

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

2012

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	88	67	77	NA	NA	NA	8	541	190	0	0	101	384
2	124	84	62	73	NA	NA	NA	7	610	95	0	0	92	221
3	125	83	61	72	NA	NA	NA	7	587	120	0	0	86	325
4	126	89	66	77	NA	NA	NA	8	458	196	0	0	65	108
5	127	92	67	79	NA	NA	NA	8	544	189	0	0	89	0
6	128	83	60	71	NA	NA	NA	6	604	171	0	0	64	310
7	129	92	68	80	NA	NA	NA	8	543	248	0	0	77	375
8	130	80	66	73	NA	NA	NA	6	283	226	24	0	68	201
9	131	82	61	71	NA	NA	NA	6	560	250	0	0	72	160
10	132	79	57	68	NA	NA	NA	6	620	146	0	0	60	357
11	133	82	56	69	NA	NA	NA	0	424	97	0	0	72	320
12	134	85	57	71	NA	NA	NA	0	624	171	0	0	51	340
13	135	90	62	76	NA	NA	NA	0	541	228	0	0	51	311
14	136	91	67	79	NA	NA	NA	0	493	318	0	0	62	433
15	137	89	72	80	NA	NA	NA	0	558	270	1	0	74	257
16	138	83	69	76	NA	NA	NA	0	284	273	34	0	52	133
17	139	86	70	78	NA	NA	NA	0	483	320	0	0	79	322
18	140	94	72	83	NA	NA	NA	0	529	341	0	0	116	438
19	141	82	60	71	100	50	75	2	374	346	0	0	68	232
20	142	80	58	69	99	47	73	2	343	290	5	0	67	254
21	143	68	58	63	100	79	89	0	151	139	12	0	25	63
22	144	82	62	72	97	44	70	2	516	380	0	0	65	396
23	145	87	66	76	100	42	71	23	438	317	16	0	60	143
24	146	92	73	82	97	40	68	4	532	386	0	0	106	348
25	147	83	59	71	90	42	66	3	442	371	0	0	117	375
26	148	83	63	73	100	38	69	27	481	358	98	0	60	253
27	149	81	65	73	100	68	84	9	224	201	52	0	63	171
28	150	78	62	70	100	58	79	1	338	312	26	0	49	208
29	151	78	63	70	100	62	81	1	386	385	12	0	72	67
30	152	82	57	69	98	32	65	2	589	490	0	0	58	280
31	153	85	63	74	98	43	70	2	443	349	0	0	46	206
Sums		2613	1969	2286	1279	645	960	148	14543	8173	280	0	2187	7991
Average		84.3	63.5	73.7	98.4	49.6	73.9	0.114	469.1	263.6	0.09	0.0	70.5	0.258

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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	94	69	87	70	78	73	76	72	98	70	92	72	85	74	77	73
2	124	97	70	90	72	80	74	77	74	100	70	93	72	86	75	78	74
3	125	96	68	90	70	80	74	78	74	99	68	92	70	86	73	79	75
4	126	95	71	88	72	80	74	78	73	99	71	92	73	85	75	79	74
5	127	99	71	91	73	82	75	79	74	102	72	95	74	87	96	80	75
6	128	99	69	91	71	82	75	79	76	101	69	95	72	88	74	80	76
7	129	101	72	93	74	82	76	80	75	104	73	97	75	88	77	81	76
8	130	89	69	83	70	78	73	79	74	89	68	84	70	80	72	78	74
9	131	93	69	87	70	78	73	77	73	97	69	91	71	84	73	78	73
10	132	97	65	89	67	80	72	78	73	100	65	93	68	86	71	78	72
11	133	102	0	96	0	89	0	86	0	105	0	101	0	95	0	88	0
12	134	105	73	97	73	91	75	88	76	107	73	102	73	96	74	90	76
13	135	106	75	97	75	92	77	88	78	108	76	103	75	96	77	90	77
14	136	106	77	97	77	90	79	87	79	109	77	103	78	95	78	89	80
15	137	107	79	99	78	91	80	88	80	110	79	104	79	97	80	90	80
16	138	92	73	87	75	85	78	84	78	92	73	89	75	87	76	85	77
17	139	97	75	93	76	88	79	86	79	103	76	98	78	93	79	88	79
18	140	105	77	99	77	92	79	88	79	110	78	105	79	98	79	91	79
19	141	97	68	91	70	88	75	86	76	99	68	97	71	92	74	87	76
20	142	95	69	89	70	84	74	82	75	97	68	92	71	87	73	82	75
21	143	76	64	75	66	75	70	75	71	76	64	76	66	75	68	75	70
22	144	97	68	90	68	84	69	82	71	100	68	95	67	88	68	83	70
23	145	100	72	93	72	85	74	82	74	103	72	96	72	89	74	83	74
24	146	104	72	98	74	90	77	87	77	108	93	104	75	97	77	89	77
25	147	96	66	91	68	87	73	84	74	98	66	95	68	90	71	85	74
26	148	104	69	97	71	91	74	87	75	105	70	101	70	95	72	89	74
27	149	85	71	83	72	79	74	79	74	85	71	83	72	81	73	79	74
28	150	86	68	83	70	81	72	79	73	87	68	84	69	82	71	80	73
29	151	90	67	84	68	80	71	78	72	90	66	86	68	82	70	79	71
30	152	91	66	87	68	83	71	81	72	99	66	96	68	89	70	83	72
31	153	92	69	86	69	83	71	81	72	98	69	92	69	88	71	83	72
Sums		2993	2111	2801	2146	2608	2231	2539	2243	3078	2136	2926	2160	2747	2235	2576	2242
Averages		96.5	68.1	90.4	69.2	84.1	72.0	81.9	72.4	99.3	68.9	94.4	69.7	88.6	72.1	83.1	72.3

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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	37		12
2	124	0	33		8
3	125	0	32		7
4	126	0	37		12
5	127	0	39		14
6	128	0	31		6
7	129	0	40		15
8	130	0	33		8
9	131	0	31		6
10	132	0	28		3
11	133	0	29		4
12	134	0	31		6
13	135	0	36		11
14	136	0	39		14
15	137	0	40		15
16	138	0	36		11
17	139	0	38		13
18	140	0	43		18
19	141	0	31		6
20	142	0	29		4
21	143	2	23		0
22	144	0	32		7
23	145	0	36		11
24	146	0	42		17
25	147	0	31		6
26	148	0	33		8
27	149	0	33		8
28	150	0	30		5
29	151	0	30		5
30	152	0	29		4
31	153	0	34		9
Sums for month		2	1046		273

2 Accumulated heating degree days since July 1  
 2949 Accumulated growing degree days since Jan. 1  
 460 Accumulated cooling degree days since Apr. 1