

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

JANUARY 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	307	22	15	18	90	56	73	25	158	63	0	0	0	0
2	308	31	21	26	88	56	72	38	111	105	0	0	0	0
3	309	37	19	28	100	50	75	38	136	97	4	5	0	0
4	310	29	15	22	90	56	73	30	135	75	T	T	0	0
5	311	29	15	22	58	40	49	58	181	45	0	0	0	0
6	312	32	22	27	100	42	71	42	86	84	1	0	0	0
7	313	31	21	26	100	60	80	27	60	59	3	5	0	0
8	314	21	-5	8	100	92	96	2	114	98	2	20	0	0
9	315	28	-1	13	100	46	73	21	185	50	T	T	0	0
10	316	37	26	31	100	68	84	29	37	36	T	T	0	0
11	317	26	9	17	88	38	63	34	118	98	T	T	0	0
12	318	32	12	22	100	90	95	6	39	38	93	50	0	0
13	319	37	17	27	100	90	95	8	44	43	T	T	0	0
14	320	24	12	18	96	60	78	21	191	73	0	0	0	0
15	321	38	21	29	100	78	89	18	67	66	T	T	0	0
16	322	43	32	37	100	68	84	36	114	98	16	0	0	0
17	323	42	33	37	100	96	98	5	45	44	17	0	0	0
18	324	34	26	30	100	66	83	28	83	82	3	10	0	0
19	325	33	27	30	100	50	75	41	151	104	0	0	0	0
20	326	46	31	38	90	36	63	84	188	73	0	0	0	0
21	327	38	9	23	100	84	92	10	76	75	6	15	0	0
22	328	10	1	5	92	68	80	10	146	133	T	T	0	0
23	329	18	2	10	90	46	68	20	204	99	0	0	0	0
24	330	32	17	24	100	52	76	30	96	94	T	T	0	0
25	331	23	6	14	100	44	72	22	174	118	T	T	0	0
26	332	18	2	10	100	42	71	18	212	86	T	T	0	0
27	333	24	12	18	78	46	62	35	142	133	0	0	0	0
28	334	34	20	27	100	36	68	46	239	52	2	5	0	0
29	335	40	24	32	96	26	61	70	244	36	0	0	0	0
30	336	40	22	31	100	58	79	36	192	116	7	10	0	0
31	337	26	20	23	100	84	92	9	79	78	1	5	0	0
SUMS		955	503	723	2956	1824	2390	897	4047	2451	155	125	0	0
AVERAGE		30.8	16.2	23.3	95.4	58.8	77.1	0.029	130.5	79.1	0.05	0.4	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	307	38	35	38	35	39	36	40	37	36	32	36	34	38	35	39	36
2	308	35	33	36	34	37	36	38	37	34	32	35	33	36	34	38	36
3	309	35	33	36	34	37	35	38	36	34	32	35	33	36	34	38	35
4	310	35	33	36	34	36	34	38	35	34	32	35	33	36	34	36	35
5	311	34	32	35	33	36	34	37	35	34	31	34	33	35	33	37	35
6	312	34	32	34	32	36	34	37	35	33	32	34	32	35	33	36	34
7	313	35	33	35	33	36	34	37	35	34	32	34	32	35	33	36	34
8	314	35	33	35	33	36	34	37	35	34	32	34	32	35	33	36	34
9	315	34	33	34	33	35	34	36	34	33	32	34	33	35	33	36	34
10	316	35	34	35	34	36	34	36	35	34	32	34	33	35	33	36	34
11	317	35	33	35	33	36	34	36	35	34	32	34	33	35	34	36	34
12	318	33	32	34	32	35	34	36	35	33	31	34	32	34	33	35	34
13	319	34	32	34	33	35	34	36	35	34	32	34	32	35	34	36	34
14	320	34	33	34	33	35	33	36	34	34	32	34	32	35	33	36	34
15	321	34	33	34	33	35	34	36	34	34	32	34	32	35	33	36	34
16	322	35	33	35	33	36	34	36	35	34	32	34	33	35	33	36	34
17	323	35	33	35	33	35	34	36	34	33	32	34	32	35	33	36	34
18	324	34	33	35	34	35	34	37	34	33	32	34	32	35	33	36	34
19	325	34	33	35	34	35	34	36	35	34	32	34	33	35	33	36	34
20	326	35	33	35	34	35	34	36	35	33	32	34	33	35	34	36	34
21	327	35	32	35	33	35	33	36	34	34	31	34	32	34	33	36	34
22	328	33	32	34	32	35	34	36	34	33	32	34	33	35	33	36	34
23	329	33	31	33	32	34	33	35	33	33	31	34	32	34	32	35	33
24	330	33	32	33	32	34	33	35	34	33	32	34	32	34	33	35	33
25	331	33	32	33	32	34	33	35	34	33	31	33	32	34	33	35	34
26	332	32	31	33	31	34	32	34	33	32	31	33	32	34	32	35	33
27	333	32	31	32	31	33	32	34	33	32	30	33	31	33	32	34	33
28	334	33	30	33	31	34	32	35	33	33	30	34	30	34	32	35	32
29	335	33	32	33	31	34	32	35	33	33	30	34	32	34	32	34	32
30	336	33	31	33	32	34	32	35	33	33	31	34	32	34	32	35	32
31	337	33	31	34	31	34	32	35	33	33	30	34	31	34	32	35	33
SUMS		1056	1004	1066	1015	1091	1042	1120	1067	1038	977	1056	1001	1079	1024	1112	1050
AVERAGES		34.1	32.4	34.4	32.7	35.2	33.6	36.1	34.4	33.5	31.5	34.1	32.3	34.8	33.0	35.9	33.9

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JANUARY 1991

MO. DAY	CL. DAY	WIND SPEED (MPH)		WIND DIRECTION (DEGREES)		WIND CONSTANCY INDEX	SINGER STEADINESS INDEX
		MEAN SCALAR	MEAN VECTOR	VECTOR	MEAN RANGE		
1	307	*	*	*	*	*	*
2	308	10.46	12.20	180	54	1.166	0.698
3	309	7.06	5.04	320	88	0.715	0.507
4	310	6.23	5.50	280	55	0.883	0.689
5	311	7.10	6.86	260	30	0.966	0.833
6	312	7.96	6.49	260	70	0.816	0.607
7	313	5.17	4.07	300	76	0.786	0.576
8	314	3.99	3.57	20	53	0.893	0.703
9	315	13.22	11.94	160	50	0.903	0.717
10	316	10.49	5.70	200	114	0.544	0.366
11	317	8.67	5.49	20	101	0.634	0.437
12	318	16.03	15.28	160	35	0.953	0.804
13	319	9.77	7.80	290	74	0.798	0.588
14	320	7.50	6.30	280	65	0.841	0.636
15	321	6.30	6.36	260	15	1.009	0.914
16	322	5.64	5.57	100	17	0.988	0.902
17	323	9.12	3.53	260	134	0.387	0.253
18	324	10.86	10.23	280	39	0.942	0.783
19	325	12.71	12.11	280	35	0.953	0.803
20	326	9.82	8.33	260	64	0.848	0.644
21	327	9.94	8.33	350	66	0.838	0.633
22	328	8.70	8.39	310	30	0.964	0.829
23	329	8.46	6.17	230	86	0.729	0.520
24	330	14.91	11.62	230	77	0.779	0.569
25	331	3.19	3.03	270	36	0.951	0.800
26	332	3.20	3.32	290	30	1.039	0.831
27	333	9.15	8.58	250	40	0.938	0.774
28	334	12.93	10.70	250	68	0.827	0.620
29	335	6.14	4.83	250	76	0.786	0.575
30	336	6.52	5.18	250	74	0.795	0.585
31	337	6.06	5.73	310	37	0.946	0.789

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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	307	47	0		0
2	308	39	0	9	0
3	309	37	0	19	0
4	310	43	0	14	0
5	311	43	0	12	0
6	312	38	0	16	0
7	313	39	0	21	0
8	314	57	0	5	0
9	315	52	0	-10	0
10	316	34	0		0
11	317	48	0	3	0
12	318	43	0	-3	0
13	319	38	0	12	0
14	320	47	0	7	0
15	321	36	0	22	0
16	322	28	0		0
17	323	28	0		0
18	324	35	0	15	0
19	325	35	0	13	0
20	326	27	0		0
21	327	42	0	6	0
22	328	60	0	-10	0
23	329	55	0	-4	0
24	330	41	0	0	0
25	331	51	0	12	0
26	332	55	0	8	0
27	333	47	0	2	0
28	334	38	0	7	0
29	335	33	0		0
30	336	34	0		0
31	337	42	0	16	0
SUMS FOR MONTH		1292	0		0
3637	ACCUMULATED	HEATING DEGREE	DAYS SINCE JULY 1		
0	ACCUMULATED	GROWING DEGREE	DAYS SINCE JAN. 1		
457	ACCUMULATED	COOLING DEGREE	DAYS SINCE APR. 1		