

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 NOVEMBER 1990

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		GM CAL/CM2 TOTAL	DIFF				
1	246	54	35	44	100	44	72	80	260	48	0	0	0	0
2	247	66	46	56	100	52	76	108	227	79	0	0	0	0
3	248	72	55	63	58	24	41	351	152	125	0	0	0	0
4	249	72	53	62	88	48	68	178	188	83	0	0	0	0
5	250	69	34	51	100	48	74	101	129	117	21	0	0	0
6	251	57	35	46	100	58	79	65	42	43	35	0	0	0
7	252	44	34	39	84	50	67	78	175	86	T	0	0	0
8	253	39	31	35	100	82	91	18	38	36	4	T	0	0
9	254	37	24	30	100	54	77	38	175	88	0	0	0	0
10	255	41	28	34	100	48	74	51	119	101	84	0	0	0
11	256	40	32	36	100	70	85	32	40	38	15	0	0	0
12	257	39	28	33	100	52	76	47	87	85	24	20	0	0
13	258	34	25	29	100	44	72	46	164	109	6	30	0	0
14	259	33	27	30	96	48	72	46	225	84	0	0	0	0
15	260	55	31	43	86	44	65	97	206	58	0	0	0	0
16	261	70	53	61	68	32	50	277	214	31	0	0	0	0
17	262	69	38	53	100	40	70	125	180	73	1	0	0	0
18	263	40	26	33	100	78	89	20	82	66	0	0	0	0
19	264	34	22	28	100	50	75	38	215	36	0	0	0	0
20	265	34	27	30	100	70	85	25	68	66	0	0	0	0
21	266	44	32	38	100	68	84	36	123	95	0	0	0	0
22	267	47	34	40	90	56	73	66	165	85	0	0	0	0
23	268	55	40	47	100	54	77	76	60	56	53	0	0	0
24	269	57	33	45	100	72	86	42	148	62	0	0	0	0
25	270	48	30	39	100	24	62	90	99	76	0	0	0	0
26	271	52	29	40	100	55	77	54	146	81	0	0	0	0
27	272	48	32	40	90	60	75	62	185	30	4	0	0	0
28	273	60	47	53	86	68	77	96	37	36	0	0	0	0
29	274	73	36	54	88	44	66	142	126	80	0	0	0	0
30	275	40	28	34	100	50	75	49	168	46	0	0	0	0
SUMS		1523	1025	1266	2834	1587	2210	2534	4243	2099	247	50	0	0
AVERAGE		50.8	34.2	42.2	94.5	52.9	73.7	0.084	141.4	70.0	0.08	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	246	51	44	50	45	49	46	49	47	57	39	54	42	51	44	49	46
2	247	53	45	52	46	50	47	50	48	60	42	56	43	53	45	51	47
3	248	54	48	52	48	51	49	51	50	58	46	55	47	53	48	52	49
4	249	56	51	55	51	54	51	53	51	62	49	59	50	56	51	54	51
5	250	56	48	55	49	54	50	53	52	59	43	57	46	55	48	54	50
6	251	49	47	50	48	50	49	52	50	49	43	49	45	49	47	50	49
7	252	47	43	48	44	49	46	50	47	46	37	47	40	48	42	50	46
8	253	45	40	45	42	46	44	47	46	42	35	43	37	44	40	46	44
9	254	43	37	44	39	44	41	46	43	42	32	42	35	43	38	44	42
10	255	41	37	41	39	42	41	44	43	39	32	39	35	41	38	42	41
11	256	42	38	42	40	43	42	44	43	42	34	42	37	42	39	43	42
12	257	40	38	41	39	42	41	43	42	40	34	40	36	40	38	42	41
13	258	39	39	40	39	41	40	42	42	34	34	37	36	38	38	41	40
14	259	39	39	40	39	41	40	42	42	34	34	36	35	38	37	40	40
15	260	40	38	40	39	41	40	42	41	38	34	38	35	38	37	40	40
16	261	48	39	46	39	45	40	45	42	56	38	51	37	47	38	45	40
17	262	51	45	49	45	48	45	48	45	57	42	54	44	50	46	48	45
18	263	45	39	46	40	47	42	47	44	44	34	44	36	46	39	47	42
19	264	42	36	42	37	43	40	44	42	42	33	41	35	41	37	42	40
20	265	38	35	39	37	40	39	42	40	34	33	35	34	37	36	40	39
21	266	40	35	40	36	40	38	41	40	40	33	39	34	39	36	40	39
22	267	43	38	42	39	42	40	43	41	46	35	44	37	42	38	42	40
23	268	45	41	45	42	44	41	45	43	47	41	46	41	45	41	44	41
24	269	48	40	47	42	46	43	46	44	52	36	50	38	47	41	46	43
25	270	42	39	42	40	43	41	44	42	40	35	40	37	41	39	43	41
26	271	43	37	43	38	43	40	43	42	45	34	44	36	43	38	43	40
27	272	42	37	42	38	42	40	42	42	45	34	43	36	42	38	42	40
28	273	46	41	45	41	45	41	45	42	49	42	47	41	46	41	45	41
29	274	51	43	50	44	48	44	48	44	56	40	53	42	50	44	48	44
30	275	44	37	44	39	46	41	46	43	43	33	44	36	44	38	46	41
SUMS		1363	1214	1357	1244	1359	1282	1377	1323	1398	1111	1369	1163	1349	1220	1359	1284
AVERAGES		45.4	40.5	45.2	41.5	45.3	42.7	45.9	44.1	46.6	37.0	45.6	38.8	45.0	40.7	45.3	42.8

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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	246	*	*	*	*	*	*
2	247	4.43	3.99	180	51	0.902	0.716
3	248	8.83	7.96	180	51	0.902	0.715
4	249	6.85	6.71	180	23	0.979	0.871
5	250	8.97	6.04	310	95	0.673	0.470
6	251	8.95	2.61	230	146	0.291	0.188
7	252	13.61	13.01	280	34	0.956	0.811
8	253	8.19	8.01	280	24	0.978	0.866
9	254	7.10	6.48	300	48	0.912	0.731
10	255	10.04	9.19	120	47	0.915	0.736
11	256	10.83	9.50	290	57	0.877	0.681
12	257	12.69	12.07	280	35	0.951	0.801
13	258	13.96	12.97	300	43	0.929	0.758
14	259	11.53	11.18	300	28	0.970	0.843
15	260	5.85	5.55	290	36	0.950	0.797
16	261	8.86	8.55	250	30	0.965	0.830
17	262	11.80	9.01	270	80	0.763	0.553
18	263	10.04	9.36	340	42	0.932	0.765
19	264	6.31	6.12	360	28	0.970	0.843
20	265	5.51	5.43	320	19	0.986	0.894
21	266	5.59	5.49	290	21	0.983	0.883
22	267	7.79	4.32	250	112	0.555	0.375
23	268	8.39	8.55	110	21	1.019	0.878
24	269	7.41	5.18	250	91	0.699	0.493
25	270	9.00	6.45	250	88	0.717	0.509
26	271	9.49	8.84	290	42	0.931	0.761
27	272	10.26	9.19	110	52	0.896	0.707
28	273	13.48	13.57	250	13	1.007	0.927
29	274	13.30	9.23	250	92	0.695	0.489
30	275	9.77	9.46	290	29	0.968	0.838

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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	246	21	4		0
2	247	9	16		0
3	248	2	23		0
4	249	3	22		0
5	250	14	11		0
6	251	19	6		0
7	252	26	0		0
8	253	30	0		0
9	254	35	0	22	0
10	255	31	0		0
11	256	29	0		0
12	257	32	0		0
13	258	36	0	10	0
14	259	35	0	14	0
15	260	22	3		0
16	261	4	21		0
17	262	12	13		0
18	263	32	0		0
19	264	37	0	21	0
20	265	35	0	25	0
21	266	27	0		0
22	267	25	0		0
23	268	18	7		0
24	269	20	5		0
25	270	26	0		0
26	271	25	0		0
27	272	25	0		0
28	273	12	13		0
29	274	11	14		0
30	275	31	0		0
SUMS FOR MONTH		684	158		0
1334	ACCUMULATED HEATING DEGREE DAYS SINCE JULY 1				
4546	ACCUMULATED GROWING DEGREE DAYS SINCE JAN. 1				
457	ACCUMULATED COOLING DEGREE DAYS SINCE APR. 1				