

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 1999

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	76	47	61	91	26	58	201	519 41	0	0	38	194	
2	186	83	53	68	90	31	60	260	502 41	0	0	32	205	
3	187	86	54	70	91	29	60	283	500 46	0	0	46	237	
4	188	86	57	71	91	33	62	279	461 110	0	0	29	264	
5	189	87	62	74	90	23	56	331	378 206	0	0	24	199	
6	190	88	62	75	96	33	64	318	439 129	4	0	80	272	
7	191	89	68	78	98	38	68	273	363 165	84	0	85	243	
8	192	79	65	72	98	71	84	76	195 157	22	0	74	267	
9	193	78	60	69	97	59	78	98	270 207	6	0	36	140	
10	194	77	61	69	95	58	76	131	208 179	5	0	29	90	
11	195	77	54	65	92	33	62	188	412 112	0	0	65	240	
12	196	74	49	61	94	36	65	205	390 124	0	0	91	217	
13	197	79	56	67	82	36	59	274	455 69	0	0	61	195	
14	198	80	62	71	96	38	67	218	281 164	19	0	87	187	
15	199	73	51	62	96	55	75	101	220 137	11	0	41	103	
16	200	69	53	61	88	35	61	179	297 153	0	0	17	123	
17	201	56	52	54	97	80	88	31	36 34	232	0	133	137	
18	202	65	52	58	93	51	72	122	356 152	4	0	136	208	
19	203	71	48	59	95	43	69	134	406 100	0	0	34	225	
20	204	74	53	63	86	42	64	201	433 50	0	0	65	295	
21	205	71	47	59	97	64	80	56	158 94	45	0	99	89	
22	206	49	44	46	93	70	81	45	108 96	0	0	83	85	
23	207	56	44	50	91	44	67	110	321 147	0	0	98	124	
24	208	75	46	60	79	37	58	244	402 60	0	0	88	287	
25	209	74	46	60	96	41	68	130	182 134	0	0	66	104	
26	210	62	42	52	94	49	71	89	313 117	0	0	50	79	
27	211	73	47	60	93	52	72	156	393 67	0	0	84	80	
28	212	75	58	66	97	67	82	99	286 182	0	0	87	122	
29	213	75	63	69	93	71	82	112	214 143	0	0	92	98	
30	214	73	52	62	94	76	85	94	142 135	50	0	161	122	
Sums		2230	1608	1912	2783	1421	2094	5038	9640 3551	482	0	2111	5231	
Average		74.3	53.6	63.7	92.8	47.4	69.8	.168	321.3 118.4	.16	.0	70.4	.174	

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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
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1	185	81	60	78	62	71	64	70	65	88	59	81	60	75	63	70	65
2	186	84	61	79	63	73	65	70	66	91	62	83	62	77	64	72	65
3	187	84	64	81	65	74	66	71	67	91	63	85	65	80	66	73	67
4	188	85	66	81	66	74	68	72	68	91	65	85	66	79	67	74	68
5	189	84	68	80	68	75	69	73	69	91	68	84	69	79	69	74	69
6	190	87	70	82	69	76	70	74	70	93	70	88	70	80	70	75	70
7	191	84	69	80	69	76	71	74	71	91	69	84	70	79	72	75	71
8	192	78	68	76	69	74	70	73	70	79	67	78	68	76	69	74	69
9	193	78	65	77	66	73	68	72	68	80	63	78	64	76	67	73	68
10	194	76	66	74	67	72	68	72	68	76	66	75	66	73	67	72	68
11	195	79	60	76	62	73	65	71	66	80	57	77	60	74	63	73	65
12	196	73	58	71	60	69	63	70	64	76	56	73	58	70	62	68	64
13	197	76	60	75	61	69	63	68	64	83	58	78	60	72	62	69	64
14	198	74	64	73	64	70	65	69	65	79	63	75	64	72	65	69	65
15	199	73	58	72	60	70	64	69	64	77	56	73	59	71	62	70	64
16	200	71	60	71	61	67	63	68	64	72	58	71	60	68	62	67	63
17	201	61	56	62	57	64	59	65	60	60	54	61	56	63	58	64	59
18	202	66	55	65	57	64	59	63	60	67	53	65	55	65	58	64	59
19	203	71	55	69	57	64	59	64	60	73	53	70	56	66	57	64	59
20	204	71	58	69	58	65	60	64	61	75	56	70	57	67	59	64	61
21	205	67	55	66	56	65	59	64	60	68	52	65	55	65	57	64	58
22	206	59	50	60	52	62	55	63	56	58	47	60	50	61	52	63	55
23	207	60	48	61	50	59	53	60	54	61	46	60	48	59	50	59	53
24	208	68	52	65	53	61	54	61	55	68	50	65	51	62	53	61	55
25	209	63	54	61	55	61	56	62	57	63	52	61	54	62	55	61	56
26	210	65	48	64	51	62	54	62	56	66	46	65	48	63	52	61	54
27	211	67	52	65	53	62	56	61	56	70	50	68	52	63	53	61	55
28	212	69	58	66	59	64	59	63	60	71	58	68	58	66	59	63	59
29	213	70	62	68	62	65	61	64	65	72	61	69	61	66	61	65	61
30	214	69	56	68	57	66	60	65	60	71	54	69	56	67	58	66	60
Sums		2193	1776	2135	1809	2040	1866	2017	1889	2281	1732	2184	1778	2096	1832	2028	1869
Averages		73.1	59.2	71.2	60.3	68.0	62.2	67.2	63.0	76.0	57.7	72.8	59.3	69.9	61.1	67.6	62.3

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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	4	21		0
2	186	0	28		3
3	187	0	30		5
4	188	0	31		6
5	189	0	34		9
6	190	0	35		10
7	191	0	38		13
8	192	0	32		7
9	193	0	29		4
10	194	0	29		4
11	195	0	25		0
12	196	4	21		0
13	197	0	27		2
14	198	0	31		6
15	199	3	22		0
16	200	4	21		0
17	201	11	14		0
18	202	7	18		0
19	203	6	19		0
20	204	2	23		0
21	205	6	19		0
22	206	19	6		0
23	207	15	10		0
24	208	5	20		0
25	209	5	20		0
26	210	13	12		0
27	211	5	20		0
28	212	0	26		1
29	213	0	29		4
30	214	3	22		0
Sums for month		112	712		74

154 Accumulated heating degree days since July 1  
 4230 Accumulated growing degree days since Jan. 1  
 1146 Accumulated cooling degree days since Apr. 1