

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

2007

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		Total	Diff				
1	123	75	50	62	99	41	70	149	497	227	7	0	83	259
2	124	66	49	57	93	45	69	154	617	252	0	0	110	181
3	125	70	50	60	85	41	63	207	630	152	0	0	86	298
4	126	78	56	67	86	33	59	286	517	236	0	0	56	272
5	127	67	62	64	100	86	93	16	132	111	20	0	52	3
6	128	79	63	71	100	56	78	101	388	191	11	0	41	156
7	129	80	61	70	96	45	70	178	567	182	0	0	88	409
8	130	84	65	74	64	40	52	418	612	181	0	0	98	294
9	131	86	69	77	95	49	72	264	361	236	2	0	77	187
10	132	95	69	82	98	49	73	273	579	201	0	0	84	366
11	133	93	73	83	79	41	60	437	459	268	0	0	58	304
12	134	85	55	70	98	63	80	151	305	218	22	0	90	213
13	135	78	56	67	98	34	66	203	577	175	13	0	140	211
14	136	76	54	65	95	44	69	168	600	164	0	0	28	341
15	137	80	60	70	100	36	68	177	435	221	10	0	67	224
16	138	78	52	65	98	44	71	160	606	166	0	0	82	300
17	139	77	55	66	97	47	72	151	452	203	0	0	52	193
18	140	81	59	70	100	41	70	180	321	179	38	0	50	200
19	141	78	63	70	100	70	85	76	338	265	34	0	31	189
20	142	74	59	66	100	81	90	32	223	189	57	0	69	165
21	143	71	56	63	98	54	76	113	517	357	3	0	132	281
22	144	75	52	63	96	41	68	187	628	94	0	0	78	288
23	145	79	55	67	97	36	66	221	611	137	0	0	82	247
24	146	74	57	65	100	58	79	71	239	203	40	0	45	99
25	147	75	59	67	100	64	82	77	388	253	0	0	48	150
26	148	83	63	73	98	47	72	204	588	234	0	0	30	269
27	149	85	64	74	97	51	74	227	525	236	T	0	72	274
28	150	80	61	70	100	62	81	72	295	247	5	0	61	141
29	151	82	64	73	100	59	79	115	469	313	0	0	48	211
30	152	81	59	70	100	54	77	133	454	274	0	0	51	195
31	153	82	60	71	91	44	67	247	611	277	0	0	62	290
Sums		2447	1830	2132	2958	1556	2251	5448	14541	6642	262	0	2151	7210
Average		78.9	59.0	68.8	95.4	50.2	72.6	.176	469.1	214.3	.08	.0	69.4	.233
Average		43.9	28.8	36.1	90.9	54.9	72.6	.060	247.1	150.1	.05	.5	.0	.000

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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	92	58	85	61	78	67	75	69	91	58	84	62	80	66	76	69
2	124	86	57	81	61	74	66	72	68	85	58	80	62	77	65	73	67
3	125	90	59	85	61	75	67	72	68	90	60	84	63	78	66	73	67
4	126	90	64	85	66	75	68	72	68	91	65	85	67	80	67	75	68
5	127	71	63	69	64	70	66	70	67	70	63	70	65	70	66	71	66
6	128	82	62	78	63	70	66	69	66	82	62	79	64	73	66	70	66
7	129	88	61	83	63	74	67	71	67	87	62	83	65	78	67	73	67
8	130	95	65	89	67	78	68	74	69	96	66	88	68	84	68	75	68
9	131	88	69	82	70	76	71	73	71	89	70	82	71	78	71	76	71
10	132	101	72	95	73	83	72	77	72	103	73	95	74	88	73	81	72
11	133	99	75	92	75	82	75	79	75	100	75	92	76	88	76	80	75
12	134	90	57	86	60	79	67	77	70	91	58	86	62	82	66	79	69
13	135	89	59	85	61	76	67	73	69	90	60	84	63	81	66	76	68
14	136	89	59	85	62	76	67	73	69	90	60	85	63	79	66	74	68
15	137	90	65	84	66	76	68	73	69	90	65	83	67	80	68	75	69
16	138	92	60	88	63	78	68	74	70	93	61	86	64	82	67	76	69
17	139	88	61	83	63	76	68	73	69	89	62	83	64	79	67	74	69
18	140	87	66	83	67	76	69	73	69	88	67	82	68	78	69	75	69
19	141	84	64	79	66	74	69	72	69	84	65	79	67	76	68	73	69
20	142	80	61	76	63	72	67	70	68	79	61	77	64	74	66	72	68
21	143	77	57	74	59	70	64	69	66	76	57	74	60	73	63	71	65
22	144	89	57	83	59	74	64	71	65	89	58	83	62	78	64	72	65
23	145	95	62	87	64	76	66	72	67	95	63	87	65	80	66	74	67
24	146	83	61	78	63	72	66	71	67	82	61	79	63	74	65	72	66
25	147	82	60	78	62	71	66	68	66	82	61	77	63	73	65	69	66
26	148	89	65	85	66	74	66	71	66	90	65	85	66	78	66	74	66
27	149	95	68	89	69	78	70	75	70	95	68	89	70	83	70	77	70
28	150	88	64	84	66	76	69	74	70	89	65	83	67	79	69	76	70
29	151	93	68	87	69	77	70	74	70	94	69	87	69	82	70	76	70
30	152	94	65	87	67	78	71	75	71	93	66	86	68	82	70	77	72
31	153	100	66	92	68	80	71	76	71	101	66	91	69	84	71	78	71
Sums		2756	1950	2597	2007	2344	2106	2258	2131	2764	1970	2588	2041	2451	2093	2313	2122
Averages		88.9	62.9	83.8	64.7	75.6	67.9	72.8	68.7	89.2	63.5	83.5	65.8	79.1	67.5	74.6	68.5

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MO. Day	Cl. Day	Heating Degrees Base 65F	Growing Degrees Base 40F	Cooling Degrees Base 65F
1	123	3	22	0
2	124	8	17	0
3	125	5	20	0
4	126	0	27	2
5	127	1	24	0
6	128	0	31	6
7	129	0	30	5
8	130	0	34	9
9	131	0	37	12
10	132	0	42	17
11	133	0	43	18
12	134	0	30	5
13	135	0	27	2
14	136	0	25	0
15	137	0	30	5
16	138	0	25	0
17	139	0	26	1
18	140	0	30	5
19	141	0	30	5
20	142	0	26	1
21	143	2	23	0
22	144	2	23	0
23	145	0	27	2
24	146	0	25	0
25	147	0	27	2
26	148	0	33	8
27	149	0	34	9
28	150	0	30	5
29	151	0	33	8
30	152	0	30	5
31	153	0	31	6
Sums for month		21	892	138
21	Accumulated heating degree days since July 1			
2501	Accumulated growing degree days since Jan. 1			
317	Accumulated cooling degree days since Apr. 1			