

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

FEBRUARY 1991

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	338	22	17	19	100	42	71	30	230	99	T	2	0	0
2	339	31	17	24	64	34	49	63	239	83	0	0	0	0
3	340	48	29	38	88	26	57	98	244	45	0	0	0	0
4	341	57	36	46	82	26	54	143	253	35	0	0	0	0
5	342	62	41	51	85	20	52	186	256	54	0	0	0	0
6	343	53	35	44	100	78	89	32	95	88	0	0	0	0
7	344	41	35	38	100	92	96	9	59	58	19	0	0	0
8	345	40	34	37	100	80	90	22	28	27	T	0	0	0
9	346	47	34	40	92	44	68	79	218	93	0	0	0	0
10	347	44	29	36	100	68	84	34	236	111	T	T	0	0
11	348	35	19	27	100	44	72	40	180	137	T	T	0	0
12	349	23	3	13	100	80	90	7	187	127	4	10	0	0
13	350	26	4	15	100	48	74	21	268	131	1	5	0	0
14	351	33	26	29	100	46	73	44	179	161	13	20	0	0
15	352	35	22	28	100	54	77	34	74	72	13	10	0	0
16	353	22	2	12	86	46	66	24	159	156	T	T	0	0
17	354	26	5	15	78	38	58	36	281	142	T	T	0	0
18	355	32	19	25	100	56	78	30	164	157	T	T	0	0
19	356	36	24	30	100	58	79	34	134	131	17	0	0	0
20	357	48	35	41	100	86	93	18	48	47	7	0	0	0
21	358	36	27	31	100	52	76	43	73	69	0	0	0	0
22	359	52	33	42	100	44	72	74	257	115	0	0	0	0
23	360	46	11	28	100	50	75	38	168	129	T	T	0	0
24	361	24	11	17	100	48	74	24	315	102	T	T	0	0
25	362	38	24	31	100	42	71	50	226	159	T	T	0	0
26	363	34	22	28	100	46	73	40	240	153	0	0	0	0
27	364	34	15	24	100	52	76	30	194	152	T	T	0	0
28	365	29	16	22	100	40	70	31	272	147	3	10	0	0
SUMS		1054	625	831	2675	1440	2057	1314	5277	2980	77	57	0	0
AVERAGE		37.6	22.3	29.7	95.5	51.4	73.5	0.047	188.5	106.4	0.03	0.2	0.0	0.000

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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	338	33	31	33	32	34	32	35	33	33	31	34	32	34	32	35	33
2	339	32	31	32	32	33	32	35	33	32	31	32	31	34	32	34	32
3	340	32	31	32	32	34	32	34	33	32	31	33	32	34	32	34	33
4	341	32	31	33	32	34	33	35	33	33	31	33	32	34	32	34	33
5	342	32	32	33	32	34	32	35	34	38	32	36	32	35	33	34	33
6	343	34	32	34	32	36	33	36	34	46	36	43	36	40	35	38	34
7	344	37	34	37	33	37	35	37	35	40	36	39	37	38	37	38	36
8	345	37	36	37	36	38	36	38	37	39	35	38	36	38	36	38	37
9	346	42	35	41	35	39	36	39	37	48	33	44	34	42	36	39	37
10	347	40	35	40	36	39	36	39	37	45	33	42	34	40	36	38	36
11	348	38	33	38	34	38	35	38	36	40	32	38	33	38	34	38	36
12	349	33	32	34	33	35	34	37	35	33	31	33	32	35	33	36	35
13	350	33	32	34	33	34	33	35	34	32	31	33	32	34	33	35	34
14	351	33	32	33	32	34	33	35	34	33	32	33	32	34	33	35	34
15	352	34	33	34	33	34	34	35	34	33	32	34	33	34	33	35	34
16	353	33	33	34	33	34	34	35	34	33	32	34	33	34	33	35	34
17	354	33	32	33	32	34	33	35	33	33	32	34	32	34	33	35	34
18	355	33	32	33	33	35	33	35	34	33	32	33	33	34	33	35	34
19	356	33	32	33	33	34	33	35	34	33	31	33	32	34	33	35	33
20	357	38	33	37	33	37	34	36	34	41	32	39	33	37	33	37	34
21	358	37	33	37	34	37	35	37	35	38	32	37	32	37	34	38	35
22	359	41	34	40	34	38	35	38	35	47	33	43	33	40	34	38	35
23	360	39	32	38	34	38	34	38	35	41	31	40	33	39	34	39	35
24	361	35	32	35	32	36	34	36	34	36	30	36	32	35	33	36	34
25	362	33	31	34	32	35	33	36	34	33	30	33	31	34	32	36	33
26	363	35	31	34	32	35	33	36	34	36	31	35	31	35	33	36	33
27	364	36	32	35	32	35	33	36	34	37	31	35	32	35	32	36	33
28	365	34	32	34	32	35	33	36	33	33	31	34	32	34	32	35	33
SUMS		982	909	982	923	996	943	1012	962	1031	895	1011	917	1006	936	1012	957
AVERAGES		35.1	32.5	35.1	33.0	35.6	33.7	36.1	34.4	36.8	32.0	36.1	32.8	35.9	33.4	36.1	34.2

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MO. DAY	CL. DAY	WIND SPEED (MPH)		WIND DIRECTION (DEGREES)		WIND CONSTANCY INDEX	SINGER STEADINESS INDEX
		MEAN SCALAR	MEAN VECTOR	VECTOR	MEAN RANGE		
1	338	14.26	13.78	280	29	0.966	0.834
2	339	9.06	5.14	100	110	0.567	0.384
3	340	4.64	4.49	260	28	0.969	0.842
4	341	7.36	7.02	260	34	0.954	0.806
5	342	6.80	6.79	260	3	0.999	0.980
6	343	5.02	4.87	280	27	0.971	0.846
7	344	4.73	3.97	260	66	0.838	0.633
8	345	7.08	6.77	310	34	0.956	0.810
9	346	5.34	4.93	230	45	0.923	0.749
10	347	9.45	8.84	290	41	0.936	0.771
11	348	8.71	7.59	310	58	0.872	0.674
12	349	10.33	9.82	310	35	0.951	0.800
13	350	4.28	4.28	280	1	1.000	0.990
14	351	8.54	658.06	260	89	77.020	0.500
15	352	7.44	658.07	100	89	88.450	0.500
16	353	14.57	14.19	290	26	0.974	0.855
17	354	10.37	8.75	250	64	0.844	0.640
18	355	4.06	4.01	250	18	0.986	0.895
19	356	13.00	12.11	110	42	0.932	0.763
20	357	11.01	7.79	250	90	0.707	0.500
21	358	3.18	2.55	250	72	0.804	0.595
22	359	3.21	3.17	250	17	0.988	0.902
23	360	17.10	15.75	310	45	0.921	0.745
24	361	7.55	4.29	130	110	0.568	0.385
25	362	7.94	1.76	230	154	0.222	0.142
26	363	5.20	4.95	20	35	0.952	0.801
27	364	5.39	3.79	290	90	0.703	0.497
28	365	7.90	7.81	250	17	0.988	0.901

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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	338	46	0	-5	0
2	339	41	0	9	0
3	340	27	0		0
4	341	19	6		0
5	342	14	11		0
6	343	21	4		0
7	344	27	0		0
8	345	28	0		0
9	346	25	0		0
10	347	29	0		0
11	348	38	0	14	0
12	349	52	0	-5	0
13	350	50	0	12	0
14	351	36	0	17	0
15	352	37	0	19	0
16	353	53	0	-14	0
17	354	50	0	-2	0
18	355	40	0	21	0
19	356	35	0	13	0
20	357	24	1		0
21	358	34	0		0
22	359	23	2		0
23	360	37	0	4	0
24	361	48	0	6	0
25	362	34	0		0
26	363	37	0	24	0
27	364	41	0	19	0
28	365	43	0	10	0
SUMS FOR MONTH		989	24		0
4626	ACCUMULATED HEATING DEGREE DAYS SINCE JULY 1				
24	ACCUMULATED GROWING DEGREE DAYS SINCE JAN. 1				
457	ACCUMULATED COOLING DEGREE DAYS SINCE APR. 1				