

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 2002

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	Diff	Hund Ins	Tnth Ins	1.5 Ft	Thou In Evap
1	123	86	65	75	90	42	66	291	0	245	0	0	7	249
2	124	89	72	80	84	48	66	388	0	238	0	0	10	234
3	125	91	73	82	80	44	62	411	0	230	0	0	37	287
4	126	90	75	82	76	50	63	429	0	174	0	0	70	339
5	127	88	58	73	75	38	56	392	0	224	0	0	85	302
6	128	71	60	65	88	51	69	194	0	269	0	0	82	141
7	129	76	60	68	77	34	55	294	0	258	0	0	77	267
8	130	82	61	71	76	31	53	355	0	196	0	0	43	348
9	131	87	67	77	77	38	57	436	0	194	0	0	13	288
10	132	74	60	67	96	53	74	128	0	122	1	0	29	99
11	133	70	53	61	80	32	56	247	0	53	0	0	57	319
12	134	71	47	59	86	28	57	245	0	63	0	0	60	302
13	135	80	54	67	92	28	60	281	0	73	0	0	10	253
14	136	84	58	71	92	32	62	316	0	125	0	0	16	372
15	137	86	67	76	80	33	56	367	0	162	0	0	18	202
16	138	84	60	72	89	47	68	315	0	188	0	0	52	243
17	139	80	62	71	85	23	54	382	0	122	0	0	48	306
18	140	90	73	81	73	42	57	474	0	227	0	0	65	359
19	141	85	64	74	96	54	75	155	0	272	0	0	36	246
20	142	77	63	70	96	64	80	113	0	240	T	0	24	128
21	143	80	56	68	86	29	57	305	0	88	0	0	24	360
22	144	89	68	78	78	37	57	419	0	212	0	0	23	249
23	145	93	72	82	95	44	69	253	0	206	8	0	45	240
24	146	77	44	60	96	59	77	123	0	213	40	0	45	197
25	147	70	53	61	93	45	69	170	0	245	0	0	27	217
26	148	79	57	68	83	52	67	238	0	232	T	0	82	244
27	149	79	59	69	93	59	76	154	0	222	34	0	119	175
28	150	83	67	75	98	55	76	164	0	228	65	0	21	206
29	151	87	69	78	96	59	77	197	0	250	34	0	58	230
30	152	89	71	80	92	54	73	223	0	310	10	0	25	246
31	153	83	68	75	90	48	69	247	0	290	0	0	76	287
Sums		2550	1936	2236	2688	1353	2013	8706	0	6171	192	0	1384	7935
Average		82.3	62.5	72.1	86.7	43.6	64.9	.281	.0	199.1	.06	.0	44.6	.256

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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	89	69	85	70	78	73	76	70	95	69	88	70	83	70	77	70
2	124	91	73	87	72	80	72	77	72	97	74	90	73	85	72	79	72
3	125	93	73	89	74	82	74	79	74	98	74	93	75	87	76	81	74
4	126	96	75	91	76	84	75	80	75	100	76	94	77	88	76	82	75
5	127	94	67	89	70	83	73	80	74	98	67	92	70	87	73	81	74
6	128	84	65	81	67	77	70	76	71	87	64	82	67	79	69	76	71
7	129	82	64	79	66	75	69	74	70	84	63	80	66	77	68	74	70
8	130	89	68	84	67	78	69	75	69	92	68	86	67	81	68	76	69
9	131	96	73	90	71	82	71	78	71	100	73	92	71	86	71	79	71
10	132	78	66	76	68	75	70	74	71	79	66	77	68	76	70	75	70
11	133	91	63	85	65	79	69	76	70	93	62	87	65	83	68	76	70
12	134	90	62	85	64	78	68	75	69	93	61	86	64	82	67	76	69
13	135	95	66	88	66	80	68	77	69	97	65	90	66	84	67	78	69
14	136	97	68	90	69	82	71	78	71	99	68	92	69	86	70	79	71
15	137	98	70	91	72	83	73	79	73	101	71	94	72	87	73	81	73
16	138	95	69	88	71	82	73	79	74	96	68	90	71	86	73	80	74
17	139	95	71	89	72	82	73	79	73	97	71	92	72	87	73	81	73
18	140	97	74	91	74	83	74	80	74	100	74	93	74	88	74	81	74
19	141	95	74	89	74	83	75	80	75	98	73	91	74	86	76	81	76
20	142	87	70	84	71	80	73	78	74	89	69	85	71	82	73	79	74
21	143	98	68	92	70	83	73	80	73	101	67	93	70	87	73	81	74
22	144	97	73	90	72	83	73	80	74	99	73	92	72	87	73	81	74
23	145	97	74	91	75	83	76	80	76	100	74	93	75	89	76	82	76
24	146	81	61	79	64	76	68	76	70	82	60	79	64	78	67	77	70
25	147	79	60	77	63	75	67	73	68	84	60	80	63	77	66	74	68
26	148	87	66	82	65	76	67	74	68	91	66	84	65	79	66	76	68
27	149	75	64	73	65	71	67	71	68	76	64	73	66	72	67	72	68
28	150	86	69	80	67	76	67	74	68	92	69	84	68	79	67	74	68
29	151	85	70	82	70	76	70	74	70	87	70	83	70	79	70	75	70
30	152	90	72	86	73	79	72	77	72	93	72	88	73	84	73	79	72
31	153	87	69	83	70	80	72	77	73	93	69	88	71	83	73	78	73
Sums		2794	2126	2646	2153	2464	2205	2386	2219	2891	2120	2711	2159	2574	2198	2421	2220
Averages		90.1	68.6	85.4	69.5	79.5	71.1	77.0	71.6	93.3	68.4	87.5	69.6	83.0	70.9	78.1	71.6

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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	35		10
2	124	0	40		15
3	125	0	42		17
4	126	0	42		17
5	127	0	33		8
6	128	0	25		0
7	129	0	28		3
8	130	0	31		6
9	131	0	37		12
10	132	0	27		2
11	133	4	21		0
12	134	6	19		0
13	135	0	27		2
14	136	0	31		6
15	137	0	36		11
16	138	0	32		7
17	139	0	31		6
18	140	0	41		16
19	141	0	34		9
20	142	0	30		5
21	143	0	28		3
22	144	0	38		13
23	145	0	42		17
24	146	5	20		0
25	147	4	21		0
26	148	0	28		3
27	149	0	29		4
28	150	0	35		10
29	151	0	38		13
30	152	0	40		15
31	153	0	35		10
Sums for month		19	996		240
19	Accumulated heating degree days since July 1				
2512	Accumulated growing degree days since Jan. 1				
404	Accumulated cooling degree days since Apr. 1				