

**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**

**2003**

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 Evap
		Max	Min	Avg	Max	Min	Avg		Total	Diff				
1	123	74	56	65	93	42	67	0	620	207	0	0	11	291
2	124	82	59	70	96	30	63	253	613	202	0	0	5	236
3	125	87	64	75	85	35	60	296	614	233	11	0	10	300
4	126	87	67	77	76	51	63	329	558	275	0	0	3	269
5	127	88	73	80	90	53	71	411	483	276	0	0	5	290
6	128	85	68	76	90	36	63	247	635	165	0	0	36	236
7	129	85	63	74	98	75	86	321	286	220	0	0	16	214
8	130	79	67	73	94	49	71	80	466	219	18	0	1	70
9	131	86	62	74	98	58	78	268	460	177	12	0	33	316
10	132	75	57	66	98	62	80	99	318	219	15	0	4	174
11	133	74	57	65	93	49	71	109	478	229	53	0	76	215
12	134	81	59	70	90	52	71	185	272	215	0	0	65	260
13	135	71	58	64	96	39	67	162	544	162	10	0	77	175
14	136	78	55	66	92	39	65	208	601	174	0	0	10	210
15	137	82	60	71	96	42	69	245	592	204	1	0	12	244
16	138	85	65	75	90	65	77	239	382	261	18	0	65	328
17	139	75	57	66	90	40	65	130	586	102	0	0	45	184
18	140	83	60	71	90	31	60	347	667	90	0	0	24	330
19	141	75	54	64	80	36	58	248	563	167	0	0	27	314
20	142	76	58	67	90	33	61	255	362	170	0	0	9	177
21	143	78	62	70	99	83	91	234	185	161	0	0	53	174
22	144	71	64	67	98	64	81	37	342	238	71	0	20	72
23	145	77	62	69	99	56	77	66	411	238	67	0	12	170
24	146	76	62	69	98	66	82	81	340	245	21	0	65	146
25	147	74	58	66	88	44	66	86	607	135	45	0	26	184
26	148	81	64	72	93	51	72	285	412	210	0	0	65	267
27	149	80	67	73	91	68	79	243	245	179	2	0	28	221
28	150	78	59	68	83	44	63	143	554	213	2	0	52	143
29	151	74	57	65	96	43	69	221	603	152	0	0	41	241
30	152	79	58	68	93	32	62	206	639	115	0	0	19	231
31	153	82	61	71	98	44	71	237	458	273	0	0	23	256
Sums		2458	1893	2167	2861	1512	2179	6271	14896	6126	346	0	938	6938
Average		79.3	61.1	69.9	92.3	48.8	70.3	.202	480.5	197.6	.11	.0	30.3	.224

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		----- Soil Temperature F -----															
		Sod								Bare							
Mo. Day	Cl. Day	2 Inch		4 Inch		8 Inch		12 Inch		2 Inch		4 Inch		8 Inch		12 Inch	
		Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	123	82	61	80	63	74	66	72	68	87	62	81	64	78	67	73	68
2	124	91	65	86	67	77	67	73	67	95	66	87	67	80	67	75	67
3	125	94	69	89	69	79	69	75	69	97	70	90	70	83	69	77	69
4	126	93	68	89	69	81	71	76	71	96	69	90	70	85	72	78	71
5	127	95	73	90	72	81	72	77	72	97	73	90	73	84	72	79	72
6	128	93	70	88	71	80	73	77	73	94	70	89	72	84	73	78	73
7	129	98	70	94	71	83	73	79	73	101	70	94	72	87	73	81	73
8	130	83	68	81	69	76	71	74	71	84	68	81	70	78	71	75	71
9	131	91	67	86	68	79	71	76	71	93	67	87	68	82	70	77	71
10	132	83	62	80	64	75	68	73	69	84	62	80	64	78	67	75	68
11	133	79	66	76	66	73	67	71	68	81	66	77	66	74	67	72	68
12	134	81	62	77	63	72	66	71	67	82	62	77	64	75	66	72	67
13	135	72	62	70	63	69	64	69	66	72	62	71	63	70	64	69	65
14	136	83	61	79	62	73	65	71	65	85	62	80	64	76	64	73	65
15	137	89	65	84	66	76	66	73	67	91	66	85	66	80	66	75	66
16	138	92	68	85	68	78	69	75	69	93	69	87	69	81	69	76	69
17	139	78	61	75	63	73	66	72	68	78	62	76	64	75	66	73	67
18	140	91	67	86	65	77	66	74	67	92	66	86	65	82	66	76	67
19	141	92	62	87	64	78	68	75	69	93	62	87	65	82	68	77	69
20	142	89	63	84	65	77	68	74	69	89	63	84	66	81	68	76	69
21	143	88	66	82	67	75	68	73	69	89	66	82	67	78	68	75	69
22	144	75	66	73	66	70	67	70	68	75	66	74	66	72	67	72	67
23	145	83	65	80	66	73	67	71	67	83	66	79	66	75	67	73	67
24	146	85	66	81	66	74	68	72	68	85	66	82	67	78	68	73	67
25	147	78	61	75	63	72	66	71	67	78	61	76	63	74	65	72	67
26	148	84	64	81	65	75	66	72	67	85	65	81	65	77	66	74	67
27	149	83	68	80	67	75	68	72	68	86	68	81	68	77	68	74	67
28	150	78	64	75	65	73	68	72	68	78	64	76	66	75	67	72	68
29	151	84	61	80	63	75	67	73	68	85	62	80	64	78	66	74	68
30	152	93	65	87	65	78	67	74	68	92	66	87	66	81	66	76	67
31	153	95	66	89	68	80	69	76	70	95	67	89	68	85	68	78	69
Sums		2675	2022	2549	2049	2351	2107	2273	2127	2715	2034	2566	2068	2445	2101	2320	2118
Averages		86.3	65.2	82.2	66.1	75.8	68.0	73.3	68.6	87.6	65.6	82.8	66.7	78.9	67.8	74.8	68.3

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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	25		0
2	124	0	30		5
3	125	0	35		10
4	126	0	37		12
5	127	0	40		15
6	128	0	36		11
7	129	0	34		9
8	130	0	33		8
9	131	0	34		9
10	132	0	26		1
11	133	0	25		0
12	134	0	30		5
13	135	1	24		0
14	136	0	26		1
15	137	0	31		6
16	138	0	35		10
17	139	0	26		1
18	140	0	31		6
19	141	1	24		0
20	142	0	27		2
21	143	0	30		5
22	144	0	27		2
23	145	0	29		4
24	146	0	29		4
25	147	0	26		1
26	148	0	32		7
27	149	0	33		8
28	150	0	28		3
29	151	0	25		0
30	152	0	28		3
31	153	0	31		6
Sums for month		2	927		154
2	Accumulated heating degree days since July 1				
2325	Accumulated growing degree days since Jan. 1				
218	Accumulated cooling degree days since Apr. 1				