

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

May

2009

| 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 | 62 | 66 | 39 | 52 | 96 | 46 | 71 | 132 | 339 | 221 | 6 | 0 | 0 | 0 |
| 2 | 63 | 73 | 40 | 56 | 100 | 46 | 73 | 98 | 476 | 198 | 14 | 0 | 0 | 0 |
| 3 | 64 | 61 | 42 | 51 | 86 | 37 | 61 | 187 | 441 | 240 | 0 | 0 | 0 | 0 |
| 4 | 65 | 66 | 41 | 53 | 87 | 26 | 56 | 203 | 387 | 311 | 0 | 0 | 0 | 0 |
| 5 | 66 | 62 | 38 | 50 | 88 | 24 | 56 | 181 | 278 | 236 | 0 | 0 | 0 | 179 |
| 6 | 67 | 64 | 44 | 54 | 96 | 51 | 73 | 104 | 398 | 235 | 0 | 0 | 0 | 124 |
| 7 | 68 | 67 | 51 | 59 | 100 | 57 | 78 | 82 | 214 | 190 | 70 | 0 | 0 | 232 |
| 8 | 69 | 63 | 51 | 57 | 100 | 81 | 90 | 25 | 437 | 210 | 8 | 0 | 0 | 20 |
| 9 | 70 | 75 | 55 | 65 | 100 | 52 | 76 | 89 | 423 | 209 | 4 | 0 | 0 | 274 |
| 10 | 71 | 75 | 45 | 60 | 90 | 52 | 71 | 106 | 206 | 182 | 5 | 0 | 0 | 222 |
| 11 | 72 | 49 | 36 | 42 | 98 | 59 | 78 | 49 | 636 | 188 | 0 | 0 | 0 | 79 |
| 12 | 73 | 58 | 38 | 48 | 87 | 32 | 59 | 139 | 616 | 177 | 0 | 0 | 0 | 202 |
| 13 | 74 | 63 | 37 | 50 | 89 | 23 | 56 | 171 | 551 | 164 | 0 | 0 | 0 | 232 |
| 14 | 75 | 71 | 44 | 57 | 99 | 26 | 62 | 245 | 293 | 185 | 15 | 0 | 0 | 334 |
| 15 | 76 | 72 | 43 | 57 | 98 | 29 | 63 | 141 | 541 | 139 | 5 | 0 | 0 | 136 |
| 16 | 77 | 69 | 51 | 60 | 89 | 48 | 68 | 180 | 266 | 208 | 0 | 0 | 0 | 270 |
| 17 | 78 | 71 | 38 | 54 | 100 | 66 | 83 | 74 | 535 | 244 | 129 | 0 | 0 | 208 |
| 18 | 79 | 55 | 37 | 46 | 81 | 31 | 56 | 121 | 665 | 84 | 0 | 0 | 0 | 198 |
| 19 | 80 | 56 | 33 | 44 | 87 | 24 | 55 | 127 | 644 | 97 | 0 | 0 | 0 | 220 |
| 20 | 81 | 74 | 43 | 58 | 84 | 16 | 50 | 272 | 630 | 123 | 0 | 0 | 0 | 256 |
| 21 | 82 | 85 | 54 | 69 | 71 | 21 | 46 | 441 | 649 | 74 | 0 | 0 | 0 | 322 |
| 22 | 83 | 87 | 59 | 73 | 77 | 17 | 47 | 452 | 540 | 275 | 0 | 0 | 0 | 364 |
| 23 | 84 | 73 | 47 | 60 | 100 | 61 | 80 | 109 | 495 | 254 | 0 | 0 | 0 | 274 |
| 24 | 85 | 78 | 53 | 65 | 97 | 55 | 76 | 138 | 547 | 208 | T | 0 | 0 | 204 |
| 25 | 86 | 76 | 50 | 63 | 86 | 34 | 60 | 209 | 653 | 108 | 0 | 0 | 0 | 275 |
| 26 | 87 | 64 | 38 | 51 | 93 | 41 | 67 | 171 | 301 | 251 | 0 | 0 | 0 | 258 |
| 27 | 88 | 66 | 44 | 55 | 100 | 48 | 74 | 67 | 457 | 311 | 35 | 0 | 0 | 81 |
| 28 | 89 | 74 | 52 | 63 | 100 | 73 | 86 | 58 | 305 | 251 | 10 | 0 | 0 | 212 |
| 29 | 90 | 76 | 61 | 68 | 100 | 81 | 90 | 43 | 298 | 203 | 39 | 0 | 0 | 166 |
| 30 | 91 | 67 | 54 | 60 | 100 | 72 | 86 | 63 | 603 | 132 | 2 | 0 | 0 | 185 |
| 31 | 92 | 67 | 50 | 58 | 97 | 35 | 66 | 159 | 660 | 102 | 8 | 0 | 0 | 307 |
| Sums | | 2123 | 1408 | 1758 | 2876 | 1364 | 2113 | 4636 | 14484 | 6010 | 350 | 0 | 0 | 5834 |
| Average | | 68.5 | 45.4 | 56.7 | 92.8 | 44.0 | 68.2 | .150 | 467.2 | 193.9 | .11 | .0 | .0 | .188 |

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 April 2009

| | | 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 | 32 | 54 | 26 | 49 | 28 | 42 | 31 | 41 | 33 | 52 | 27 | 47 | 29 | 44 | 31 | 41 | 33 |
| 2 | 33 | 47 | 32 | 44 | 34 | 41 | 37 | 41 | 38 | 46 | 34 | 43 | 35 | 42 | 37 | 41 | 38 |
| 3 | 34 | 61 | 39 | 55 | 37 | 46 | 38 | 44 | 39 | 58 | 38 | 53 | 37 | 49 | 38 | 44 | 38 |
| 4 | 35 | 53 | 31 | 50 | 33 | 47 | 37 | 45 | 38 | 52 | 33 | 50 | 34 | 48 | 37 | 46 | 38 |
| 5 | 36 | 37 | 26 | 37 | 28 | 38 | 32 | 39 | 34 | 37 | 27 | 37 | 29 | 38 | 32 | 39 | 33 |
| 6 | 37 | 55 | 31 | 50 | 30 | 42 | 33 | 41 | 34 | 54 | 31 | 49 | 31 | 44 | 32 | 41 | 34 |
| 7 | 38 | 52 | 26 | 48 | 28 | 43 | 33 | 42 | 35 | 50 | 28 | 47 | 30 | 45 | 33 | 42 | 34 |
| 8 | 39 | 37 | 23 | 32 | 25 | 35 | 29 | 36 | 30 | 36 | 24 | 35 | 26 | 35 | 28 | 36 | 30 |
| 9 | 40 | 41 | 24 | 38 | 25 | 35 | 29 | 35 | 30 | 40 | 25 | 38 | 26 | 36 | 28 | 35 | 30 |
| 10 | 41 | 54 | 24 | 49 | 26 | 41 | 31 | 38 | 32 | 52 | 25 | 47 | 28 | 43 | 30 | 39 | 31 |
| 11 | 42 | 62 | 27 | 54 | 29 | 43 | 34 | 41 | 35 | 58 | 30 | 50 | 32 | 45 | 34 | 41 | 35 |
| 12 | 43 | 50 | 22 | 46 | 24 | 41 | 30 | 40 | 32 | 52 | 24 | 47 | 27 | 44 | 30 | 41 | 32 |
| 13 | 44 | 47 | 21 | 44 | 24 | 39 | 30 | 38 | 31 | 48 | 24 | 45 | 27 | 42 | 30 | 39 | 31 |
| 14 | 45 | 58 | 23 | 51 | 25 | 41 | 30 | 40 | 31 | 57 | 25 | 50 | 27 | 45 | 30 | 40 | 32 |
| 15 | 46 | 62 | 32 | 55 | 34 | 46 | 36 | 43 | 37 | 60 | 34 | 54 | 35 | 49 | 37 | 44 | 37 |
| 16 | 47 | 66 | 29 | 58 | 32 | 47 | 37 | 44 | 39 | 64 | 31 | 57 | 34 | 51 | 37 | 45 | 39 |
| 17 | 48 | 66 | 30 | 59 | 33 | 48 | 38 | 45 | 39 | 63 | 32 | 57 | 36 | 51 | 38 | 45 | 39 |
| 18 | 49 | 69 | 41 | 62 | 38 | 51 | 40 | 48 | 41 | 67 | 40 | 60 | 39 | 54 | 40 | 49 | 41 |
| 19 | 50 | 65 | 40 | 59 | 41 | 52 | 44 | 49 | 45 | 64 | 41 | 59 | 43 | 54 | 45 | 50 | 45 |
| 20 | 51 | 71 | 44 | 64 | 44 | 53 | 46 | 50 | 46 | 69 | 45 | 62 | 45 | 56 | 46 | 51 | 47 |
| 21 | 52 | 49 | 39 | 48 | 40 | 50 | 42 | 50 | 43 | 48 | 40 | 49 | 41 | 50 | 42 | 50 | 43 |
| 22 | 53 | 64 | 36 | 58 | 39 | 51 | 44 | 49 | 44 | 63 | 38 | 58 | 41 | 54 | 44 | 50 | 44 |
| 23 | 54 | 51 | 33 | 48 | 35 | 46 | 39 | 46 | 40 | 51 | 34 | 49 | 36 | 47 | 39 | 46 | 40 |
| 24 | 55 | 51 | 27 | 48 | 31 | 44 | 36 | 44 | 38 | 51 | 30 | 48 | 33 | 46 | 36 | 44 | 37 |
| 25 | 56 | 71 | 41 | 63 | 39 | 51 | 41 | 51 | 42 | 69 | 40 | 61 | 39 | 55 | 40 | 51 | 42 |
| 26 | 57 | 83 | 54 | 73 | 54 | 59 | 50 | 56 | 49 | 81 | 56 | 72 | 54 | 64 | 52 | 57 | 50 |
| 27 | 58 | 81 | 51 | 72 | 53 | 61 | 55 | 57 | 54 | 79 | 53 | 71 | 55 | 65 | 56 | 58 | 54 |
| 28 | 59 | 85 | 55 | 76 | 56 | 63 | 56 | 59 | 55 | 85 | 56 | 76 | 58 | 68 | 57 | 60 | 56 |
| 29 | 60 | 77 | 36 | 69 | 40 | 62 | 47 | 59 | 49 | 75 | 38 | 68 | 43 | 64 | 47 | 60 | 49 |
| 30 | 61 | 71 | 38 | 66 | 42 | 57 | 49 | 54 | 49 | 71 | 42 | 65 | 46 | 60 | 49 | 55 | 50 |
| Sums | | 1790 | 1001 | 1625 | 1047 | 1415 | 1154 | 1365 | 1182 | 1752 | 1045 | 1604 | 1096 | 1488 | 1155 | 1380 | 1182 |
| Averages | | 59.7 | 33.4 | 54.2 | 34.9 | 47.2 | 38.5 | 45.5 | 39.4 | 58.4 | 34.8 | 53.5 | 36.5 | 49.6 | 38.5 | 46.0 | 39.4 |

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 May 2009

| MO. Day | Cl. Day | Heating Degrees Base 65F | Growing Degrees Base 40F | Mean (SCALAR) Wind Chill Index | Cooling Degrees Base 65F |
|----------------|------------|-----------------------------|-----------------------------|-----------------------------------|-----------------------------|
| 1 | 62 | 13 | 12 | | 0 |
| 2 | 63 | 9 | 16 | | 0 |
| 3 | 64 | 14 | 11 | | 0 |
| 4 | 65 | 12 | 13 | | 0 |
| 5 | 66 | 15 | 10 | | 0 |
| 6 | 67 | 11 | 14 | | 0 |
| 7 | 68 | 6 | 19 | | 0 |
| 8 | 69 | 8 | 17 | | 0 |
| 9 | 70 | 0 | 25 | | 0 |
| 10 | 71 | 5 | 20 | | 0 |
| 11 | 72 | 23 | 2 | | 0 |
| 12 | 73 | 17 | 8 | | 0 |
| 13 | 74 | 15 | 10 | | 0 |
| 14 | 75 | 8 | 17 | | 0 |
| 15 | 76 | 8 | 17 | | 0 |
| 16 | 77 | 5 | 20 | | 0 |
| 17 | 78 | 11 | 14 | | 0 |
| 18 | 79 | 19 | 6 | | 0 |
| 19 | 80 | 21 | 4 | | 0 |
| 20 | 81 | 7 | 18 | | 0 |
| 21 | 82 | 0 | 29 | | 4 |
| 22 | 83 | 0 | 33 | | 8 |
| 23 | 84 | 5 | 20 | | 0 |
| 24 | 85 | 0 | 25 | | 0 |
| 25 | 86 | 2 | 23 | | 0 |
| 26 | 87 | 14 | 11 | | 0 |
| 27 | 88 | 10 | 15 | | 0 |
| 28 | 89 | 2 | 23 | | 0 |
| 29 | 90 | 0 | 28 | | 3 |
| 30 | 91 | 5 | 20 | | 0 |
| 31 | 92 | 7 | 18 | | 0 |
| Sums for month | | 272 | 518 | | 15 |

7031 Accumulated heating degree days since July 1

811 Accumulated growing degree days since Jan. 1

31 Accumulated cooling degree days since Apr. 1