

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

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	154	94	65	79	94	40	67	251	383 245	14	0	88	135	
2	155	82	61	71	89	36	62	300	626 60	0	0	113	351	
3	156	77	56	66	86	40	63	226	505 126	0	0	78	251	
4	157	72	60	66	86	30	58	321	553 116	T	0	56	278	
5	158	79	60	69	96	42	69	135	254 157	25	0	36	142	
6	159	75	56	65	94	56	75	154	385 188	0	0	45	148	
7	160	74	55	64	92	49	70	182	338 186	5	0	84	89	
8	161	77	61	69	96	36	66	236	542 193	24	0	28	236	
9	162	75	53	64	97	62	79	120	199 140	10	0	95	205	
10	163	68	52	60	85	41	63	204	529 310	0	0	91	239	
11	164	65	56	60	95	62	78	117	156 145	16	0	45	61	
12	165	76	60	68	97	67	82	97	348 230	2	0	42	113	
13	166	82	61	71	94	47	70	210	446 167	0	0	34	217	
14	167	77	67	72	94	70	82	116	135 100	13	0	51	26	
15	168	70	57	63	96	71	83	55	167 124	0	0	84	115	
16	169	73	52	62	92	42	67	176	532 119	0	0	86	224	
17	170	80	57	68	83	37	60	321	487 151	0	0	35	226	
18	171	88	61	74	92	38	65	267	438 206	0	0	95	308	
19	172	75	56	65	94	56	75	128	334 198	0	0	74	166	
20	173	79	58	68	97	31	64	241	409 208	80	0	43	295	
21	174	72	57	64	98	61	79	91	298 208	63	0	73	206	
22	175	73	56	64	95	43	69	151	410 202	0	0	16	166	
23	176	76	55	65	96	37	66	182	535 70	0	0	92	219	
24	177	82	58	70	92	36	64	223	476 134	0	0	22	202	
25	178	82	64	73	90	52	71	217	430 246	0	0	95	251	
26	179	81	64	72	94	44	69	273	403 205	1	0	60	225	
27	180	76	63	69	96	67	81	127	242 220	2	0	38	93	
28	181	75	64	69	95	78	86	74	224 186	7	0	40	14	
29	182	85	59	72	88	47	67	276	409 180	0	0	103	311	
30	183	72	51	61	85	45	65	181	355 173	0	0	87	298	
31	184	66	45	55	96	51	73	113	428 141	0	0	63	155	
Sums		2378	1800	2078	2874	1514	2188	5765	11976 5334	262	0	1992	5965	
Average		76.7	58.1	67.0	92.7	48.8	70.6	.186	386.3 172.1	.08	.0	64.3	.192	

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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	84	71	81	71	77	72	75	72	89	71	85	71	81	72	77	72
2	155	85	67	82	68	77	70	75	71	90	66	86	68	82	70	77	71
3	156	83	64	80	66	75	69	74	70	90	63	84	66	80	68	75	70
4	157	86	67	82	68	76	69	73	70	90	67	85	68	80	69	75	70
5	158	78	65	75	66	73	68	73	69	79	63	78	65	76	67	74	69
6	159	78	63	75	65	72	67	72	68	77	61	76	64	74	66	72	68
7	160	74	61	73	62	71	65	70	66	75	59	73	61	72	64	71	66
8	161	84	64	80	64	73	66	71	66	90	63	84	63	77	64	73	66
9	162	76	60	72	62	71	65	71	66	76	58	74	61	73	63	72	65
10	163	76	60	75	62	70	65	69	66	80	59	75	61	73	63	71	65
11	164	68	62	69	63	68	64	68	64	69	61	67	62	68	63	68	64
12	165	77	63	73	64	70	64	68	65	77	62	74	63	71	64	70	64
13	166	82	66	79	66	73	66	71	66	87	65	81	65	75	65	72	66
14	167	73	68	73	68	71	68	70	67	75	68	74	68	72	68	71	67
15	168	72	62	71	64	69	65	69	66	71	60	70	63	70	64	70	66
16	169	79	60	76	62	70	65	69	66	85	58	79	61	75	64	71	65
17	170	82	64	78	64	71	65	70	67	88	62	82	63	76	64	71	66
18	171	85	67	80	67	74	68	72	68	91	66	85	68	79	68	74	68
19	172	78	64	76	65	73	67	72	68	83	63	79	65	75	67	72	68
20	173	82	64	78	66	73	68	71	68	88	65	82	66	77	67	74	68
21	174	75	63	72	64	70	66	70	66	78	61	74	63	72	64	70	66
22	175	76	61	74	62	70	64	69	65	79	59	76	61	72	63	70	64
23	176	78	62	76	63	71	65	69	65	84	60	80	62	75	64	71	65
24	177	80	64	76	65	72	66	71	66	89	64	82	64	77	65	72	66
25	178	80	66	76	66	72	68	71	68	86	66	81	67	76	68	72	68
26	179	80	67	77	68	74	68	72	68	87	67	81	68	78	69	73	69
27	180	76	68	75	68	73	69	72	69	82	67	78	68	75	69	73	69
28	181	76	66	74	67	72	68	71	68	78	65	76	66	74	68	72	68
29	182	81	64	79	65	74	67	72	68	88	63	82	65	78	67	73	68
30	183	76	62	76	63	72	65	71	66	80	60	77	62	74	64	72	66
31	184	76	58	75	60	70	64	69	65	81	56	78	60	73	63	70	65
Sums		2436	1983	2358	2014	2237	2066	2200	2083	2562	1948	2438	1998	2330	2044	2238	2078
Averages		78.6	64.0	76.1	65.0	72.2	66.6	71.0	67.2	82.6	62.8	78.6	64.5	75.2	65.9	72.2	67.0

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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	154	0	39		14
2	155	0	31		6
3	156	0	26		1
4	157	0	26		1
5	158	0	29		4
6	159	0	25		0
7	160	1	24		0
8	161	0	29		4
9	162	1	24		0
10	163	5	20		0
11	164	5	20		0
12	165	0	28		3
13	166	0	31		6
14	167	0	32		7
15	168	2	23		0
16	169	3	22		0
17	170	0	28		3
18	171	0	34		9
19	172	0	25		0
20	173	0	28		3
21	174	1	24		0
22	175	1	24		0
23	176	0	25		0
24	177	0	30		5
25	178	0	33		8
26	179	0	32		7
27	180	0	29		4
28	181	0	29		4
29	182	0	32		7
30	183	4	21		0
31	184	10	15		0
Sums for month		33	838		96

42 Accumulated heating degree days since July 1
 3518 Accumulated growing degree days since Jan. 1
 1072 Accumulated cooling degree days since Apr. 1