

## 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

May

2011

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	62	59	42	50	98	47	72	1	568	116	0	0	0	
2	63	65	49	57	100	45	72	1	227	189	7	0	0	
3	64	62	42	52	100	85	92	2	93	92	27	0	0	
4	65	46	40	43	100	97	98	0	66	66	95	0	0	
5	66	47	41	44	100	68	84	0	240	193	8	0	0	
6	67	58	44	51	72	29	50	2	610	94	0	0	0	
7	68	67	45	56	96	35	65	2	483	257	0	0	0	
8	69	63	44	53	95	51	73	1	475	227	0	0	0	
9	70	62	43	52	90	52	71	1	561	162	0	0	0	
10	71	61	39	50	97	41	69	2	607	113	0	0	0	
11	72	63	41	52	100	25	62	1	524	170	0	0	0	
12	73	72	46	59	100	47	73	1	600	105	0	0	0	
13	74	78	62	70	83	36	59	3	492	247	0	0	0	
14	75	78	59	68	100	63	81	1	467	204	2	0	0	
15	76	68	51	59	100	86	93	0	144	142	14	0	0	
16	77	52	44	48	100	100	100	0	84	83	93	0	0	
17	78	49	43	46	100	100	100	0	137	136	4	0	0	
18	79	58	43	50	100	100	100	0	119	117	32	0	0	
19	80	73	55	64	100	74	87	0	360	264	12	0	0	
20	81	72	55	63	100	59	79	0	380	178	13	0	0	
21	82	70	55	62	100	69	84	0	440	248	T	0	0	
22	83	76	55	65	100	65	82	1	536	196	2	0	0	
23	84	70	59	64	99	84	91	0	203	183	0	0	78	
24	85	75	62	68	100	75	87	1	378	208	22	0	183	
25	86	76	51	63	100	62	81	1	453	220	0	0	207	
26	87	71	52	61	100	64	82	1	572	211	18	0	223	
27	88	85	60	72	100	46	73	1	419	228	8	0	153	
28	89	72	53	62	100	85	92	0	205	192	72	0	244	
29	90	78	59	68	100	70	85	1	363	254	0	0	262	
30	91	86	65	75	100	54	77	1	390	209	23	0	109	
31	92	82	63	72	100	72	86	1	473	298	0	0	157	
Sums		2094	1562	1819	3030	1986	2500	26	11669	5602	452	0	1616	
Average		67.5	50.4	58.7	97.7	64.1	80.6	0.001	376.4	180.7	0.15	0.0	0.052	

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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	62	59	43	54	43	50	43	50	43	64	42	58	42	53	42	49	43
2	63	55	50	52	49	52	48	51	48	58	50	54	48	53	48	52	48
3	64	55	45	53	46	51	47	51	47	57	43	54	44	52	46	51	46
4	65	47	38	47	39	47	41	48	42	48	37	47	38	47	40	50	37
5	66	45	36	44	38	44	40	44	41	48	33	46	36	45	38	57	32
6	67	52	38	48	39	46	39	46	40	58	36	53	38	49	39	46	39
7	68	56	44	51	43	50	42	49	42	64	43	57	42	52	42	49	42
8	69	58	43	54	45	51	46	49	46	67	41	60	43	56	45	50	45
9	70	59	44	55	45	52	46	51	46	69	42	63	44	57	46	52	46
10	71	59	42	55	44	53	47	52	48	72	40	65	44	59	46	54	47
11	72	60	44	55	46	54	47	53	47	73	41	65	44	60	47	55	47
12	73	66	48	58	50	54	50	55	49	79	47	70	50	62	49	56	49
13	74	65	56	60	54	58	53	58	52	80	58	72	55	65	54	59	53
14	75	69	59	64	57	63	57	62	56	84	60	77	61	70	59	64	57
15	76	64	56	61	56	60	57	60	57	68	54	65	56	63	57	61	57
16	77	56	47	57	48	57	49	57	50	57	44	56	46	57	48	57	48
17	78	52	45	52	46	51	47	51	48	64	43	54	44	52	46	51	45
18	79	53	47	52	47	52	48	52	48	55	46	54	45	52	46	52	47
19	80	60	53	57	52	56	51	55	51	69	53	64	52	60	51	57	50
20	81	66	56	61	56	59	55	58	54	77	55	69	56	64	56	59	54
21	82	64	55	60	56	59	56	58	55	73	54	67	55	62	56	59	55
22	83	69	58	64	58	61	57	61	56	81	57	73	58	67	58	61	57
23	84	64	60	62	60	61	60	61	59	68	59	65	60	63	60	61	59
24	85	69	61	65	61	63	59	61	58	79	60	72	61	67	60	62	59
25	86	69	56	65	57	61	58	61	58	76	53	70	55	66	57	61	58
26	87	72	59	68	59	63	59	63	58	82	59	75	58	69	58	63	58
27	88	72	63	67	63	64	59	63	58	79	61	72	63	67	62	64	59
28	89	68	60	66	61	64	61	63	60	73	58	69	59	66	60	63	60
29	90	69	61	66	62	63	60	63	59	75	60	70	62	66	60	63	59
30	91	74	64	69	63	66	61	65	60	83	64	76	64	70	63	65	60
31	92	74	64	70	64	66	63	65	60	84	62	78	64	71	65	66	63
Sums		1920	1595	1812	1607	1751	1606	1736	1596	2164	1555	1990	1587	1862	1604	1769	1579
Averages		61.9	51.5	58.5	51.8	56.5	51.8	56.0	51.5	69.8	50.2	64.2	51.2	60.1	51.7	57.1	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	62	15	10		0
2	63	8	17		0
3	64	13	12		0
4	65	22	3		0
5	66	21	4		0
6	67	14	11		0
7	68	9	16		0
8	69	12	13		0
9	70	13	12		0
10	71	15	10		0
11	72	13	12		0
12	73	6	19		0
13	74	0	30		5
14	75	0	28		3
15	76	6	19		0
16	77	17	8		0
17	78	19	6		0
18	79	15	10		0
19	80	1	24		0
20	81	2	23		0
21	82	3	22		0
22	83	0	25		0
23	84	1	24		0
24	85	0	28		3
25	86	2	23		0
26	87	4	21		0
27	88	0	32		7
28	89	3	22		0
29	90	0	28		3
30	91	0	35		10
31	92	0	32		7
Sums for month		234	579		38

6273 Accumulated heating degree days since July 1

823 Accumulated growing degree days since Jan. 1

48 Accumulated cooling degree days since Apr. 1