

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

2009

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	In Evap	
1	123	71	56	63	100	77	88	22	357	230	25	0	0	86
2	124	74	61	67	100	65	82	51	255	236	24	0	0	169
3	125	71	60	65	100	82	91	35	384	296	8	0	0	235
4	126	73	59	66	100	73	86	69	485	212	4	0	0	86
5	127	69	51	60	91	56	73	124	652	80	0	0	0	229
6	128	75	55	65	100	44	72	176	569	138	13	0	0	223
7	129	76	57	66	100	49	74	112	428	204	2	0	0	241
8	130	72	55	63	95	60	77	94	391	260	T	0	0	202
9	131	71	51	61	100	61	80	77	572	164	0	0	0	234
10	132	76	55	65	100	58	79	100	602	175	0	0	0	88
11	133	82	58	70	91	44	67	203	292	181	2	0	0	478
12	134	77	53	65	99	68	83	118	615	190	53	0	0	152
13	135	70	54	62	93	45	69	164	564	199	0	0	0	234
14	136	72	51	61	92	42	67	189	617	240	1	0	0	298
15	137	72	53	62	95	49	72	154	561	237	0	0	0	234
16	138	78	57	67	90	46	68	226	554	242	0	0	0	228
17	139	81	62	71	93	54	73	192	526	316	0	0	0	300
18	140	71	59	65	100	65	82	58	193	173	3	0	0	73
19	141	73	57	65	91	56	73	145	450	257	0	0	0	216
20	142	74	54	64	100	60	80	82	399	352	0	0	0	134
21	143	77	58	67	100	48	74	132	522	361	0	0	0	187
22	144	78	59	68	100	67	83	50	336	312	11	0	0	0
23	145	80	62	71	100	58	79	78	471	188	58	0	0	293
24	146	78	65	71	100	76	88	79	278	247	8	0	0	189
25	147	77	58	67	100	64	82	58	398	216	2	0	0	218
26	148	80	62	71	100	59	79	119	424	278	2	0	0	217
27	149	82	62	72	100	56	78	68	441	224	83	0	0	365
28	150	79	60	69	100	59	79	125	433	276	0	0	0	228
29	151	85	64	74	97	55	76	165	471	253	0	0	0	222
30	152	80	60	70	100	73	86	42	247	200	29	0	0	237
31	153	79	63	71	100	52	76	149	503	257	33	0	0	140
Sums		2353	1791	2064	3027	1821	2416	3456	13990	7194	361	0	0	6436
Average		75.9	57.8	66.6	97.6	58.7	77.9	.111	451.3	232.1	.12	.0	.0	.208

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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	57	73	59	68	63	67	64	75	58	72	60	69	62	68	64
2	124	83	63	77	64	69	64	67	64	80	64	74	64	70	64	67	64
3	125	75	60	72	62	68	64	67	65	74	61	71	62	69	64	67	65
4	126	79	59	74	61	68	64	66	64	78	60	73	62	70	63	66	64
5	127	76	52	72	55	67	61	66	63	78	53	74	57	70	60	66	62
6	128	91	58	83	60	71	61	67	63	91	60	83	61	75	61	68	62
7	129	87	61	80	63	71	65	68	66	87	63	80	64	75	65	69	66
8	130	87	58	80	61	71	65	69	66	86	59	79	62	74	65	70	66
9	131	81	55	75	58	69	63	67	64	80	56	75	59	71	62	67	64
10	132	94	58	84	61	72	64	68	64	92	60	83	63	76	63	69	64
11	133	95	65	86	66	74	66	71	66	92	66	85	66	78	66	71	66
12	134	77	53	74	57	70	63	70	66	76	54	73	59	71	62	70	65
13	135	81	55	77	59	70	63	67	65	85	57	79	61	74	63	69	65
14	136	87	54	80	57	71	63	68	65	86	55	78	59	74	62	69	64
15	137	89	56	82	59	71	63	68	65	87	57	80	60	75	63	69	64
16	138	92	65	84	65	73	64	70	65	91	66	82	64	77	64	70	65
17	139	94	63	87	65	76	69	72	68	93	64	86	67	80	69	73	69
18	140	74	61	72	63	70	66	70	67	74	62	72	64	71	66	70	66
19	141	87	59	80	62	72	66	70	67	84	60	79	63	75	65	71	66
20	142	85	58	78	61	71	65	68	66	84	60	78	62	74	64	69	66
21	143	94	63	85	65	74	66	70	66	93	64	85	65	78	66	71	66
22	144	92	63	82	65	73	67	71	68	90	64	82	66	77	67	71	68
23	145	93	67	84	68	74	68	71	67	92	68	84	68	78	68	72	68
24	146	78	66	74	66	70	68	70	68	76	66	73	67	71	68	70	68
25	147	85	60	80	63	71	66	70	67	87	61	80	64	74	66	70	67
26	148	86	65	78	66	72	66	71	66	87	66	80	66	75	67	71	66
27	149	91	63	82	65	73	68	71	68	90	64	82	66	76	68	71	68
28	150	81	61	76	63	70	67	69	67	82	62	77	64	73	66	69	68
29	151	90	65	81	66	73	67	71	66	92	66	83	67	77	67	72	67
30	152	82	62	76	65	72	68	70	69	82	63	76	66	73	68	71	69
31	153	87	67	82	68	72	68	71	68	88	67	82	67	76	68	72	68
Sums		2649	1872	2450	1938	2206	2021	2141	2043	2632	1906	2440	1965	2296	2012	2158	2040
Averages		85.5	60.4	79.0	62.5	71.2	65.2	69.1	65.9	84.9	61.5	78.7	63.4	74.1	64.9	69.6	65.8

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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	2	23		0
2	124	0	27		2
3	125	0	25		0
4	126	0	26		1
5	127	5	20		0
6	128	0	25		0
7	129	0	26		1
8	130	2	23		0
9	131	4	21		0
10	132	0	25		0
11	133	0	30		5
12	134	0	25		0
13	135	3	22		0
14	136	4	21		0
15	137	3	22		0
16	138	0	27		2
17	139	0	31		6
18	140	0	25		0
19	141	0	25		0
20	142	1	24		0
21	143	0	27		2
22	144	0	28		3
23	145	0	31		6
24	146	0	31		6
25	147	0	27		2
26	148	0	31		6
27	149	0	32		7
28	150	0	29		4
29	151	0	34		9
30	152	0	30		5
31	153	0	31		6
Sums for month		24	824		73

24 Accumulated heating degree days since July 1
 2334 Accumulated growing degree days since Jan. 1
 143 Accumulated cooling degree days since Apr. 1