

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 SEPTEMBER 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	185	92	62	77	100	52	76	222	350	199	24	0	83	212
2	186	76	52	64	100	48	74	155	486	78	0	0	63	218
3	187	77	60	68	100	78	89	212	217	179	71	0	91	72
4	188	84	63	73	100	68	84	134	265	208	10	0	84	147
5	189	76	57	66	100	58	79	134	402	189	0	0	55	174
6	190	77	60	68	100	54	77	157	332	106	6	0	51	90
7	191	77	55	66	100	68	84	102	125	106	30	0	61	89
8	192	68	49	58	100	46	73	130	365	190	0	0	38	114
9	193	71	52	61	100	58	79	116	365	160	0	0	48	101
10	194	73	55	64	100	61	80	119	326	196	12	0	97	129
11	195	68	47	57	100	60	80	96	273	130	13	0	113	87
12	196	62	48	55	100	54	77	100	310	181	T	0	94	161
13	197	69	52	60	99	48	73	134	282	109	0	0	110	242
14	198	87	63	75	100	45	72	219	426	138	0	0	91	228
15	199	86	64	75	98	50	74	225	426	129	0	0	135	160
16	200	80	47	63	100	70	85	89	86	69	18	0	98	59
17	201	56	48	52	100	84	92	31	119	112	0	0	33	17
18	202	60	56	58	100	86	93	34	135	123	0	0	45	24
19	203	62	48	55	100	66	83	74	148	123	T	0	74	28
20	204	56	34	45	100	36	68	95	462	82	0	0	93	210
21	205	55	38	46	100	50	75	78	213	172	0	0	55	60
22	206	59	45	52	100	84	92	31	181	160	0	0	48	61
23	207	69	49	59	100	50	75	125	402	78	6	0	50	126
24	208	66	46	56	100	80	90	45	108	82	35	0	101	79
25	209	64	39	51	100	44	72	108	426	75	0	0	75	150
26	210	67	42	54	100	44	72	117	350	108	57	0	109	128
27	211	73	39	56	100	60	80	90	175	127	6	0	93	132
28	212	57	49	53	100	82	91	36	65	53	54	0	109	13
29	213	60	42	51	100	56	78	82	177	129	6	0	103	77
30	214	52	37	44	100	64	82	52	227	144	6	0	71	78
SUMS		2079	1498	1782	2997	1804	2399	3342	8224	3935	354	0	2371	3466
AVERAGE		69.3	49.9	59.4	99.9	60.1	80.0	0.111	274.1	131.2	0.12	0.0	79.0	0.116

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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	185	84	70	80	71	77	71	75	71	99	67	90	68	84	70	77	70
2	186	81	64	78	66	75	67	74	68	92	59	86	62	80	66	76	68
3	187	73	65	72	66	71	67	70	68	85	64	78	64	74	66	71	68
4	188	77	68	75	68	73	68	72	68	85	63	79	65	76	68	72	68
5	189	78	64	76	65	73	66	72	68	87	57	81	61	76	64	73	65
6	190	76	65	74	66	71	66	70	67	88	62	81	63	75	64	71	65
7	191	72	62	70	63	69	65	69	66	77	57	73	60	70	62	68	64
8	192	73	60	71	61	69	63	68	64	81	52	76	56	72	60	68	62
9	193	70	60	69	61	68	62	67	63	83	55	75	59	71	60	68	61
10	194	69	62	68	61	67	62	67	64	81	58	74	59	71	60	68	63
11	195	68	55	67	57	66	59	66	61	73	48	69	52	67	55	66	58
12	196	65	54	64	57	63	58	63	60	72	49	67	52	64	55	63	58
13	197	64	55	63	56	62	58	62	58	77	53	69	54	65	55	63	57
14	198	72	60	70	60	67	61	66	60	90	61	82	61	75	61	69	61
15	199	75	64	72	64	70	64	68	64	91	66	83	64	77	64	71	65
16	200	70	59	69	60	68	61	67	63	76	53	72	56	70	59	68	61
17	201	63	59	63	59	63	60	64	61	62	54	62	56	62	58	63	60
18	202	65	59	64	60	64	60	63	61	68	57	66	59	65	60	63	60
19	203	64	56	63	57	63	59	63	60	67	50	64	53	64	56	63	58
20	204	66	50	64	52	63	56	63	57	76	42	71	46	67	51	63	55
21	205	58	52	59	53	59	55	60	57	62	48	60	49	60	52	60	54
22	206	61	54	60	54	60	57	61	57	66	48	64	51	62	54	61	56
23	207	68	55	66	55	63	56	62	57	82	54	75	54	69	54	64	56
24	208	63	53	63	55	62	57	62	58	66	47	64	50	64	54	63	57
25	209	66	51	64	53	62	56	62	57	76	44	70	47	65	52	62	55
26	210	65	53	63	54	61	55	61	57	77	50	70	50	65	52	62	55
27	211	65	57	64	58	65	57	62	58	72	55	68	56	65	58	62	57
28	212	61	54	61	55	61	56	61	56	60	50	60	51	61	54	62	56
29	213	59	50	58	52	59	53	59	54	62	42	60	45	59	49	59	53
30	214	58	48	58	50	57	51	58	53	60	40	58	43	57	47	57	51
SUMS		2049	1738	2008	1769	1971	1806	1957	1836	2293	1605	2147	1666	2052	1740	1976	1797
AVERAGES		68.3	57.9	66.9	59.0	65.7	60.2	65.2	61.2	76.4	53.5	71.6	55.5	68.4	58.0	65.9	59.9

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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	185	0	37		12
2	186	1	24		0
3	187	0	28		3
4	188	0	33		8
5	189	0	26		1
6	190	0	28		3
7	191	0	26		1
8	192	7	18		0
9	193	4	21		0
10	194	1	24		0
11	195	8	17		0
12	196	10	15		0
13	197	5	20		0
14	198	0	35		10
15	199	0	35		10
16	200	2	23		0
17	201	13	12		0
18	202	7	18		0
19	203	10	15		0
20	204	20	5		0
21	205	19	6		0
22	206	13	12		0
23	207	6	19		0
24	208	9	16		0
25	209	14	11		0
26	210	11	14		0
27	211	9	16		0
28	212	12	13		0
29	213	14	11		0
30	214	21	4		0
SUMS FOR MONTH		216	582		48
254	ACCUMULATED HEATING DEGREE DAYS SINCE JULY 1				
3916	ACCUMULATED GROWING DEGREE DAYS SINCE JAN. 1				
499	ACCUMULATED COOLING DEGREE DAYS SINCE APR. 1				