

## 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 2010

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	In Evap	
1	215	59	55	57	100	94	97	2	31 30	299	0	0	162	
2	216	62	44	53	100	100	100	999	225 134	3	0	0	140	
3	217	59	45	52	100	68	84	55	213 155	0	0	0	100	
4	218	56	43	49	93	59	76	78	249 188	0	0	0	89	
5	219	52	44	48	97	59	78	53	96 95	27	0	0	35	
6	220	51	47	49	100	89	94	8	48 46	43	0	0	0	
7	221	61	50	55	100	100	100	0	152 150	48	0	0	106	
8	222	66	50	58	100	77	88	15	324 304	0	0	0	162	
9	223	70	51	60	93	45	69	131	365 336	0	0	0	387	
10	224	58	36	47	97	42	69	225	377 340	0	0	0	46	
11	225	69	38	53	94	37	65	97	346 287	0	0	0	85	
12	226	61	44	52	100	36	68	114	181 178	12	0	0	64	
13	227	54	35	44	100	74	87	29	224 214	0	0	0	98	
14	228	59	36	47	100	64	82	40	330 302	0	0	0	77	
15	229	52	43	47	100	53	76	57	55 52	13	0	0	60	
16	230	49	44	46	100	76	88	20	75 64	60	0	0	66	
17	231	56	42	49	100	74	87	26	286 72	2	0	0	152	
18	232	60	43	51	100	43	71	74	250 86	0	0	0	94	
19	233	53	36	44	87	43	65	108	217 137	0	0	0	101	
20	234	56	39	47	98	47	72	71	196 96	0	0	0	68	
21	235	62	40	51	98	49	73	86	264 64	8	0	0	173	
22	236	49	36	42	98	38	68	150	174 100	20	0	0	46	
23	237	48	37	42	100	62	81	31	190 121	2	0	0	248	
24	238	60	42	51	94	51	72	75	160 119	11	0	0	65	
25	239	62	49	55	100	53	76	56	102 98	0	0	0	10	
26	240	64	53	58	100	66	83	98	52 48	45	0	0	48	
27	241	70	51	60	100	70	85	27	179 127	27	0	0	22	
28	242	69	49	59	100	74	87	54	266 85	0	0	0	182	
29	243	60	43	51	87	34	60	229	95 91	5	0	0	133	
30	244	45	37	41	94	38	66	84	101 97	7	0	0	107	
31	245	55	37	46	97	65	81	43	139 125	3	0	0	217	
Sums		1807	1339	1564	3027	1880	2448	3135	5962 4341	635	0	0	3343	
Average		58.3	43.2	50.5	97.6	60.6	79.0	0.101	192.3 140.0	0.20	0.0	0.0	0.108	

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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	62	59	62	60	63	61	63	61	62	58	62	59	62	60	63	61
2	216	59	58	60	59	61	60	62	61	58	57	59	57	60	59	62	60
3	217	62	52	61	54	61	57	61	58	65	48	63	51	62	55	61	57
4	218	61	53	60	55	59	56	59	57	65	50	62	52	60	54	59	56
5	219	60	50	59	52	58	54	58	56	64	47	61	50	59	52	58	55
6	220	57	52	56	53	56	54	57	56	58	49	56	50	56	52	56	54
7	221	55	53	56	54	56	55	56	55	55	51	55	52	55	53	56	54
8	222	60	53	59	55	57	55	58	56	64	51	61	53	58	54	57	55
9	223	61	50	59	52	58	54	57	55	65	47	62	49	59	52	57	54
10	224	61	52	59	53	57	54	56	54	66	50	62	51	59	52	56	54
11	225	59	44	58	47	56	50	57	51	65	39	62	43	59	47	56	50
12	226	60	49	58	51	55	52	56	52	66	46	62	46	57	50	55	52
13	227	60	50	58	52	57	54	57	55	66	47	62	50	58	52	56	54
14	228	57	44	57	47	56	49	57	51	60	39	58	42	57	46	56	50
15	229	57	46	55	48	53	50	54	50	64	44	59	45	56	48	53	50
16	230	54	49	54	50	53	52	54	53	53	47	52	48	52	50	53	52
17	231	51	46	51	48	52	50	53	51	51	45	51	46	51	48	52	50
18	232	54	44	53	46	52	48	52	48	58	42	55	45	53	47	52	48
19	233	55	44	53	46	52	49	52	49	59	41	56	44	54	46	52	49
20	234	52	42	52	44	51	47	52	48	56	39	53	42	52	45	51	47
21	235	54	43	52	45	51	47	51	48	58	39	54	42	52	45	51	47
22	236	55	46	53	47	51	47	51	48	59	43	55	44	52	46	50	48
23	237	52	42	51	43	51	46	52	47	55	40	53	42	52	44	51	47
24	238	46	38	45	40	46	41	48	42	48	37	46	38	46	40	47	42
25	239	52	42	49	42	49	43	50	44	56	40	52	40	49	42	49	43
26	240	53	48	52	48	51	49	51	49	56	48	53	48	52	48	51	48
27	241	54	50	53	51	53	51	53	50	55	49	54	50	54	51	53	50
28	242	60	50	57	52	56	51	55	51	63	49	59	51	57	51	55	51
29	243	58	47	57	49	55	50	55	52	62	45	59	47	57	49	55	51
30	244	51	43	51	45	51	47	52	48	51	41	50	43	51	45	52	47
31	245	46	36	46	39	48	42	49	43	46	33	46	36	47	39	48	42
Sums		1738	1475	1706	1527	1685	1575	1698	1599	1829	1401	1754	1456	1708	1522	1683	1578
Averages		56.1	47.6	55.0	49.3	54.4	50.8	54.8	51.6	59.0	45.2	56.6	47.0	55.1	49.1	54.3	50.9

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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	215	8	17		0
2	216	12	13		0
3	217	13	12		0
4	218	16	9		0
5	219	17	8		0
6	220	16	9		0
7	221	10	15		0
8	222	7	18		0
9	223	5	20		0
10	224	18	7		0
11	225	12	13		0
12	226	13	12		0
13	227	21	4		0
14	228	18	7		0
15	229	18	7		0
16	230	19	6		0
17	231	16	9		0
18	232	14	11		0
19	233	21	4		0
20	234	18	7		0
21	235	14	11		0
22	236	23	2		0
23	237	23	2		0
24	238	14	11		0
25	239	10	15		0
26	240	7	18		0
27	241	5	20		0
28	242	6	19		0
29	243	14	11		0
30	244	24	1		0
31	245	19	6		0
Sums for month		451	324		0

646 Accumulated heating degree days since July 1

4744 Accumulated growing degree days since Jan. 1

667 Accumulated cooling degree days since Apr. 1