

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

September 2004

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	185	74	59	66	100	88	94	5	99 70	0	0	74	182	
2	186	73	53	63	96	57	76	114	488 138	0	0	76	237	
3	187	74	55	64	99	57	78	106	505 120	0	0	41	166	
4	188	80	60	70	97	46	71	116	511 91	0	0	65	195	
5	189	82	58	70	97	56	76	178	466 174	0	0	32	142	
6	190	78	61	69	100	58	79	105	404 261	0	0	189	223	
7	191	77	61	69	100	62	81	104	429 332	0	0	82	252	
8	192	79	63	71	93	53	73	176	502 378	39	0	80	183	
9	193	68	63	65	100	71	85	70	348 281	277	0	83	0	
10	194	76	58	67	100	79	89	25	95 91	27	0	128	183	
11	195	70	53	61	99	90	94	33	139 130	2	0	61	134	
12	196	74	54	64	100	73	86	47	344 142	0	0	51	238	
13	197	78	60	69	100	55	77	97	477 82	0	0	51	56	
14	198	72	54	63	97	47	72	150	419 122	0	0	49	150	
15	199	76	56	66	99	51	75	82	425 71	0	0	94	135	
16	200	73	58	65	94	68	81	108	358 168	0	0	104	178	
17	201	79	59	69	97	72	84	97	428 167	T	0	85	142	
18	202	61	50	55	95	68	81	132	390 146	133	0	48	133	
19	203	59	45	52	100	83	91	20	61 58	0	0	107	154	
20	204	58	43	50	91	56	73	86	438 95	0	0	84	123	
21	205	70	45	57	97	50	73	78	421 88	0	0	55	125	
22	206	76	50	63	97	37	67	105	415 100	0	0	37	124	
23	207	79	60	69	92	43	67	210	328 180	0	0	96	202	
24	208	78	56	67	84	42	63	276	434 55	0	0	38	139	
25	209	79	56	67	100	62	81	104	383 112	0	0	52	116	
26	210	76	57	66	100	64	82	95	369 132	T	0	55	99	
27	211	71	48	59	97	61	79	92	208 178	0	0	41	118	
28	212	72	50	61	100	51	75	79	353 100	0	0	50	138	
29	213	68	51	59	98	56	77	109	402 67	0	0	92	83	
30	214	61	49	55	95	72	83	73	192 172	3	0	80	132	
<b>Sums</b>		<b>2191</b>	<b>1645</b>	<b>1911</b>	<b>2914</b>	<b>1828</b>	<b>2363</b>	<b>3072</b>	<b>10831 4301</b>	<b>481</b>	<b>0</b>	<b>2180</b>	<b>4482</b>	
<b>Average</b>		<b>73.0</b>	<b>54.8</b>	<b>63.7</b>	<b>97.1</b>	<b>60.9</b>	<b>78.8</b>	<b>.102</b>	<b>361.0 143.4</b>	<b>.16</b>	<b>.0</b>	<b>72.7</b>	<b>.149</b>	

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		Soil Temperature F															
		Sod								Bare							
Mo.	Cl.	2 Inch		4 Inch		8 Inch		12 Inch		2 Inch		4 Inch		8 Inch		12 Inch	
Day	Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	185	74	63	73	65	71	68	72	69	74	63	73	65	72	67	72	68
2	186	81	61	78	63	72	66	70	68	81	61	78	63	74	65	71	67
3	187	81	59	79	61	72	66	70	67	83	60	79	62	75	65	71	67
4	188	86	62	82	63	73	65	70	66	87	62	81	63	77	65	71	66
5	189	86	65	83	64	74	67	72	67	86	65	82	65	77	66	72	67
6	190	89	64	84	66	75	69	73	69	89	65	83	67	79	69	73	69
7	191	87	64	83	65	75	69	73	70	87	64	82	66	78	68	74	69
8	192	86	66	83	66	75	69	73	69	86	66	81	67	77	68	74	69
9	193	86	66	82	67	74	69	72	69	86	67	81	68	77	69	73	69
10	194	72	65	71	66	70	67	70	68	72	65	71	66	71	67	70	67
11	195	73	61	71	62	69	65	69	66	73	61	71	62	70	64	69	65
12	196	77	57	74	59	68	63	67	65	77	57	74	59	70	62	67	64
13	197	80	59	77	60	70	63	68	64	80	59	76	61	72	62	68	64
14	198	80	62	76	63	70	64	68	65	81	62	77	63	73	64	69	65
15	199	81	59	78	60	71	65	69	66	81	60	78	61	73	64	69	66
16	200	77	63	75	62	70	64	69	65	76	63	75	63	72	64	69	65
17	201	82	61	79	62	71	66	70	66	81	62	78	63	74	64	70	66
18	202	83	64	79	64	72	66	70	66	81	64	78	64	74	65	71	65
19	203	65	56	66	58	69	62	69	64	66	56	61	58	69	61	69	63
20	204	69	51	68	53	65	59	65	61	69	51	67	54	66	57	65	60
21	205	69	49	67	51	63	57	62	59	69	50	66	52	64	55	63	58
22	206	73	53	71	53	63	57	63	58	73	52	70	53	66	55	62	58
23	207	73	55	71	56	64	60	64	61	73	55	70	57	66	59	64	60
24	208	80	58	76	58	66	60	66	61	78	58	75	58	70	59	66	61
25	209	83	60	79	61	70	63	68	63	82	61	78	62	72	63	68	63
26	210	83	63	79	63	71	64	69	65	82	63	78	63	74	64	69	65
27	211	77	61	74	62	69	65	68	66	77	61	74	62	71	64	69	65
28	212	79	55	76	57	69	63	67	65	78	56	76	58	71	62	68	64
29	213	80	59	77	59	69	62	67	63	79	59	76	59	71	61	67	63
30	214	72	56	70	57	67	62	67	63	72	56	70	58	69	61	67	63
<b>Sums</b>		<b>2364</b>	<b>1797</b>	<b>2281</b>	<b>1826</b>	<b>2097</b>	<b>1925</b>	<b>2060</b>	<b>1954</b>	<b>2359</b>	<b>1804</b>	<b>2259</b>	<b>1842</b>	<b>2164</b>	<b>1899</b>	<b>2070</b>	<b>1941</b>
<b>Averages</b>		<b>78.8</b>	<b>59.9</b>	<b>76.0</b>	<b>60.9</b>	<b>69.9</b>	<b>64.2</b>	<b>68.7</b>	<b>65.1</b>	<b>78.6</b>	<b>60.1</b>	<b>75.3</b>	<b>61.4</b>	<b>72.1</b>	<b>63.3</b>	<b>69.0</b>	<b>64.7</b>

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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	26		1
2	186	2	23		0
3	187	1	24		0
4	188	0	30		5
5	189	0	30		5
6	190	0	29		4
7	191	0	29		4
8	192	0	31		6
9	193	0	25		0
10	194	0	27		2
11	195	4	21		0
12	196	1	24		0
13	197	0	29		4
14	198	2	23		0
15	199	0	26		1
16	200	0	25		0
17	201	0	29		4
18	202	10	15		0
19	203	13	12		0
20	204	15	10		0
21	205	8	17		0
22	206	2	23		0
23	207	0	29		4
24	208	0	27		2
25	209	0	27		2
26	210	0	26		1
27	211	6	19		0
28	212	4	21		0
29	213	6	19		0
30	214	10	15		0
<b>Sums for month</b>		<b>84</b>	<b>711</b>		<b>45</b>
<b>140</b>	<b>Accumulated heating degree days since July 1</b>				
<b>4007</b>	<b>Accumulated growing degree days since Jan. 1</b>				
<b>374</b>	<b>Accumulated cooling degree days since Apr. 1</b>				