

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

October 2007

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	215	70	49	59	95	56	75	110	345	311	0	0	58	90
2	216	75	49	62	92	51	71	139	379	366	0	0	134	186
3	217	65	57	61	95	78	86	88	98	97	2	0	143	67
4	218	76	55	65	100	54	77	122	267	256	0	0	53	144
5	219	78	56	67	100	53	76	97	343	335	0	0	27	86
6	220	83	57	70	99	53	76	134	337	329	0	0	31	287
7	221	86	57	71	100	54	77	69	229	222	22	0	121	9
8	222	72	57	64	100	79	89	32	202	194	1	0	31	22
9	223	83	60	71	100	67	83	125	275	269	0	0	51	150
10	224	75	49	62	100	82	91	19	188	183	28	0	47	119
11	225	70	46	58	97	55	76	100	241	234	0	0	60	99
12	226	54	44	49	100	84	92	15	72	71	17	0	94	32
13	227	50	38	44	96	60	78	50	162	158	1	0	94	201
14	228	57	38	47	99	49	74	99	208	203	5	0	92	7
15	229	54	45	49	96	72	84	49	148	144	2	0	46	41
16	230	58	40	49	100	66	83	53	177	169	0	0	44	68
17	231	59	41	50	100	54	77	72	288	267	11	0	30	61
18	232	73	52	62	100	61	80	44	223	218	3	0	37	107
19	233	71	53	62	100	76	88	78	163	158	0	0	91	82
20	234	71	57	64	100	64	82	100	54	53	45	0	85	74
21	235	62	46	54	88	62	75	132	145	141	1	0	102	116
22	236	80	48	64	80	25	52	260	305	292	0	0	73	146
23	237	76	53	64	100	45	72	195	282	270	53	0	82	179
24	238	64	46	55	100	98	99	1	28	28	88	0	74	43
25	239	58	40	49	100	61	80	35	172	166	2	0	38	84
26	240	59	39	49	100	47	73	72	292	274	0	0	49	82
27	241	56	44	50	100	60	80	48	115	113	14	0	137	174
28	242	65	39	52	100	56	78	70	108	105	11	0	127	105
29	243	47	32	39	94	71	82	33	144	138	8	0	90	16
30	244	53	37	45	86	50	68	103	205	198	0	0	90	66
31	245	61	41	51	92	50	71	90	256	245	0	0	54	89
Sums		2061	1465	1758	3009	1893	2445	2634	6451	6207	314	0	2285	3032
Average		66.5	47.3	56.7	97.1	61.1	78.9	.085	208.1	200.2	.10	.0	73.7	.098

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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	215	72	52	69	54	64	58	63	60	73	52	69	55	66	57	63	59
2	216	78	55	73	57	65	60	64	61	78	56	72	58	67	60	64	61
3	217	65	57	63	58	62	61	63	61	65	58	63	59	63	60	62	61
4	218	77	57	72	58	66	61	64	61	76	57	72	59	67	61	64	61
5	219	80	58	76	60	66	62	65	62	81	59	76	60	70	61	66	62
6	220	84	62	78	62	68	63	67	63	84	62	78	62	72	63	67	64
7	221	83	62	77	63	69	65	68	65	83	62	76	64	71	65	68	65
8	222	74	60	72	61	68	64	66	65	74	61	71	62	69	64	67	64
9	223	81	64	77	65	69	64	68	65	82	65	77	65	72	64	68	64
10	224	79	53	74	55	69	62	67	63	78	54	73	57	70	60	68	63
11	225	72	52	69	55	65	59	66	61	72	53	69	56	67	58	65	61
12	226	59	48	59	50	60	55	62	58	59	48	59	51	60	54	61	57
13	227	57	39	56	42	57	49	59	52	56	40	56	43	57	47	58	51
14	228	58	44	56	44	55	50	55	53	58	43	56	45	55	48	55	52
15	229	61	51	58	51	56	53	56	54	60	50	57	51	56	52	56	54
16	230	61	45	60	47	57	52	57	54	61	45	59	48	58	51	56	53
17	231	65	47	61	48	56	50	55	51	64	48	60	49	57	50	55	51
18	232	69	50	65	51	58	53	57	54	69	51	64	52	60	53	57	53
19	233	65	53	63	53	59	55	59	55	65	53	62	53	60	54	59	55
20	234	65	51	63	52	61	56	60	56	65	52	63	53	62	55	60	56
21	235	58	43	57	45	57	50	57	52	58	44	57	46	57	49	57	52
22	236	66	47	63	48	57	52	57	53	69	48	65	49	59	51	57	53
23	237	70	51	66	51	59	54	59	54	70	51	65	52	61	54	59	54
24	238	61	47	60	48	59	51	59	52	61	47	60	48	60	50	59	52
25	239	61	36	58	39	55	45	55	47	60	37	56	40	55	43	54	47
26	240	60	39	57	41	53	47	52	49	59	39	56	42	54	45	52	48
27	241	54	44	52	44	52	47	53	49	53	44	52	44	52	46	52	48
28	242	60	37	57	39	53	45	53	47	59	38	56	40	53	43	53	46
39	243	47	26	45	28	46	36	47	39	46	27	45	30	46	34	47	38
30	244	50	28	48	30	44	36	45	40	49	29	46	31	45	34	44	38
31	245	56	37	53	37	47	41	48	43	55	37	52	38	49	40	47	42
Sums		2048	1495	1957	1536	1832	1656	1826	1699	2042	1510	1942	1562	1870	1626	1820	1685
Averages		66.1	48.2	63.1	49.5	59.1	53.4	58.9	54.8	65.9	48.7	62.6	50.4	60.3	52.5	58.7	54.4

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MO. Day	Cl. Day	Heating Degrees Base 65F	Growing Degrees Base 40F	Cooling Degrees Base 65F
1	215	6	19	0
2	216	3	22	0
3	217	4	21	0
4	218	0	25	0
5	219	0	27	2
6	220	0	30	5
7	221	0	31	6
8	222	1	24	0
9	223	0	31	6
10	224	3	22	0
11	225	7	18	0
12	226	16	9	0
13	227	21	4	0
14	228	18	7	0
15	229	16	9	0
16	230	16	9	0
17	231	15	10	0
18	232	3	22	0
19	233	3	22	0
20	234	1	24	0
21	235	11	14	0
22	236	1	24	0
23	237	1	24	0
24	238	10	15	0
25	239	16	9	0
26	240	16	9	0
27	241	15	10	0
28	242	13	12	0
29	243	26	0	0
30	244	20	5	0
31	245	14	11	0
Sums for month		276	519	19

422 Accumulated heating degree days since July 1
 4679 Accumulated growing degree days since Jan. 1
 595 Accumulated cooling degree days since Apr. 1