

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

1998

Mo. Day	Cl. Day	Air Temp. F			Rel. Hum. Pct			VPD	Solar Rad		PPT	Snow	Mi.Wind	Pan
		Max	Min	Avg	Max	Min	Avg	Thou In/Hg	Gm Cal/Cm2 Total Diff	Hund Ins	Tnth Ins	1.5 Ft	Thou In Evap	
1	123	84	58	71	93	74	83	88	289	217	32	0	91	152
2	124	65	57	61	92	64	78	98	220	176	2	0	101	68
3	125	78	55	66	93	42	67	221	595	166	0	0	56	249
4	126	82	62	72	90	37	63	297	549	175	0	0	32	231
5	127	70	57	63	97	77	87	41	152	93	105	0	82	66
6	128	73	53	63	93	37	65	182	660	115	0	0	62	300
7	129	77	58	67	96	42	69	238	485	223	11	0	36	207
8	130	72	63	67	98	77	87	46	179	160	56	0	40	123
9	131	74	65	69	98	76	87	52	248	161	42	0	60	221
10	132	80	62	71	93	53	73	180	481	254	0	0	70	212
11	133	71	56	63	86	42	64	206	604	162	0	0	129	292
12	134	74	61	67	75	36	55	306	651	103	0	0	117	288
13	135	79	57	68	93	33	63	253	584	151	0	0	32	185
14	136	84	64	74	83	36	59	326	631	95	0	0	34	260
15	137	85	63	74	90	37	63	304	549	248	0	0	29	230
16	138	87	67	77	95	42	68	238	515	244	0	0	25	217
17	139	87	66	76	96	45	70	222	522	244	3	0	39	241
18	140	81	62	71	91	52	71	175	443	274	0	0	32	260
19	141	79	57	68	94	38	66	226	562	159	0	0	66	276
20	142	84	65	74	91	35	63	354	513	205	3	0	63	168
21	143	83	70	76	81	41	61	339	497	161	0	0	88	292
22	144	84	74	79	81	52	66	378	348	245	0	0	97	233
23	145	84	66	75	98	60	79	188	349	236	86	0	56	244
24	146	82	61	71	97	48	72	238	533	184	5	0	76	203
25	147	72	56	64	91	46	68	181	456	228	1	0	68	209
26	148	73	54	63	86	36	61	215	501	158	0	0	39	279
27	149	77	56	66	92	33	62	233	577	160	0	0	29	118
28	150	82	63	72	91	38	64	367	560	165	0	0	62	267
29	151	83	64	73	93	38	65	347	526	158	19	0	67	168
30	152	78	62	70	85	42	63	256	558	142	0	0	64	288
31	153	75	59	67	96	55	75	122	209	169	1	0	23	74
Sums		2439	1893	2158	2828	1464	2137	6917	14546	5631	366	0	1865	6621
Average		78.7	61.1	69.6	91.2	47.2	68.9	.223	469.2	181.6	.12	.0	60.2	.214

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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	76	62	73	63	71	66	71	66	80	59	75	62	73	63	71	65
2	124	67	61	68	63	68	64	69	64	71	58	68	61	70	63	69	63
3	125	80	63	74	64	72	65	70	66	86	60	80	63	75	64	71	65
4	126	82	66	77	67	72	66	71	66	93	65	83	65	78	66	72	66
5	127	72	62	69	65	70	65	70	66	72	60	72	62	71	64	71	65
6	128	78	61	75	63	72	65	70	65	83	58	78	61	75	62	72	64
7	129	81	67	75	66	72	66	70	66	87	64	79	64	76	64	71	66
8	130	73	67	72	67	70	67	70	67	76	66	74	66	73	67	70	66
9	131	76	67	72	67	70	67	70	67	82	66	74	67	73	67	70	66
10	132	79	66	75	67	73	68	71	67	85	65	81	66	77	67	72	67
11	133	75	63	73	63	72	66	71	66	82	59	77	63	75	63	72	66
12	134	75	62	72	64	71	66	70	66	85	60	77	63	75	64	72	66
13	135	78	65	74	65	71	66	70	66	88	63	81	64	77	65	71	66
14	136	81	66	77	67	74	67	71	67	92	65	85	66	78	67	74	67
15	137	80	68	77	68	73	69	72	68	91	66	83	68	79	69	74	69
16	138	81	70	78	70	74	70	73	69	94	70	85	69	78	70	75	69
17	139	84	70	79	71	75	71	74	70	94	69	86	71	82	72	76	70
18	140	80	68	79	69	75	70	74	70	91	66	83	68	79	69	75	70
19	141	79	65	77	67	75	69	73	69	91	64	83	67	80	68	74	69
20	142	80	69	77	69	74	69	72	69	90	68	81	68	79	69	74	69
21	143	78	68	77	69	74	69	73	69	91	68	83	69	78	70	74	70
22	144	78	70	77	70	74	70	73	69	87	71	82	71	78	71	75	70
23	145	77	69	76	69	73	70	73	70	87	69	81	70	77	70	74	70
24	146	78	66	76	67	74	69	73	69	85	62	80	65	77	68	76	69
25	147	73	64	73	65	72	68	72	68	79	60	75	64	73	66	72	67
26	148	74	63	73	64	71	66	71	67	82	60	76	63	75	64	71	66
27	149	77	63	74	65	71	66	70	67	87	61	78	64	76	65	72	66
28	150	77	67	74	66	72	67	71	67	86	64	78	65	75	64	72	67
29	151	78	68	76	68	74	68	72	68	92	67	82	68	78	69	74	68
30	152	77	66	76	67	74	69	72	68	86	64	80	66	77	68	74	68
31	153	73	65	72	66	72	67	71	68	75	62	73	64	71	66	71	66
Sums		2397	2037	2317	2061	2245	2091	2213	2090	2650	1979	2453	2033	2358	2064	2251	2081
Averages		77.3	65.7	74.7	66.5	72.4	67.5	71.4	67.4	85.5	63.8	79.1	65.6	76.1	66.6	72.6	67.1

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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	31		6
2	124	4	21		0
3	125	0	26		1
4	126	0	32		7
5	127	2	23		0
6	128	2	23		0
7	129	0	27		2
8	130	0	27		2
9	131	0	29		4
10	132	0	31		6
11	133	2	23		0
12	134	0	27		2
13	135	0	28		3
14	136	0	34		9
15	137	0	34		9
16	138	0	37		12
17	139	0	36		11
18	140	0	31		6
19	141	0	28		3
20	142	0	34		9
21	143	0	36		11
22	144	0	39		14
23	145	0	35		10
24	146	0	31		6
25	147	1	24		0
26	148	2	23		0
27	149	0	26		1
28	150	0	32		7
29	151	0	33		8
30	152	0	30		5
31	153	0	27		2
Sums for month		13	918		156

13 Accumulated heating degree days since July 1
 2753 Accumulated growing degree days since Jan. 1
 309 Accumulated cooling degree days since Apr. 1