

## 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

August

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	154	76	58	67	100	68	84	49	299	262	8	0	0	164
2	155	82	64	73	100	45	72	159	443	301	23	0	0	212
3	156	82	56	69	100	71	85	71	283	251	25	0	0	142
4	157	79	61	70	96	50	73	175	516	345	0	0	0	213
5	158	84	61	72	99	57	78	162	505	346	T	0	0	276
6	159	73	55	64	98	52	75	117	545	437	0	0	0	260
7	160	74	57	65	96	52	74	142	517	386	0	0	0	220
8	161	72	51	61	100	54	77	112	535	441	0	0	0	246
9	162	75	57	66	100	51	75	136	360	318	14	0	0	155
10	163	79	57	68	100	51	75	136	165	144	75	0	0	75
11	164	86	65	75	100	81	90	21	396	302	63	0	0	306
12	165	82	62	72	100	77	88	51	517	474	1	0	0	161
13	166	80	64	72	100	60	80	101	427	399	0	0	0	254
14	167	82	59	70	100	67	83	73	561	518	0	0	0	233
15	168	84	62	73	100	61	80	98	583	541	0	0	0	251
16	169	85	66	75	100	44	72	172	366	361	0	0	0	148
17	170	87	65	76	100	68	84	100	468	454	0	0	0	190
18	171	91	69	80	100	54	77	120	480	461	0	0	0	247
19	172	87	66	76	97	51	74	210	332	325	5	0	0	176
20	173	81	62	71	100	64	82	105	451	432	0	0	0	195
21	174	85	68	76	100	59	79	103	387	378	23	0	0	256
22	175	77	63	70	100	72	86	108	214	207	11	0	0	210
23	176	83	64	73	100	82	91	29	462	448	1	0	0	216
24	177	76	61	68	100	57	78	108	240	236	37	0	0	14
25	178	74	57	65	100	79	89	18	416	399	0	0	0	158
26	179	80	58	69	100	71	85	52	509	472	0	0	0	73
27	180	74	51	62	100	53	76	108	188	181	10	0	0	225
28	181	70	52	61	100	75	87	35	404	388	0	0	0	176
29	182	69	54	61	100	56	78	93	246	243	7	0	0	108
30	183	75	56	65	100	65	82	55	235	225	18	0	0	214
31	184	66	50	58	100	67	83	64	161	156	7	0	0	76
Sums		2450	1851	2143	3086	1914	2492	3083	12211	10831	328	0	0	5850
Average		79.0	59.7	69.1	99.5	61.7	80.4	.099	393.9	349.4	.11	.0	.0	.189

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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	185	80	60	76	62	71	66	70	67	80	61	76	63	72	66	70	67
2	186	86	66	80	68	72	67	71	67	88	67	81	66	76	67	71	67
3	187	81	58	76	61	71	66	70	67	80	59	75	62	72	65	70	67
4	188	83	63	79	64	71	66	70	67	87	64	80	65	75	66	70	67
5	189	90	64	83	66	74	68	72	67	90	66	83	68	77	68	73	68
6	190	91	60	84	63	74	68	72	70	91	61	84	65	78	66	73	69
7	191	89	60	82	63	74	68	71	69	88	61	81	64	77	67	72	69
8	192	90	58	84	62	74	67	72	68	89	59	83	63	77	66	72	68
9	193	88	67	81	66	73	68	72	68	86	66	80	66	75	67	72	68
10	194	81	67	76	68	71	69	70	69	80	67	75	68	72	69	70	69
11	195	88	66	82	67	73	69	72	68	86	66	80	68	75	69	72	69
12	196	87	64	83	66	74	70	72	70	89	65	83	68	76	70	72	70
13	197	91	65	84	67	75	70	73	69	93	66	84	68	78	70	74	70
14	198	94	63	87	66	76	70	74	70	94	65	87	68	80	70	75	70
15	199	97	67	90	69	78	71	75	71	97	68	89	70	82	71	75	71
16	200	91	69	86	70	77	73	75	72	91	70	85	72	81	73	76	73
17	201	97	69	90	70	79	73	76	73	96	70	89	72	83	74	77	73
18	202	100	71	93	72	81	75	78	74	99	72	91	74	85	75	79	74
19	203	97	69	90	71	79	74	77	74	95	70	88	72	82	73	78	74
20	204	94	68	89	70	78	74	76	74	94	70	87	72	82	73	76	74
21	205	96	70	89	72	79	74	77	74	94	71	86	73	81	74	78	74
22	206	82	65	79	67	75	71	75	71	81	66	78	68	76	70	75	71
23	207	88	66	83	68	76	71	75	71	91	67	84	69	79	71	75	71
24	208	86	64	80	65	74	69	73	70	85	64	79	67	76	68	73	70
25	209	83	60	79	63	73	68	71	69	83	62	78	65	75	67	72	69
26	210	92	63	85	65	74	68	72	69	92	64	85	67	78	68	72	69
27	211	76	55	72	58	71	65	71	67	75	57	72	60	71	63	71	66
28	212	83	60	77	62	71	65	70	66	82	61	77	62	73	64	70	66
29	213	82	64	76	64	70	66	70	66	80	64	75	64	72	66	69	67
30	214	79	57	74	60	69	64	68	66	76	58	72	61	70	63	68	65
31	215	70	55	67	57	66	62	66	64	68	55	67	58	66	61	66	63
Sums		2712	1973	2536	2032	2293	2135	2246	2147	2700	2002	2514	2068	2372	2120	2256	2148
Averages		87.5	63.6	81.8	65.5	74.0	68.9	72.5	69.3	87.1	64.6	81.1	66.7	76.5	68.4	72.8	69.3

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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	185	0	27		2
2	186	0	33		8
3	187	0	29		4
4	188	0	30		5
5	189	0	32		7
6	190	1	24		0
7	191	0	25		0
8	192	4	21		0
9	193	0	26		1
10	194	0	28		3
11	195	0	35		10
12	196	0	32		7
13	197	0	32		7
14	198	0	30		5
15	199	0	33		8
16	200	0	35		10
17	201	0	36		11
18	202	0	40		15
19	203	0	36		11
20	204	0	31		6
21	205	0	36		11
22	206	0	30		5
23	207	0	33		8
24	208	0	28		3
25	209	0	25		0
26	210	0	29		4
27	211	3	22		0
28	212	4	21		0
29	213	4	21		0
30	214	0	25		0
31	215	7	18		0
Sums for month		23	903		151

47 Accumulated heating degree days since July 1

3237 Accumulated growing degree days since Jan. 1

294 Accumulated cooling degree days since Apr. 1