

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 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	215	49	32	40	100	50	75	62	317	130	0	0	71	49
2	216	58	32	45	74	40	57	128	323	102	11	0	206	278
3	217	54	40	47	100	40	70	97	40	35	24	0	40	38
4	218	56	43	49	96	48	72	101	294	144	T	0	139	119
5	219	64	36	50	100	56	78	79	121	88	30	0	102	67
6	220	53	35	44	100	44	72	80	320	120	0	0	83	94
7	221	62	36	49	100	46	73	94	282	162	0	0	96	108
8	222	80	51	65	100	44	72	179	344	71	0	0	61	132
9	223	79	54	66	100	46	73	172	334	91	0	0	69	27
10	224	66	32	49	100	66	83	59	66	60	24	0	134	143
11	225	66	29	47	100	40	70	100	364	72	0	0	78	106
12	226	52	30	41	100	40	70	77	344	46	10	0	147	114
13	227	56	34	45	100	56	78	66	120	88	T	0	110	46
14	228	44	27	35	100	44	72	59	280	115	0	0	68	6
15	229	54	28	41	100	56	78	56	328	107	0	0	80	125
16	230	59	35	47	100	68	84	52	208	113	2	0	74	*
17	231	69	51	60	100	56	78	114	212	126	35	0	154	*
18	232	61	47	54	100	80	90	42	62	55	33	0	160	*
19	233	56	36	46	100	50	75	78	281	86	0	0	98	*
20	234	56	40	48	100	48	74	87	183	141	0	0	44	*
21	235	55	47	51	100	98	99	4	62	61	12	0	164	*
22	236	60	41	50	100	46	73	98	122	80	7	0	184	*
23	237	50	36	43	100	50	75	69	162	103	0	0	128	*
24	238	53	38	45	52	40	46	167	300	52	0	0	60	*
25	239	71	43	57	100	30	65	162	246	82	0	0	117	*
26	240	54	36	45	100	56	78	66	284	45	0	0	56	*
27	241	60	43	51	100	62	81	74	204	91	T	0	193	*
28	242	54	37	45	100	88	94	19	66	64	5	0	77	*
29	243	47	38	42	100	54	77	62	186	119	0	0	84	*
30	244	56	34	45	100	46	73	80	116	111	0	0	84	*
31	245	39	32	35	100	68	84	34	56	55	24	T	45	*
SUMS		1793	1173	1477	3022	1656	2339	2617	6627	2815	217	0	3206	1452
AVERAGE		57.8	37.8	47.6	97.5	53.4	75.5	0.084	213.8	90.8	0.07	0.0	103.4	96.8

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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	57	44	56	46	56	48	56	50	60	34	57	38	56	43	56	48
2	216	54	45	54	46	54	48	55	51	63	40	58	40	57	42	55	48
3	217	55	47	54	48	55	50	55	52	55	42	55	45	55	48	55	50
4	218	55	48	54	49	54	50	55	51	59	45	56	46	56	48	55	50
5	219	56	44	55	47	55	49	55	50	61	37	58	39	58	44	56	48
6	220	55	45	54	46	54	48	54	50	60	37	56	40	54	44	54	48
7	221	56	46	55	46	54	48	54	50	64	43	59	42	58	45	56	47
8	222	63	51	60	50	58	51	58	52	77	51	70	50	64	50	59	51
9	223	66	56	64	56	61	56	60	56	80	54	73	55	67	56	61	56
10	224	60	46	60	48	59	50	59	51	62	37	61	41	60	45	59	50
11	225	55	42	54	44	54	47	54	49	59	33	56	37	54	42	54	46
12	226	52	43	51	44	52	47	52	48	59	36	57	38	54	41	53	46
13	227	52	44	52	45	52	47	52	48	56	36	55	40	54	44	53	47
14	228	51	39	51	41	51	44	51	46	56	31	53	35	53	39	51	43
15	229	51	40	50	41	50	44	50	46	59	32	55	35	52	39	50	43
16	230	53	43	52	44	52	45	52	47	62	41	57	41	55	43	54	45
17	231	56	48	55	48	54	49	54	49	66	48	60	47	59	48	56	48
18	232	57	51	56	52	56	52	56	52	60	47	58	49	58	51	56	52
19	233	57	46	56	47	55	49	55	50	62	39	59	43	58	46	57	49
20	234	55	46	54	48	54	49	54	50	60	43	57	44	55	46	54	48
21	235	54	50	54	50	54	50	54	50	56	48	55	48	55	50	55	50
22	236	56	44	55	46	55	48	55	49	58	38	58	31	57	44	56	48
23	237	51	43	51	44	51	46	52	48	55	37	51	40	52	43	52	46
24	238	54	43	52	44	52	46	52	48	60	39	56	40	54	43	52	46
25	239	53	45	52	45	52	46	52	48	64	42	59	43	56	44	55	46
26	240	56	44	54	45	53	47	53	48	64	39	60	42	58	45	55	47
27	241	53	45	52	46	52	47	52	48	60	43	57	43	56	45	54	47
28	242	53	45	52	46	52	48	52	48	56	40	55	42	55	45	54	47
29	243	52	44	51	45	51	46	51	47	54	40	53	42	53	44	52	46
30	244	50	42	50	43	50	45	51	46	54	38	53	40	53	43	53	45
31	245	47	41	47	42	48	44	49	45	47	35	47	38	48	41	49	43
SUMS		1695	1400	1667	1432	1660	1484	1664	1523	1868	1245	1774	1294	1734	1391	1691	1474
AVERAGES		54.7	45.2	53.8	46.2	53.5	47.9	53.7	49.1	60.3	40.2	57.2	41.7	55.9	44.9	54.5	47.5

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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	25	0		0
2	216	20	5		0
3	217	18	7		0
4	218	16	9		0
5	219	15	10		0
6	220	21	4		0
7	221	16	9		0
8	222	0	25		0
9	223	0	26		1
10	224	16	9		0
11	225	18	7		0
12	226	24	1		0
13	227	20	5		0
14	228	30	0		0
15	229	24	1		0
16	230	18	7		0
17	231	5	20		0
18	232	11	14		0
19	233	19	6		0
20	234	17	8		0
21	235	14	11		0
22	236	15	10		0
23	237	22	3		0
24	238	20	5		0
25	239	8	17		0
26	240	20	5		0
27	241	14	11		0
28	242	20	5		0
29	243	23	2		0
30	244	20	5		0
31	245	30	0		0
SUMS FOR MONTH		539	247		1
793	ACCUMULATED	HEATING DEGREE	DAYS SINCE JULY 1		
4163	ACCUMULATED	GROWING DEGREE	DAYS SINCE JAN. 1		
500	ACCUMULATED	COOLING DEGREE	DAYS SINCE APR. 1		