

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

2007

Day	Mo. Cl.	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	154	87	64	75	97	44	70	285	572	290	0	0	78	194
2	155	91	65	78	95	44	69	273	585	325	0	0	22	294
3	156	95	68	81	95	41	68	349	543	328	9	0	66	379
4	157	92	63	77	85	41	63	354	533	367	0	0	105	415
5	158	81	53	67	95	41	68	213	632	385	0	0	63	317
6	159	84	61	72	91	40	65	298	551	361	0	0	103	309
7	160	85	66	75	100	68	84	141	352	314	0	0	65	166
8	161	82	67	74	100	70	85	85	254	199	20	0	76	120
9	162	89	61	75	96	52	74	244	548	463	0	0	105	365
10	163	81	63	72	100	60	80	124	323	193	12	0	55	181
11	164	73	58	65	100	81	90	32	175	130	3	0	44	117
12	165	83	59	71	95	39	67	224	558	91	0	0	39	262
13	166	88	64	76	97	39	68	228	507	145	4	0	89	210
14	167	80	55	67	96	35	65	239	499	104	0	0	119	310
15	168	79	59	69	80	36	58	288	501	194	0	0	44	205
16	169	81	60	70	90	37	63	269	434	199	0	0	112	269
17	170	89	55	72	97	44	70	208	414	186	8	0	57	247
18	171	79	50	64	98	32	65	180	494	83	20	0	72	129
19	172	70	47	58	95	43	69	142	462	175	0	0	124	205
20	173	74	53	63	93	43	68	176	428	207	0	0	43	151
21	174	60	54	57	100	81	90	44	112	107	15	0	65	94
22	175	61	57	59	99	86	92	41	87	84	11	0	129	55
23	176	73	58	65	99	77	88	61	270	252	1	0	155	131
24	177	80	67	73	100	77	88	67	223	186	38	0	74	169
25	178	91	70	80	100	51	75	185	447	209	5	0	64	365
26	179	91	61	76	93	52	72	192	384	186	2	0	101	159
27	180	73	56	64	100	66	83	64	325	214	0	0	52	92
28	181	80	55	67	100	43	71	136	492	115	0	0	61	200
29	182	84	59	71	98	45	71	240	511	71	0	0	18	342
30	183	90	64	77	98	41	69	274	484	136	0	0	76	172
31	184	74	56	65	100	85	92	23	156	115	2	0	47	98
<b>Sums</b>		<b>2520</b>	<b>1848</b>	<b>2175</b>	<b>2982</b>	<b>1634</b>	<b>2300</b>	<b>5679</b>	<b>12856</b>	<b>6414</b>	<b>150</b>	<b>0</b>	<b>2323</b>	<b>6722</b>
<b>Average</b>		<b>81.3</b>	<b>59.6</b>	<b>70.2</b>	<b>96.2</b>	<b>52.7</b>	<b>74.2</b>	<b>.183</b>	<b>414.7</b>	<b>206.9</b>	<b>.05</b>	<b>.0</b>	<b>74.9</b>	<b>.217</b>

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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	154	100	70	94	72	82	73	78	73	99	70	93	72	86	73	81	73
2	155	102	72	95	74	83	75	80	74	104	73	95	75	90	75	83	75
3	156	102	72	96	73	84	77	81	76	103	72	95	75	88	77	82	77
4	157	99	69	94	71	83	76	80	77	99	69	93	73	87	76	81	77
5	158	99	63	93	66	83	73	79	74	98	64	92	68	86	71	80	74
6	159	98	73	92	72	82	74	78	75	99	73	92	72	85	74	79	75
7	160	93	70	88	71	80	75	78	75	93	70	88	73	83	74	78	75
8	161	88	70	84	71	78	73	76	74	88	71	84	72	80	73	77	74
9	162	95	66	90	68	80	73	77	74	95	67	89	70	84	73	78	74
10	163	92	68	86	70	78	73	76	74	91	69	84	70	81	72	77	73
11	164	76	62	74	63	73	68	74	69	75	62	74	65	73	67	73	69
12	165	95	66	89	68	78	69	75	70	95	66	88	68	82	68	76	69
13	166	98	68	92	70	80	72	77	73	98	69	91	71	84	72	78	73
14	167	93	63	88	66	79	71	76	73	92	64	87	67	82	70	77	72
15	168	93	67	88	69	78	72	75	72	93	68	87	69	81	71	75	72
16	169	92	66	87	68	78	72	76	73	92	67	86	69	81	71	76	73
17	170	97	60	90	63	79	70	76	72	96	60	88	64	82	68	77	71
18	171	92	55	87	58	77	66	74	69	92	56	86	60	80	64	75	68
19	172	83	55	79	58	71	65	70	67	83	56	78	60	74	63	70	66
20	173	88	61	82	62	73	66	71	67	87	61	81	63	75	64	71	67
21	174	69	60	68	61	68	64	69	65	69	60	68	61	68	63	68	64
22	175	65	59	64	60	65	62	66	63	64	59	64	60	64	62	65	63
23	176	73	60	71	60	66	62	66	63	74	60	71	61	68	62	66	63
24	177	79	66	74	66	68	65	67	65	78	66	73	66	70	65	68	65
25	178	87	69	83	68	73	67	71	66	91	70	84	68	77	67	73	67
26	179	91	64	86	66	77	70	74	70	91	64	85	67	80	69	75	71
27	180	82	61	78	63	73	67	71	69	82	61	78	64	75	66	72	68
28	181	92	62	86	64	75	68	72	68	92	63	85	66	79	67	73	68
29	182	93	66	88	68	76	69	74	70	94	67	87	69	80	69	75	70
30	183	96	70	90	71	79	72	76	72	97	70	89	72	84	72	77	72
31	184	79	61	77	63	75	68	75	70	78	61	77	64	76	67	75	69
<b>Sums</b>		<b>2781</b>	<b>2014</b>	<b>2633</b>	<b>2063</b>	<b>2374</b>	<b>2167</b>	<b>2308</b>	<b>2192</b>	<b>2782</b>	<b>2028</b>	<b>2612</b>	<b>2094</b>	<b>2465</b>	<b>2145</b>	<b>2331</b>	<b>2187</b>
<b>Averages</b>		<b>89.7</b>	<b>65.0</b>	<b>84.9</b>	<b>66.5</b>	<b>76.6</b>	<b>69.9</b>	<b>74.5</b>	<b>70.7</b>	<b>89.7</b>	<b>65.4</b>	<b>84.3</b>	<b>67.5</b>	<b>79.5</b>	<b>69.2</b>	<b>75.2</b>	<b>70.5</b>

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MO. Day	Cl. Day	Heating Degrees Base 65F	Growing Degrees Base 40F	Cooling Degrees Base 65F
1	154	0	35	10
2	155	0	38	13
3	156	0	41	16
4	157	0	37	12
5	158	0	27	2
6	159	0	32	7
7	160	0	35	10
8	161	0	34	9
9	162	0	35	10
10	163	0	32	7
11	164	0	25	0
12	165	0	31	6
13	166	0	36	11
14	167	0	27	2
15	168	0	29	4
16	169	0	30	5
17	170	0	32	7
18	171	1	24	0
19	172	7	18	0
20	173	2	23	0
21	174	8	17	0
22	175	6	19	0
23	176	0	25	0
24	177	0	33	8
25	178	0	40	15
26	179	0	36	11
27	180	1	24	0
28	181	0	27	2
29	182	0	31	6
30	183	0	37	12
31	184	0	25	0
<b>Sums for month</b>		<b>25</b>	<b>935</b>	<b>185</b>
46	Accumulated heating degree days since July 1			
3436	Accumulated growing degree days since Jan. 1			
502	Accumulated cooling degree days since Apr. 1			