

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

December 2010

| Mo. Day | Cl. Day | Air Temp. F | | | Rel. Hum. Pct | | | VPD | Solar Rad | | PPT | Snow | Mi.Wind | Pan |
|------------|------------|-------------|------|------|---------------|------|------|---------------|--------------------------|-------------|-------------|--------|-----------------|-------|
| | | Max | Min | Avg | Max | Min | Avg | Thou In/Hg | Gm Cal/Cm2 Total Diff | Hund Ins | Tnth Ins | 1.5 Ft | Thou In Evap | |
| 1 | 276 | 57 | 40 | 48 | 100 | 88 | 94 | 2 | 19 | 18 | 116 | 0 | 0 | 0 |
| 2 | 277 | 40 | 27 | 33 | 100 | 87 | 93 | 1 | 98 | 85 | 86 | 10 | 0 | 0 |
| 3 | 278 | 34 | 26 | 30 | 92 | 78 | 85 | 2 | 163 | 56 | 0 | 0 | 0 | 0 |
| 4 | 279 | 33 | 27 | 30 | 100 | 68 | 84 | 2 | 91 | 81 | 5 | 2 | 0 | 0 |
| 5 | 280 | 31 | 21 | 26 | 97 | 75 | 86 | 1 | 113 | 98 | 1 | 1 | 0 | 0 |
| 6 | 281 | 28 | 21 | 24 | 100 | 84 | 92 | 1 | 108 | 97 | 8 | 42 | 0 | 0 |
| 7 | 282 | 24 | 21 | 22 | 99 | 79 | 89 | 1 | 90 | 84 | 2 | 5 | 0 | 0 |
| 8 | 283 | 26 | 19 | 22 | 100 | 83 | 91 | 1 | 91 | 84 | 1 | 5 | 0 | 0 |
| 9 | 284 | 23 | 12 | 17 | 94 | 66 | 80 | 2 | 132 | 84 | 0 | 0 | 0 | 0 |
| 10 | 285 | 21 | 6 | 13 | 94 | 63 | 78 | 2 | 182 | 50 | 0 | 0 | 0 | 0 |
| 11 | 286 | 33 | 20 | 26 | 93 | 68 | 80 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | 287 | 39 | 31 | 35 | 100 | 76 | 88 | 3 | 90 | 82 | 2 | 0 | 0 | 0 |
| 13 | 288 | 44 | 25 | 34 | 100 | 79 | 89 | 1 | 112 | 103 | 11 | 0 | 0 | 0 |
| 14 | 289 | 25 | 9 | 17 | 97 | 73 | 85 | 1 | 132 | 125 | 1 | 5 | 0 | 0 |
| 15 | 290 | 16 | 8 | 12 | 97 | 75 | 86 | 1 | 164 | 73 | T | T | 0 | 0 |
| 16 | 291 | 24 | 14 | 19 | 94 | 74 | 84 | 2 | 62 | 57 | 0 | 0 | 0 | 0 |
| 17 | 292 | 29 | 21 | 25 | 94 | 58 | 76 | 3 | 130 | 123 | T | 5 | 0 | 0 |
| 18 | 293 | 31 | 22 | 26 | 97 | 69 | 83 | 3 | 175 | 84 | T | T | 0 | 0 |
| 19 | 294 | 32 | 11 | 21 | 95 | 44 | 69 | 3 | 155 | 113 | 0 | 0 | 0 | 0 |
| 20 | 295 | 28 | 13 | 20 | 94 | 66 | 80 | 2 | 47 | 45 | 0 | 0 | 0 | 0 |
| 21 | 296 | 29 | 23 | 26 | 97 | 81 | 89 | 2 | 157 | 94 | 0 | 0 | 0 | 0 |
| 22 | 297 | 28 | 21 | 24 | 93 | 77 | 85 | 2 | 160 | 77 | 0 | 0 | 0 | 0 |
| 23 | 298 | 25 | 23 | 24 | 100 | 87 | 93 | 1 | 208 | 112 | 2 | 3 | 0 | 0 |
| 24 | 299 | 25 | 21 | 23 | 95 | 84 | 89 | 2 | 173 | 134 | 0 | 0 | 0 | 0 |
| 25 | 300 | 25 | 22 | 23 | 94 | 78 | 86 | 2 | 204 | 69 | 0 | 0 | 0 | 0 |
| 26 | 301 | 24 | 18 | 21 | 98 | 90 | 94 | 1 | 58 | 53 | 0 | 0 | 0 | 0 |
| 27 | 302 | 19 | 15 | 17 | 92 | 83 | 87 | 1 | 116 | 106 | 0 | 0 | 0 | 0 |
| 28 | 303 | 27 | 16 | 21 | 94 | 75 | 84 | 2 | 138 | 130 | 0 | 0 | 0 | 0 |
| 29 | 304 | 31 | 26 | 28 | 90 | 74 | 82 | 2 | 103 | 95 | 0 | 0 | 0 | 0 |
| 30 | 305 | 29 | 14 | 21 | 100 | 82 | 91 | 1 | 113 | 106 | 0 | 0 | 0 | 0 |
| 31 | 306 | 40 | 18 | 29 | 96 | 63 | 79 | 4 | 158 | 130 | 0 | 0 | 0 | 0 |
| Sums | | 920 | 611 | 757 | 2986 | 2327 | 2651 | 57 | 3742 | 2648 | 235 | 78 | 0 | 0 |
| Average | | 29.7 | 19.7 | 24.4 | 96.3 | 75.1 | 85.5 | 0.002 | 120.7 | 85.4 | 0.08 | 0.3 | 0.0 | 0.000 |

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

December 2010

| | | 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 | 276 | 49 | 37 | 47 | 36 | 45 | 36 | 43 | 37 | 50 | 37 | 48 | 36 | 46 | 36 | 43 | 36 |
| 2 | 277 | 40 | 26 | 40 | 28 | 41 | 30 | 41 | 31 | 40 | 24 | 41 | 26 | 42 | 28 | 42 | 30 |
| 3 | 278 | 30 | 23 | 31 | 25 | 33 | 27 | 35 | 28 | 29 | 23 | 30 | 24 | 32 | 26 | 34 | 27 |
| 4 | 279 | 27 | 22 | 27 | 23 | 28 | 24 | 29 | 26 | 27 | 22 | 27 | 22 | 27 | 24 | 29 | 27 |
| 5 | 280 | 26 | 22 | 27 | 23 | 27 | 24 | 28 | 25 | 24 | 20 | 25 | 21 | 26 | 23 | 28 | 24 |
| 6 | 281 | 26 | 22 | 26 | 22 | 27 | 24 | 28 | 25 | 24 | 21 | 25 | 21 | 27 | 23 | 28 | 24 |
| 7 | 282 | 24 | 21 | 25 | 22 | 26 | 23 | 27 | 24 | 23 | 20 | 24 | 20 | 25 | 22 | 27 | 23 |
| 8 | 283 | 25 | 21 | 26 | 22 | 26 | 23 | 28 | 24 | 23 | 20 | 25 | 21 | 26 | 22 | 27 | 23 |
| 9 | 284 | 24 | 17 | 24 | 18 | 25 | 19 | 26 | 20 | 23 | 16 | 23 | 17 | 25 | 18 | 26 | 19 |
| 10 | 285 | 31 | 15 | 31 | 16 | 33 | 17 | 34 | 18 | 31 | 14 | 31 | 15 | 32 | 16 | 33 | 17 |
| 11 | 286 | 32 | 28 | 32 | 28 | 34 | 29 | 35 | 30 | 31 | 27 | 31 | 27 | 33 | 28 | 34 | 29 |
| 12 | 287 | 32 | 23 | 32 | 24 | 33 | 25 | 34 | 26 | 30 | 22 | 31 | 23 | 32 | 24 | 33 | 26 |
| 13 | 288 | 31 | 21 | 32 | 23 | 33 | 25 | 33 | 26 | 30 | 22 | 30 | 23 | 32 | 24 | 33 | 25 |
| 14 | 289 | 22 | 17 | 23 | 18 | 25 | 21 | 26 | 22 | 22 | 16 | 23 | 19 | 25 | 21 | 26 | 22 |
| 15 | 290 | 20 | 14 | 21 | 14 | 23 | 16 | 24 | 17 | 20 | 14 | 22 | 15 | 23 | 16 | 25 | 17 |
| 16 | 291 | 19 | 15 | 20 | 16 | 22 | 18 | 23 | 19 | 19 | 16 | 21 | 17 | 22 | 18 | 23 | 19 |
| 17 | 292 | 23 | 15 | 23 | 16 | 25 | 18 | 26 | 19 | 23 | 15 | 24 | 16 | 25 | 18 | 26 | 18 |
| 18 | 293 | 26 | 17 | 26 | 17 | 28 | 19 | 29 | 20 | 26 | 17 | 26 | 18 | 28 | 19 | 28 | 20 |
| 19 | 294 | 28 | 14 | 29 | 14 | 30 | 16 | 31 | 17 | 28 | 14 | 29 | 14 | 30 | 16 | 30 | 16 |
| 20 | 295 | 24 | 15 | 25 | 16 | 27 | 17 | 27 | 18 | 24 | 15 | 25 | 16 | 26 | 17 | 27 | 18 |
| 21 | 296 | 20 | 16 | 21 | 16 | 22 | 18 | 23 | 18 | 20 | 16 | 22 | 16 | 23 | 18 | 24 | 18 |
| 22 | 297 | 20 | 15 | 21 | 15 | 22 | 16 | 23 | 17 | 20 | 14 | 21 | 15 | 22 | 16 | 23 | 17 |
| 23 | 298 | 20 | 13 | 21 | 14 | 22 | 15 | 23 | 16 | 20 | 13 | 21 | 14 | 22 | 15 | 23 | 16 |
| 24 | 299 | 20 | 15 | 21 | 15 | 21 | 16 | 23 | 17 | 20 | 15 | 21 | 15 | 22 | 17 | 23 | 17 |
| 25 | 300 | 21 | 15 | 22 | 15 | 23 | 17 | 24 | 17 | 21 | 15 | 22 | 15 | 23 | 17 | 24 | 17 |
| 26 | 301 | 24 | 16 | 25 | 16 | 26 | 18 | 28 | 18 | 25 | 16 | 25 | 16 | 26 | 18 | 27 | 18 |
| 27 | 302 | 24 | 13 | 25 | 14 | 25 | 15 | 27 | 16 | 25 | 14 | 25 | 14 | 26 | 16 | 27 | 16 |
| 28 | 303 | 19 | 14 | 20 | 15 | 21 | 17 | 23 | 17 | 20 | 15 | 21 | 15 | 22 | 16 | 23 | 17 |
| 29 | 304 | 21 | 17 | 22 | 17 | 23 | 19 | 25 | 19 | 22 | 17 | 23 | 17 | 23 | 18 | 24 | 19 |
| 30 | 305 | 22 | 17 | 22 | 17 | 24 | 19 | 24 | 19 | 22 | 17 | 23 | 18 | 24 | 18 | 25 | 19 |
| 31 | 306 | 30 | 21 | 30 | 21 | 31 | 23 | 32 | 24 | 30 | 21 | 30 | 22 | 31 | 23 | 31 | 23 |
| Sums | | 800 | 577 | 817 | 596 | 851 | 644 | 882 | 670 | 792 | 568 | 815 | 588 | 848 | 631 | 876 | 657 |
| Averages | | 25.8 | 18.6 | 26.4 | 19.2 | 27.5 | 20.8 | 28.5 | 21.6 | 25.5 | 18.3 | 26.3 | 19.0 | 27.4 | 20.4 | 28.3 | 21.2 |

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

December 2010

| MO. Day | Cl. Day | Heating Degrees Base 65F | Growing Degrees Base 40F | Mean (SCALAR) Wind Chill Index | Cooling Degrees Base 65F |
|----------------|------------|-----------------------------|-----------------------------|-----------------------------------|-----------------------------|
| 1 | 276 | 17 | 8 | | 0 |
| 2 | 277 | 32 | 0 | | 0 |
| 3 | 278 | 35 | 0 | | 0 |
| 4 | 279 | 35 | 0 | | 0 |
| 5 | 280 | 39 | 0 | | 0 |
| 6 | 281 | 41 | 0 | | 0 |
| 7 | 282 | 43 | 0 | | 0 |
| 8 | 283 | 43 | 0 | | 0 |
| 9 | 284 | 48 | 0 | | 0 |
| 10 | 285 | 52 | 0 | | 0 |
| 11 | 286 | 39 | 0 | | 0 |
| 12 | 287 | 30 | 0 | | 0 |
| 13 | 288 | 31 | 0 | | 0 |
| 14 | 289 | 48 | 0 | | 0 |
| 15 | 290 | 53 | 0 | | 0 |
| 16 | 291 | 46 | 0 | | 0 |
| 17 | 292 | 40 | 0 | | 0 |
| 18 | 293 | 39 | 0 | | 0 |
| 19 | 294 | 44 | 0 | | 0 |
| 20 | 295 | 45 | 0 | | 0 |
| 21 | 296 | 39 | 0 | | 0 |
| 22 | 297 | 41 | 0 | | 0 |
| 23 | 298 | 41 | 0 | | 0 |
| 24 | 299 | 42 | 0 | | 0 |
| 25 | 300 | 42 | 0 | | 0 |
| 26 | 301 | 44 | 0 | | 0 |
| 27 | 302 | 48 | 0 | | 0 |
| 28 | 303 | 44 | 0 | | 0 |
| 29 | 304 | 37 | 0 | | 0 |
| 30 | 305 | 44 | 0 | | 0 |
| 31 | 306 | 36 | 0 | | 0 |
| Sums for month | | 1258 | 8 | | 0 |

1904 Accumulated heating degree days since July 1

4752 Accumulated growing degree days since Jan. 1

667 Accumulated cooling degree days since Apr. 1