

**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 2003**

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	62	63	45	54	65	31	48	273	513	235	0	0	0	0
2	63	77	38	57	97	39	68	110	337	219	83	0	0	0
3	64	52	37	44	96	74	85	32	263	194	35	0	0	0
4	65	52	33	42	86	34	60	115	670	93	T	0	0	0
5	66	67	41	54	85	24	54	197	621	115	0	0	0	0
6	67	57	44	50	93	44	68	80	189	168	33	0	158	0
7	68	76	47	61	94	44	69	121	525	207	0	0	60	143
8	69	61	48	54	94	69	81	61	324	248	5	0	20	128
9	70	63	43	53	88	48	68	118	354	261	T	0	8	107
10	71	65	44	54	90	40	65	161	559	257	0	0	9	173
11	72	73	50	61	90	53	71	179	482	270	0	0	13	139
12	73	75	50	62	*	*	*	*	*	*	152	0	82	202
13	74	53	42	47	92	64	78	59	193	176	24	0	92	56
14	75	49	41	45	92	79	85	49	167	155	6	0	66	88
15	76	56	39	47	96	54	75	62	284	208	1	0	10	99
16	77	64	45	54	95	50	72	103	393	182	12	0	26	136
17	78	64	44	54	97	66	81	41	215	176	14	0	16	7
18	79	66	50	58	91	52	71	128	585	255	0	0	32	193
19	80	72	44	58	90	25	57	209	693	97	0	0	19	262
20	81	76	52	64	69	20	44	327	681	110	0	0	18	299
21	82	74	44	59	95	29	62	186	348	256	33	0	116	210
22	83	55	40	47	85	44	64	118	610	183	0	0	21	223
23	84	62	46	54	91	33	62	167	645	137	0	0	16	210
24	85	65	51	58	97	59	78	95	346	277	21	0	32	160
25	86	60	50	55	97	89	93	18	162	142	49	0	5	24
26	87	67	51	59	97	57	77	50	310	200	34	0	9	133
27	88	55	40	47	98	79	88	25	158	143	37	0	10	350
28	89	67	44	55	98	49	73	80	603	258	0	0	22	150
29	90	68	53	60	86	49	67	151	460	260	6	0	6	195
30	91	71	54	62	92	45	68	174	451	226	0	0	4	162
31	92	67	52	59	94	47	70	144	439	254	0	0	3	171
Sums		1992	1402	1688	2730	1490	2102	3633	12580	5962	545	0	873	4020
Average		64.3	45.2	54.5	91.0	49.7	70.1	.121	419.3	198.7	.18	.0	28.2	.130

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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	70	49	65	47	58	0	56	49	72	50	65	48	61	48	57	48
2	63	71	50	65	50	59	52	58	51	73	49	67	51	62	52	59	52
3	64	58	39	56	41	55	45	56	47	59	40	56	42	56	44	56	46
4	65	64	38	60	40	56	45	54	47	64	38	60	41	57	44	54	46
5	66	69	43	64	43	57	45	55	46	72	44	66	44	61	44	56	46
6	67	55	44	54	44	53	46	52	47	57	44	54	44	54	45	52	46
7	68	68	48	63	46	57	46	55	47	68	48	63	46	59	46	56	46
8	69	65	49	62	50	58	51	56	50	65	49	62	50	60	51	57	50
9	70	65	44	62	46	58	50	56	50	65	44	62	46	60	49	57	50
10	71	71	48	67	49	60	49	58	50	74	49	68	50	62	49	59	51
11	72	74	54	69	51	62	52	60	52	77	53	71	53	65	52	61	51
12	73	59	45	57	46	56	49	57	49	59	45	58	57	57	48	57	49
13	74	53	46	53	46	53	48	54	48	53	45	53	46	53	47	53	48
14	75	59	41	57	43	54	47	54	48	59	41	57	43	55	46	54	47
15	76	66	49	62	48	57	48	56	48	66	50	61	46	59	48	56	47
16	77	58	49	57	48	56	50	55	50	60	47	58	49	57	50	56	49
17	78	68	53	65	51	60	50	58	50	68	53	64	51	61	50	59	50
18	79	74	49	70	50	63	54	60	54	75	50	70	51	65	53	61	54
19	80	75	51	71	52	63	54	60	54	77	52	71	53	67	55	62	54
20	81	66	51	64	51	61	54	60	54	70	49	66	51	63	53	61	54
21	82	67	45	65	47	60	50	59	52	67	44	65	46	61	49	59	51
22	83	72	50	68	51	62	50	60	52	75	50	69	50	64	51	61	52
23	84	67	54	64	54	61	54	59	54	70	53	66	54	62	54	60	54
24	85	62	53	61	52	59	54	58	54	63	51	61	52	61	53	59	53
25	86	68	54	65	54	61	54	60	54	69	53	65	54	62	53	60	53
26	87	62	47	59	47	59	51	58	52	62	45	60	47	59	50	58	51
27	88	74	51	70	51	62	51	61	52	74	51	70	51	65	52	61	51
28	89	74	53	70	54	63	55	62	56	75	52	70	53	65	55	63	55
29	90	74	56	69	55	63	56	62	56	76	59	70	55	66	55	63	55
30	91	72	56	70	56	64	57	63	57	74	55	70	56	67	57	64	57
31	92	61	48	61	49	60	53	61	54	61	47	61	49	61	51	61	53
Sums		2061	1507	1965	1512	1830	1520	1793	1584	2099	1500	1979	1529	1887	1554	1812	1569
Averages		66.5	48.6	63.4	48.8	59.0	49.0	57.8	51.1	67.7	48.4	63.8	49.3	60.9	50.1	58.5	50.6

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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	11	14		0
2	63	8	17		0
3	64	21	4		0
4	65	23	2		0
5	66	11	14		0
6	67	15	10		0
7	68	4	21		0
8	69	11	14		0
9	70	12	13		0
10	71	11	14		0
11	72	4	21		0
12	73	3	22		0
13	74	18	7		0
14	75	20	5		0
15	76	18	7		0
16	77	11	14		0
17	78	11	14		0
18	79	7	18		0
19	80	7	18		0
20	81	1	24		0
21	82	6	19		0
22	83	18	7		0
23	84	11	14		0
24	85	7	18		0
25	86	10	15		0
26	87	6	19		0
27	88	18	7		0
28	89	10	15		0
29	90	5	20		0
30	91	3	22		0
31	92	6	19		0
Sums for month		327	448		0
7359	Accumulated heating degree days since July 1				
697	Accumulated growing degree days since Jan. 1				
4	Accumulated cooling degree days since Apr. 1				