

## 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

2014

Mo. Day	Cl. Day	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	123	78	63	70	92	59	75	17	458	350	0	0	55	171
2	124	68	60	64	96	81	88	5	101	98	47	0	65	67
3	125	81	61	71	96	69	82	9	344	241	16	0	38	140
4	126	84	67	75	94	59	76	19	419	274	11	0	53	234
5	127	85	68	76	95	48	71	21	385	231	6	0	46	166
6	128	87	68	77	94	51	72	20	471	314	6	0	53	291
7	129	86	70	78	94	42	68	28	557	238	19	0	41	283
8	130	85	70	77	90	54	72	30	455	265	0	0	70	234
9	131	84	67	75	95	53	74	14	316	235	93	0	47	207
10	132	83	68	75	91	56	73	16	339	262	17	0	54	181
11	133	86	63	74	86	54	70	27	396	232	11	0	82	223
12	134	76	60	68	95	50	72	17	486	214	0	0	63	254
13	135	75	62	68	94	51	72	18	356	316	0	0	59	180
14	136	80	65	72	95	64	79	17	388	265	0	0	46	269
15	137	88	72	80	91	52	71	27	442	203	0	0	43	101
16	138	87	71	79	82	48	65	33	432	233	0	0	72	231
17	139	89	67	78	91	44	67	32	573	190	0	0	56	285
18	140	92	71	81	86	48	67	35	497	198	5	0	62	229
19	141	88	72	80	91	59	75	23	342	183	70	0	53	303
20	142	91	68	79	94	45	69	33	541	300	65	0	111	578
21	143	76	63	69	94	60	77	13	260	247	8	0	62	26
22	144	75	59	67	93	49	71	18	541	343	0	0	48	215
23	145	78	60	69	94	57	75	16	351	220	51	0	34	145
24	146	83	61	72	92	47	69	24	476	372	0	0	91	296
25	147	65	49	57	95	50	72	12	383	358	0	0	93	204
26	148	72	53	62	93	43	68	18	571	383	0	0	76	268
27	149	76	56	66	91	42	66	19	594	387	0	0	56	182
28	150	80	56	68	94	52	73	16	310	274	20	0	80	195
29	151	75	56	65	93	56	74	12	300	296	16	0	38	127
30	152	71	56	63	92	51	71	15	290	187	7	0	45	137
31	153	74	57	65	93	47	70	16	471	382	0	0	67	176
Sums		2498	1959	2220	2866	1641	2244	620	12845	8291	468	0	1859	6598
Average		80.6	63.2	71.6	92.5	52.9	72.4	0.020	414.4	267.5	0.15	0.0	60.0	0.213

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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	89	67	82	69	77	68	75	69	87	67	85	68	82	68	77	68
2	124	73	65	72	66	71	67	70	67	73	64	72	65	71	66	70	67
3	125	89	67	81	67	77	67	74	67	88	66	84	66	80	66	75	67
4	126	91	71	85	70	80	70	77	70	91	71	88	70	84	70	79	70
5	127	93	72	88	73	83	73	80	72	93	72	91	73	87	73	82	73
6	128	95	73	90	74	82	73	80	73	96	73	91	74	87	74	82	73
7	129	98	74	91	75	85	74	83	74	98	75	95	74	91	74	85	73
8	130	96	72	91	74	84	74	81	74	95	72	94	73	89	74	83	74
9	131	94	72	88	73	80	73	79	73	93	71	89	72	84	73	80	73
10	132	91	72	85	73	80	73	78	73	90	71	86	72	83	73	79	73
11	133	93	67	89	70	82	72	80	72	93	67	91	69	87	70	82	72
12	134	88	66	83	69	80	71	79	72	86	66	89	68	85	70	81	71
13	135	82	67	79	68	76	70	75	70	83	66	83	68	80	79	76	70
14	136	87	69	80	70	78	70	77	70	88	69	86	69	82	69	78	70
15	137	94	73	86	73	84	72	82	72	95	75	94	73	90	73	84	72
16	138	96	70	89	71	85	74	83	73	98	71	98	73	92	74	86	75
17	139	100	74	91	74	87	74	85	75	102	76	102	74	96	75	89	75
18	140	104	75	95	76	88	77	86	77	106	76	103	77	96	77	89	77
19	141	95	74	90	76	83	77	82	77	96	74	93	75	89	77	83	77
20	142	96	73	93	74	83	76	85	77	98	73	100	74	95	76	88	77
21	143	82	68	80	70	79	72	78	72	81	67	82	68	80	70	79	72
22	144	90	68	84	70	81	72	79	73	85	67	88	69	85	70	81	72
23	145	88	70	83	71	79	72	78	73	86	70	87	70	84	71	80	72
24	146	93	65	89	68	84	71	82	72	94	64	93	67	90	70	84	72
25	147	78	58	75	62	75	66	75	68	78	57	80	59	78	63	76	66
26	148	85	59	78	62	77	66	77	67	87	59	88	61	84	63	79	66
27	149	90	62	84	65	80	67	79	68	94	64	93	63	88	65	82	67
28	150	81	68	78	68	76	69	75	70	86	69	84	68	80	69	76	70
29	151	87	65	80	67	76	69	75	70	85	63	84	64	79	67	76	69
30	152	80	63	77	65	73	67	73	68	81	61	78	62	74	65	73	67
31	153	84	62	80	65	76	67	75	68	84	61	84	63	81	65	77	67
Sums		2782	2121	2616	2168	2481	2203	2437	2216	2790	2117	2755	2141	2633	2189	2491	2207
Averages		89.7	68.4	84.4	69.9	80.0	71.1	78.6	71.5	90.0	68.3	88.9	69.1	84.9	70.6	80.4	71.2

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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	30		5
2	124	1	24		0
3	125	0	31		6
4	126	0	35		10
5	127	0	36		11
6	128	0	37		12
7	129	0	38		13
8	130	0	37		12
9	131	0	35		10
10	132	0	35		10
11	133	0	34		9
12	134	0	28		3
13	135	0	28		3
14	136	0	32		7
15	137	0	40		15
16	138	0	39		14
17	139	0	38		13
18	140	0	41		16
19	141	0	40		15
20	142	0	39		14
21	143	0	29		4
22	144	0	27		2
23	145	0	29		4
24	146	0	32		7
25	147	8	17		0
26	148	3	22		0
27	149	0	26		1
28	150	0	28		3
29	151	0	25		0
30	152	2	23		0
31	153	0	25		0
Sums for month		14	980		219

14 Accumulated heating degree days since July 1  
 2573 Accumulated growing degree days since Jan. 1  
 358 Accumulated cooling degree days since Apr. 1