

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

2010

Mo. Day	Cl. Day	Air Temp. F			Rel. Hum. Pct			VPD Thou In/Hg	Solar Rad		PPT Hund Ins	Snow Tnth Ins	Mi.Wind 1.5 Ft	Pan Thou In Evap
		Max	Min	Avg	Max	Min	Avg		Gm Cal/Cm2 Total	Diff				
1	123	68	53	60	88	46	67	156	555	169	0	0	0	268
2	124	69	53	61	90	47	68	168	557	152	0	0	0	269
3	125	75	53	64	98	45	71	164	646	104	0	0	0	171
4	126	86	58	72	100	41	70	246	645	64	0	0	0	171
5	127	87	62	74	100	43	71	255	635	125	0	0	0	339
6	128	91	68	79	98	55	76	257	589	176	0	0	0	248
7	129	92	70	81	97	50	73	272	550	227	0	0	0	312
8	130	92	70	81	100	48	74	261	575	149	0	0	0	295
9	131	93	72	82	100	48	74	247	581	185	0	0	0	271
10	132	88	66	77	100	71	85	50	305	225	110	0	0	277
11	133	80	62	71	100	53	76	139	605	188	0	0	0	268
12	134	83	64	73	95	38	66	243	588	245	0	0	0	233
13	135	86	67	76	99	49	74	173	475	248	0	0	0	214
14	136	83	66	74	100	75	87	48	343	232	175	0	0	263
15	137	80	63	71	100	77	88	50	416	328	0	0	0	177
16	138	85	68	76	98	61	79	179	519	317	0	0	0	247
17	139	83	68	75	98	57	77	201	394	246	8	0	0	295
18	140	88	67	77	93	48	70	246	568	135	2	0	0	330
19	141	82	67	74	100	58	79	167	495	189	4	0	0	223
20	142	81	65	73	100	73	86	96	393	204	2	0	0	220
21	143	82	64	73	100	45	72	144	507	215	0	0	0	152
22	144	83	65	74	99	66	82	96	476	186	35	0	0	245
23	145	80	65	72	100	63	81	106	449	188	31	0	0	250
24	146	84	65	74	100	85	92	69	198	173	107	0	0	106
25	147	85	69	77	100	74	87	70	350	241	35	0	0	272
26	148	76	62	69	97	67	82	87	376	270	2	0	0	91
27	149	79	61	70	100	55	77	153	558	278	0	0	0	186
28	150	85	60	72	100	49	74	149	573	298	0	0	0	207
29	151	86	60	73	100	61	80	143	425	249	5	0	0	312
30	152	74	58	66	97	53	75	122	545	363	0	0	0	263
31	153	74	55	64	100	52	76	97	484	184	0	0	0	219
Sums		2560	1966	2255	3047	1753	2389	4854	15375	6553	516	0	0	7394
Average		82.6	63.4	72.7	98.3	56.5	77.1	0.157	496.0	211.4	0.17	0.0	0.0	0.239

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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	86	56	79	59	71	64	68	65	82	57	77	60	73	63	69	65
2	124	88	56	81	60	71	64	68	65	84	57	78	60	73	63	69	65
3	125	92	57	84	60	73	64	69	65	90	59	84	62	77	64	70	65
4	126	98	61	88	64	75	67	71	67	95	64	88	67	80	67	72	67
5	127	99	64	90	67	79	70	74	70	97	67	90	69	83	70	76	70
6	128	101	68	92	70	80	71	75	71	100	70	93	72	85	72	77	72
7	129	104	70	93	71	84	74	77	73	102	72	94	74	86	75	78	74
8	130	103	72	94	73	83	75	78	75	103	74	96	76	88	76	80	76
9	131	105	74	95	75	84	77	79	76	106	76	98	78	90	78	81	77
10	132	97	68	90	70	82	74	79	75	96	69	91	71	85	73	80	75
11	133	90	62	85	66	78	70	76	72	89	64	85	67	81	70	76	72
12	134	95	65	86	68	78	71	75	72	96	67	89	70	83	71	76	72
13	135	96	68	87	70	79	73	77	73	94	69	88	71	82	73	77	73
14	136	96	68	86	69	79	72	76	72	93	69	86	70	81	72	76	72
15	137	86	64	80	66	74	69	72	70	84	65	80	67	77	69	73	70
16	138	93	68	84	69	76	70	74	70	93	71	86	71	80	71	75	70
17	139	84	65	80	67	75	71	73	71	86	67	82	69	78	71	74	72
18	140	97	66	87	69	79	71	76	71	95	68	89	71	83	72	76	72
19	141	95	69	86	71	79	73	76	73	94	71	88	73	83	73	77	74
20	142	91	67	83	69	77	72	75	73	89	68	85	70	80	72	76	73
21	143	96	67	87	70	79	73	75	73	95	69	89	72	83	73	77	73
22	144	98	63	87	67	80	71	77	72	96	65	88	67	83	70	78	72
23	145	89	66	82	68	76	71	74	72	88	67	83	69	78	71	74	72
24	146	84	69	78	69	73	71	73	70	82	69	78	70	74	71	73	71
25	147	87	69	81	71	75	71	73	71	85	70	81	71	77	72	74	71
26	148	84	61	78	65	73	68	73	70	81	62	78	65	75	67	73	69
27	149	87	62	80	65	74	68	72	69	88	63	83	66	78	68	73	69
28	150	94	63	83	66	76	69	74	70	95	65	88	68	81	69	74	70
29	151	92	67	82	70	77	72	75	72	92	68	86	70	80	72	75	72
30	152	92	62	82	66	77	70	74	72	90	63	85	66	80	69	75	71
31	153	88	60	78	63	75	68	72	70	89	62	83	65	78	68	73	70
Sums		2887	2017	2628	2093	2391	2184	2300	2200	2849	2067	2669	2137	2495	2185	2327	2206
Averages		93.1	65.1	84.8	67.5	77.1	70.5	74.2	71.0	91.9	66.7	86.1	68.9	80.5	70.5	75.1	71.2

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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	5	20		0
2	124	4	21		0
3	125	1	24		0
4	126	0	32		7
5	127	0	34		9
6	128	0	39		14
7	129	0	41		16
8	130	0	41		16
9	131	0	42		17
10	132	0	37		12
11	133	0	31		6
12	134	0	33		8
13	135	0	36		11
14	136	0	34		9
15	137	0	31		6
16	138	0	36		11
17	139	0	35		10
18	140	0	37		12
19	141	0	34		9
20	142	0	33		8
21	143	0	33		8
22	144	0	34		9
23	145	0	32		7
24	146	0	34		9
25	147	0	37		12
26	148	0	29		4
27	149	0	30		5
28	150	0	32		7
29	151	0	33		8
30	152	0	26		1
31	153	1	24		0
Sums for month		11	1015		251

11 Accumulated heating degree days since July 1

2856 Accumulated growing degree days since Jan. 1

444 Accumulated cooling degree days since Apr. 1