23		0
28	150	1	24		0
29	151	0	28		3
30	152	0	32		7
31	153	0	34		9
<b>Sums for month</b>		<b>17</b>	<b>879</b>		<b>121</b>
<b>17</b>	<b>Accumulated heating degree days since July 1</b>				
<b>2452</b>	<b>Accumulated growing degree days since Jan. 1</b>				
<b>221</b>	<b>Accumulated cooling degree days since Apr. 1</b>				