

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

1999

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	76	57	66	93	36	64	174	645	117	0	0	41	241
2	124	84	58	71	96	56	76	193	502	70	83	0	140	225
3	125	81	61	71	93	45	69	219	544	173	0	0	60	397
4	126	88	61	74	96	44	70	251	514	202	58	0	69	103
5	127	88	77	82	86	60	73	332	482	256	0	0	96	192
6	128	91	80	85	78	53	65	421	602	174	0	0	112	369
7	129	89	64	76	88	55	71	290	540	221	3	0	122	360
8	130	79	61	70	93	36	64	302	630	112	10	0	114	380
9	131	73	60	66	88	42	65	251	519	203	3	0	77	283
10	132	78	60	69	95	57	76	141	235	188	28	0	85	27
11	133	67	53	60	91	52	71	151	343	215	0	0	116	311
12	134	73	50	61	90	29	59	219	630	94	0	0	50	196
13	135	79	57	68	87	33	60	306	652	102	0	0	57	330
14	136	80	58	69	84	32	58	327	643	94	0	0	56	315
15	137	83	64	73	82	41	61	329	511	221	0	0	85	323
16	138	90	67	78	84	36	60	416	592	179	0	0	64	338
17	139	90	68	79	84	39	61	446	530	262	0	0	70	341
18	140	92	65	78	95	40	67	342	536	280	1	0	56	313
19	141	91	69	80	95	43	69	296	470	220	5	0	54	283
20	142	79	63	71	96	52	74	126	238	208	7	0	65	148
21	143	78	53	65	88	29	58	227	574	133	0	0	60	294
22	144	84	54	69	96	46	71	234	458	273	0	0	36	181
23	145	88	66	77	96	44	70	279	510	244	0	0	51	162
24	146	91	69	80	96	42	69	405	534	194	34	0	61	409
25	147	91	60	75	91	44	67	275	522	276	0	0	68	323
26	148	88	61	74	94	43	68	168	447	241	105	0	79	431
27	149	86	67	76	90	46	68	236	528	322	0	0	78	367
28	150	88	62	75	82	30	56	397	613	287	0	0	82	394
29	151	88	66	77	90	29	59	372	594	298	2	0	41	281
30	152	86	66	76	83	32	57	329	511	317	0	0	54	300
31	153	87	65	76	95	52	73	233	391	182	0	0	40	186
Sums		2606	1942	2267	2795	1318	2049	8687	16040	6358	339	0	2239	8803
Average		84.1	62.6	73.1	90.2	42.5	66.1	.280	517.4	205.1	.11	.0	72.2	.284

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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	80	64	77	64	71	65	70	66	83	62	79	62	75	64	71	65
2	124	78	67	76	67	72	66	70	67	83	67	78	66	75	66	71	66
3	125	80	67	78	68	74	68	72	68	83	66	80	67	77	68	73	68
4	126	84	70	80	69	75	69	75	73	87	69	82	68	80	68	75	68
5	127	84	73	81	72	76	71	74	70	88	72	83	72	80	71	76	70
6	128	87	73	84	73	78	72	75	71	91	73	86	73	81	73	77	71
7	129	85	68	83	69	77	71	76	71	89	66	84	68	82	70	78	71
8	130	82	66	79	67	75	68	74	69	86	64	83	66	78	68	76	69
9	131	80	66	77	67	72	68	72	68	81	65	78	66	77	67	74	67
10	132	74	66	72	67	71	68	71	68	74	65	74	66	72	67	71	67
11	133	71	60	71	62	70	64	70	65	72	58	71	60	71	62	71	64
12	134	77	61	75	62	70	64	69	65	83	59	79	62	74	63	71	64
13	135	78	63	76	64	72	65	70	66	86	63	80	63	75	64	70	65
14	136	82	64	78	66	74	66	71	66	88	65	84	66	79	66	72	66
15	137	80	67	77	67	73	68	72	68	86	67	82	68	77	69	73	68
16	138	84	69	81	68	75	69	73	68	91	70	88	69	81	69	75	69
17	139	85	70	83	71	77	71	74	70	92	71	88	72	83	72	76	71
18	140	88	71	84	72	78	72	76	71	92	72	88	73	82	73	77	72
19	141	88	73	84	73	78	73	76	72	92	74	89	74	84	74	77	73
20	142	80	67	77	68	75	70	74	70	82	66	79	68	78	69	77	70
21	143	83	66	81	67	76	69	74	70	88	66	86	67	81	69	76	70
22	144	84	67	79	67	76	69	73	69	88	67	83	67	79	69	75	69
23	145	86	70	83	71	77	70	74	70	93	71	88	72	83	72	77	71
24	146	89	72	85	72	79	72	76	71	94	73	90	73	84	73	79	72
25	147	86	68	84	70	78	72	76	72	90	68	86	70	83	72	78	72
26	148	85	68	81	69	77	70	74	70	90	66	85	68	79	70	75	70
27	149	82	70	80	70	76	70	74	70	85	69	83	70	80	70	75	70
28	150	84	67	83	68	77	70	75	70	89	65	85	67	81	70	76	70
29	151	84	69	82	69	76	70	75	70	92	68	87	68	83	70	77	70
30	152	85	69	82	70	78	71	76	71	91	69	87	71	83	72	78	72
31	153	82	69	81	70	77	71	75	71	89	69	84	70	80	72	77	71
Sums		2557	2100	2474	2119	2330	2142	2276	2146	2698	2085	2579	2112	2457	2142	2324	2141
Averages		82.5	67.7	79.8	68.4	75.2	69.1	73.4	69.2	87.0	67.3	83.2	68.1	79.3	69.1	75.0	69.1

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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	26		1
2	124	0	31		6
3	125	0	31		6
4	126	0	34		9
5	127	0	42		17
6	128	0	45		20
7	129	0	36		11
8	130	0	30		5
9	131	0	26		1
10	132	0	29		4
11	133	5	20		0
12	134	4	21		0
13	135	0	28		3
14	136	0	29		4
15	137	0	33		8
16	138	0	38		13
17	139	0	39		14
18	140	0	38		13
19	141	0	40		15
20	142	0	31		6
21	143	0	25		0
22	144	0	29		4
23	145	0	37		12
24	146	0	40		15
25	147	0	35		10
26	148	0	34		9
27	149	0	36		11
28	150	0	35		10
29	151	0	37		12
30	152	0	36		11
31	153	0	36		11
Sums for month		9	1027		261

9 Accumulated heating degree days since July 1  
 2680 Accumulated growing degree days since Jan. 1  
 976 Accumulated cooling degree days since Apr. 1