

## 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

2011

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	88	37	62	2	653	206	0	0	133	338
2	124	79	55	67	100	47	73	2	639	198	0	0	18	318
3	125	86	64	75	98	46	72	2	533	249	0	0	66	373
4	126	86	65	75	88	41	64	2	558	223	0	0	90	248
5	127	83	62	72	83	30	56	3	638	195	0	0	90	350
6	128	84	65	74	87	41	64	3	592	211	0	0	55	307
7	129	87	63	75	100	51	75	2	484	277	0	0	65	270
8	130	79	60	69	100	52	76	2	506	312	0	0	51	290
9	131	81	61	71	99	60	79	1	385	336	0	0	58	211
10	132	78	58	68	97	45	71	2	605	150	0	0	72	348
11	133	87	65	76	96	46	71	25	505	252	0	0	53	210
12	134	91	72	81	94	48	71	3	419	246	0	0	100	317
13	135	88	66	77	86	43	64	3	551	211	0	0	109	379
14	136	78	57	67	100	53	76	1	551	203	T	0	114	321
15	137	79	53	66	96	39	67	2	621	89	0	0	70	312
16	138	83	56	69	98	38	68	2	616	75	0	0	50	416
17	139	89	64	76	94	36	65	4	602	115	0	0	63	236
18	140	91	74	82	96	43	69	5	547	122	0	0	87	369
19	141	88	68	78	100	63	81	1	361	201	23	0	66	199
20	142	84	64	74	100	64	82	1	494	237	0	0	44	238
21	143	92	70	81	90	45	67	3	553	186	0	0	56	294
22	144	99	74	86	88	47	67	5	562	141	0	0	127	246
23	145	95	73	84	87	39	63	4	583	104	0	0	62	433
24	146	92	70	81	100	50	75	2	487	216	9	0	88	382
25	147	84	62	73	95	54	74	2	523	204	0	0	58	280
26	148	82	63	72	100	67	83	1	303	228	3	0	64	123
27	149	81	62	71	97	53	75	2	439	226	24	0	103	235
28	150	81	61	71	99	51	75	1	502	170	0	0	72	366
29	151	76	67	71	100	71	85	1	145	142	0	0	49	101
30	152	84	66	75	100	77	88	1	292	196	13	0	95	181
31	153	84	60	72	98	49	73	2	588	85	0	0	73	313
Sums		2627	1977	2295	2954	1526	2231	92	15837	6006	72	0	2301	9004
Average		84.7	63.8	74.0	95.3	49.2	72.0	0.003	510.9	193.7	0.02	0.0	74.2	0.290

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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	79	62	74	63	68	65	69	65	91	59	84	63	76	65	69	65
2	124	80	63	74	64	69	66	70	65	95	61	88	64	79	66	70	66
3	125	79	69	74	68	71	67	71	66	95	71	87	70	79	69	72	68
4	126	83	67	77	67	72	70	72	68	96	66	89	69	82	71	74	71
5	127	84	66	78	67	73	70	73	69	98	65	91	68	83	71	74	71
6	128	85	68	79	68	73	71	73	70	100	69	91	71	83	71	74	71
7	129	83	69	78	70	74	71	73	71	96	69	89	71	82	73	75	72
8	130	82	69	78	69	74	72	74	71	97	68	90	71	82	73	76	72
9	131	80	68	76	70	73	72	74	70	92	67	85	69	79	71	74	72
10	132	86	67	80	69	74	72	74	71	98	66	91	70	83	72	75	72
11	133	86	71	80	71	75	71	75	71	101	73	91	73	83	72	76	76
12	134	86	73	80	73	76	73	76	72	99	74	90	75	83	75	77	73
13	135	87	71	81	72	77	74	76	73	100	71	92	73	85	75	78	75
14	136	87	69	81	70	77	73	76	74	96	66	90	69	84	72	78	74
15	137	89	66	82	68	76	72	75	72	99	63	92	67	84	71	76	73
16	138	90	67	82	69	75	72	75	71	101	66	93	69	84	72	76	72
17	139	92	70	84	72	76	73	76	72	104	70	95	73	86	74	78	73
18	140	92	73	85	74	78	74	77	73	103	75	95	77	87	76	79	75
19	141	87	73	81	73	77	75	77	73	95	71	88	73	82	75	77	75
20	142	89	70	83	72	77	74	76	73	97	69	90	72	83	74	76	74
21	143	90	73	84	73	77	74	77	73	101	74	94	76	86	75	78	74
22	144	93	75	86	76	81	76	80	75	105	77	97	79	89	78	82	76
23	145	97	77	90	78	82	79	81	77	107	79	0	80	92	81	83	79
24	146	94	77	88	78	82	80	82	78	104	76	97	78	90	80	84	80
25	147	94	72	88	74	81	78	80	78	103	72	97	75	89	78	82	79
26	148	85	69	80	71	79	74	79	75	90	67	85	71	80	73	79	74
27	149	85	68	81	70	76	73	76	74	91	67	83	69	80	72	76	74
28	150	87	69	82	71	76	73	76	72	86	69	90	72	83	72	77	73
29	151	77	71	75	72	75	73	75	73	80	71	76	72	77	73	75	75
30	152	82	68	77	70	74	72	73	71	86	66	80	68	76	71	73	73
31	153	89	68	83	69	75	71	75	71	98	67	92	70	83	71	76	71
Sums		2679	2158	2501	2191	2343	2250	2336	2227	3004	2144	2692	2217	2574	2262	2369	2268
Averages		86.4	69.6	80.7	70.7	75.6	72.6	75.4	71.8	96.9	69.2	86.8	71.5	83.0	73.0	76.4	73.2

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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	27		2
3	125	0	35		10
4	126	0	35		10
5	127	0	32		7
6	128	0	34		9
7	129	0	35		10
8	130	0	29		4
9	131	0	31		6
10	132	0	28		3
11	133	0	36		11
12	134	0	41		16
13	135	0	37		12
14	136	0	27		2
15	137	0	26		1
16	138	0	29		4
17	139	0	36		11
18	140	0	42		17
19	141	0	38		13
20	142	0	34		9
21	143	0	41		16
22	144	0	46		21
23	145	0	44		19
24	146	0	41		16
25	147	0	33		8
26	148	0	32		7
27	149	0	31		6
28	150	0	31		6
29	151	0	31		6
30	152	0	35		10
31	153	0	32		7
Sums for month		0	1055		280

0 Accumulated heating degree days since July 1  
2695 Accumulated growing degree days since Jan. 1  
442 Accumulated cooling degree days since Apr. 1