

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

2001

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	Diff	Hund Ins	Tnth Ins	1.5 Ft	Thou In Evap
1	123	86	71	78	85	42	63	371	504	270	T	0	59	317
2	124	78	46	62	98	43	70	167	324	173	50	0	32	322
3	125	78	46	62	94	39	66	171	636	132	0	0	69	260
4	126	72	55	63	87	43	65	188	335	257	0	0	20	122
5	127	78	57	67	95	58	76	165	314	233	14	0	32	155
6	128	73	52	62	82	40	61	202	478	181	0	0	43	226
7	129	70	53	61	85	45	65	187	440	216	0	0	57	186
8	130	78	58	68	96	30	63	220	366	190	7	0	37	188
9	131	78	58	68	93	56	74	173	315	216	0	0	31	129
10	132	85	66	75	82	32	57	372	569	163	2	0	56	235
11	133	83	57	70	98	33	65	269	616	118	50	0	72	421
12	134	71	58	64	90	48	69	180	520	202	T	0	83	250
13	135	69	57	63	86	50	68	185	402	205	T	0	72	257
14	136	73	58	65	96	46	71	201	432	196	4	0	78	326
15	137	74	60	67	90	52	71	190	387	254	0	0	72	129
16	138	80	55	67	95	38	66	233	580	150	0	0	42	291
17	139	81	60	70	100	39	69	177	475	161	21	0	12	219
18	140	71	57	64	100	73	86	55	242	218	11	0	2	73
19	141	80	60	70	100	35	67	213	605	128	0	0	15	259
20	142	83	61	72	98	41	69	196	568	170	0	0	30	318
21	143	84	60	72	88	36	62	284	605	210	0	0	27	179
22	144	84	64	74	75	36	55	367	482	267	0	0	33	276
23	145	85	65	75	87	35	61	349	456	271	T	0	25	281
24	146	93	73	83	85	39	62	381	531	345	0	0	40	290
25	147	90	69	79	86	47	66	393	452	339	T	0	68	292
26	148	85	60	72	99	38	68	227	441	174	39	0	41	284
27	149	68	48	58	90	31	60	192	609	381	0	0	70	248
28	150	71	50	60	94	27	60	203	619	364	0	0	23	288
29	151	76	57	66	84	32	58	289	581	417	0	0	32	256
30	152	76	59	67	88	46	67	238	410	279	0	0	52	266
31	153	74	60	67	99	64	81	142	370	320	0	0	26	146
Sums		2427	1810	2111	2825	1314	2061	7180	14664	7200	198	0	1351	7489
Average		78.3	58.4	68.1	91.1	42.4	66.5	.232	473.0	232.3	.06	.0	43.6	.242

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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	91	73	87	73	80	73	77	72	94	73	89	73	84	74	78	73
2	124	76	54	75	58	74	63	74	66	77	53	75	57	75	61	74	65
3	125	80	56	76	58	71	63	70	64	82	56	78	58	73	61	70	64
4	126	77	60	73	61	70	64	68	65	79	60	74	61	71	63	68	64
5	127	79	63	75	63	71	65	69	65	81	63	76	63	72	65	70	65
6	128	80	58	76	61	72	64	70	66	81	58	77	60	74	63	70	65
7	129	78	59	74	61	70	64	68	65	79	58	75	61	72	63	68	64
8	130	83	61	77	61	71	64	69	64	86	61	78	61	73	63	70	64
9	131	79	63	76	64	71	66	69	66	80	63	77	64	74	66	70	66
10	132	88	66	82	65	75	66	72	65	91	66	84	65	79	66	74	66
11	133	90	64	85	66	77	69	75	69	93	64	87	66	81	68	77	69
12	134	78	61	75	63	72	66	71	66	81	61	77	63	74	65	71	66
13	135	76	61	73	62	70	65	68	66	78	61	74	63	71	63	69	66
14	136	80	62	76	63	71	65	69	65	82	62	77	63	73	64	70	65
15	137	78	62	74	64	71	66	69	66	80	62	76	64	72	65	69	66
16	138	89	63	83	64	75	66	77	66	91	63	85	64	79	65	73	66
17	139	92	65	85	66	77	68	73	68	94	66	88	66	80	67	74	68
18	140	78	62	75	64	72	67	70	67	79	62	76	64	74	66	71	67
19	141	89	65	84	65	76	66	73	67	91	65	85	65	79	66	74	67
20	142	93	67	86	67	78	69	75	69	95	67	88	68	82	69	76	69
21	143	95	68	88	68	80	70	77	70	97	68	91	69	84	70	78	71
22	144	91	69	85	70	79	72	76	72	93	69	87	70	82	72	77	72
23	145	90	70	85	70	79	72	76	72	93	70	87	71	82	72	77	72
24	146	98	72	92	71	83	72	79	72	102	72	94	72	87	73	81	73
25	147	93	72	88	73	82	76	79	75	96	72	91	74	86	76	81	76
26	148	94	68	88	70	82	74	79	74	98	68	91	70	85	73	80	74
27	149	82	58	79	61	76	67	74	69	82	57	80	61	77	65	75	68
28	150	89	60	83	62	76	66	74	68	89	60	84	61	79	65	74	67
29	151	90	62	84	64	77	67	74	68	91	62	86	63	80	66	75	68
30	152	84	66	80	67	76	70	74	70	85	66	81	68	78	69	74	70
31	153	84	67	80	68	76	70	74	70	85	67	81	68	78	69	74	69
Sums		2644	1977	2499	2013	2330	2095	2262	2107	2705	1975	2549	2016	2410	2073	2282	2105
Averages		85.3	63.8	80.6	64.9	75.2	67.6	73.0	68.0	87.3	63.7	82.2	65.0	77.7	66.9	73.6	67.9

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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	123	0	38		13
2	124	3	22		0
3	125	3	22		0
4	126	2	23		0
5	127	0	27		2
6	128	3	22		0
7	129	4	21		0
8	130	0	28		3
9	131	0	28		3
10	132	0	35		10
11	133	0	30		5
12	134	1	24		0
13	135	2	23		0
14	136	0	25		0
15	137	0	27		2
16	138	0	27		2
17	139	0	30		5
18	140	1	24		0
19	141	0	30		5
20	142	0	32		7
21	143	0	32		7
22	144	0	34		9
23	145	0	35		10
24	146	0	43		18
25	147	0	39		14
26	148	0	32		7
27	149	7	18		0
28	150	5	20		0
29	151	0	26		1
30	152	0	27		2
31	153	0	27		2
Sums for month		31	871		127
31	Accumulated heating degree days since July 1				
2449	Accumulated growing degree days since Jan. 1				
269	Accumulated cooling degree days since Apr. 1				