

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 1993

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		TOTAL	DIFF				
1	123	71	50	60	100	56	78	114	425	236	0	0	43	152
2	124	80	57	68	100	48	74	178	583	162	17	0	62	277
3	125	69	60	64	100	78	89	65	184	168	20	0	111	39
4	126	82	64	73	100	68	84	130	412	248	6	0	64	157
5	127	82	64	73	100	48	74	211	640	151	0	0	39	252
6	128	91	64	77	100	48	74	249	613	227	0	0	72	313
7	129	95	71	83	100	42	71	327	564	243	0	0	72	357
8	130	90	73	81	100	52	76	262	504	261	0	0	36	244
9	131	89	68	78	100	60	80	191	448	260	14	0	46	260
10	132	87	74	80	100	64	82	184	493	210	28	0	59	256
11	133	87	65	76	100	58	79	188	568	196	0	0	65	311
12	134	87	68	77	100	46	73	258	625	153	39	0	54	356
13	135	80	58	69	100	54	77	163	556	181	0	0	78	302
14	136	81	60	70	100	48	74	190	634	136	0	0	58	277
15	137	80	61	70	100	64	82	132	267	171	15	0	56	68
16	138	75	58	66	90	48	69	198	602	158	0	0	110	309
17	139	77	54	65	100	40	70	191	634	130	0	0	130	356
18	140	73	50	61	100	46	73	150	674	91	0	0	84	278
19	141	81	62	71	100	36	68	251	578	108	16	0	54	259
20	142	74	64	69	100	98	99	7	143	129	24	0	54	48
21	143	80	59	69	100	52	76	201	496	202	0	0	114	247
22	144	76	57	66	90	54	72	179	565	167	0	0	122	309
23	145	74	59	66	94	48	71	185	572	154	0	0	134	310
24	146	78	57	67	100	48	74	178	577	138	0	0	101	315
25	147	81	54	67	100	48	74	178	556	143	0	0	51	218
26	148	83	66	74	100	42	71	243	537	223	0	0	58	278
27	149	87	68	77	100	84	92	77	218	176	44	0	144	143
28	150	81	63	72	100	68	84	125	327	208	15	0	77	177
29	151	89	68	78	100	51	75	230	531	202	10	0	55	284
30	152	82	61	71	100	54	77	180	472	210	39	0	86	296
31	153	69	62	65	100	98	99	6	178	165	20	0	91	11
SUMS		2511	1919	2203	3074	1749	2411	5421	15176	5607	307	0	2380	7459
AVERAGE		81.0	61.9	71.1	99.2	56.4	77.8	0.175	489.5	180.9	0.10	0.0	76.8	0.241

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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	74	58	71	61	68	62	66	62	83	54	76	56	71	60	67	62
2	124	78	63	75	62	70	62	67	62	93	64	84	61	76	60	70	62
3	125	67	61	67	61	66	62	66	62	71	59	68	60	67	62	66	62
4	126	76	64	73	64	69	62	67	62	84	64	78	63	74	63	69	63
5	127	82	67	78	66	73	65	70	65	96	66	86	67	80	66	73	66
6	128	84	70	80	69	75	67	72	67	101	72	91	70	83	68	75	67
7	129	86	73	83	72	77	70	74	69	103	73	93	74	86	73	77	70
8	130	87	74	83	73	78	73	75	71	102	75	92	75	85	74	78	72
9	131	86	71	82	71	78	72	75	71	98	69	89	71	83	72	78	72
10	132	84	73	81	72	77	71	75	71	97	73	87	72	82	72	77	72
11	133	84	71	82	72	78	72	75	71	99	68	90	71	84	72	77	72
12	134	88	71	85	72	79	72	76	71	106	71	95	71	87	72	79	71
13	135	83	67	80	69	76	70	74	70	96	63	88	66	82	69	76	70
14	136	84	68	81	69	76	69	74	70	101	67	91	68	83	69	78	70
15	137	78	67	76	68	73	69	72	69	87	63	82	66	78	68	74	68
16	139	80	64	78	66	73	67	71	68	93	60	86	63	81	66	75	67
17	140	83	64	80	66	75	67	72	68	98	59	88	63	83	66	76	67
18	141	85	67	82	67	76	68	73	68	101	68	91	66	84	66	78	68
19	142	74	68	72	69	71	68	70	69	78	66	74	67	73	68	72	68
20	143	79	64	77	66	73	67	71	68	91	61	85	63	78	66	74	67
21	144	78	63	76	65	73	66	71	67	91	60	83	63	78	65	74	66
22	145	80	65	76	66	72	66	70	67	90	62	83	65	79	65	74	66
23	146	82	66	78	66	74	67	72	66	94	62	86	64	80	67	74	67
24	147	84	66	80	66	76	67	73	67	98	62	89	66	83	68	76	68
25	148	85	69	81	68	76	67	73	68	99	69	91	68	84	68	76	69
26	149	74	67	73	68	72	68	71	68	78	66	75	66	74	68	72	68
27	150	76	67	74	66	72	68	71	68	88	63	79	65	75	67	72	68
28	151	85	69	82	68	76	68	73	68	100	68	91	69	83	68	76	68
29	152	80	67	79	68	75	70	73	69	94	65	87	66	81	68	75	69
30	153	73	66	72	66	70	68	70	67	76	63	73	65	71	66	70	67
31	138	79	64	77	65	74	67	72	68	92	60	85	63	80	65	74	67
SUMS		2498	2074	2414	2087	2291	2097	2224	2097	2878	2015	2636	2053	2468	2087	2302	2099
AVERAGES		80.6	66.9	77.9	67.3	73.9	67.6	71.7	67.6	92.8	65.0	85.0	66.2	79.6	67.3	74.3	67.7

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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	5	20		0
2	124	0	28		3
3	125	1	24		0
4	126	0	33		8
5	127	0	33		8
6	128	0	37		12
7	129	0	43		18
8	130	0	41		16
9	131	0	38		13
10	132	0	40		15
11	133	0	36		11
12	134	0	37		12
13	135	0	29		4
14	136	0	30		5
15	137	0	30		5
16	138	0	26		1
17	139	0	25		0
18	140	4	21		0
19	141	0	31		6
20	142	0	29		4
21	143	0	29		4
22	144	0	26		1
23	145	0	26		1
24	146	0	27		2
25	147	0	27		2
26	148	0	34		9
27	149	0	37		12
28	150	0	32		7
29	151	0	38		13
30	152	0	31		6
31	153	0	25		0
SUMS FOR MONTH		10	963		198
10	ACCUMULATED HEATING DEGREE DAYS SINCE JULY 1				
2422	ACCUMULATED GROWING DEGREE DAYS SINCE JAN. 1				
286	ACCUMULATED COOLING DEGREE DAYS SINCE APR. 1				