

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

August

2008

| 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 | 154 | 82 | 64 | 73 | 100 | 58 | 79 | 118 | 339 | 275 | 0 | 0 | 77 | 234 |
| 2 | 155 | 80 | 64 | 72 | 99 | 62 | 80 | 157 | 340 | 277 | 11 | 0 | 59 | 317 |
| 3 | 156 | 75 | 62 | 68 | 100 | 73 | 86 | 45 | 473 | 322 | 12 | 0 | 156 | 57 |
| 4 | 157 | 72 | 63 | 67 | 96 | 74 | 85 | 101 | 499 | 145 | 0 | 0 | 12 | 130 |
| 5 | 158 | 79 | 56 | 67 | 100 | 56 | 78 | 122 | 527 | 143 | 0 | 0 | 58 | 186 |
| 6 | 159 | 82 | 62 | 72 | 100 | 63 | 81 | 106 | 410 | 246 | 43 | 0 | 74 | 251 |
| 7 | 160 | 80 | 63 | 71 | 96 | 59 | 77 | 162 | 213 | 129 | 0 | 0 | 107 | 245 |
| 8 | 161 | 76 | 59 | 67 | 96 | 57 | 76 | 114 | 528 | 164 | 0 | 0 | 74 | 191 |
| 9 | 162 | 69 | 57 | 63 | 100 | 76 | 88 | 26 | 468 | 198 | 127 | 0 | 102 | 180 |
| 10 | 163 | 75 | 58 | 66 | 100 | 53 | 76 | 123 | 344 | 233 | 40 | 0 | 58 | 237 |
| 11 | 164 | 74 | 54 | 64 | 100 | 51 | 75 | 94 | 428 | 278 | 24 | 0 | 55 | 215 |
| 12 | 165 | 70 | 56 | 63 | 100 | 66 | 83 | 57 | 392 | 199 | 13 | 0 | 70 | 133 |
| 13 | 166 | 73 | 55 | 64 | 100 | 59 | 79 | 78 | 537 | 116 | 7 | 0 | 83 | 198 |
| 14 | 167 | 75 | 55 | 65 | 100 | 62 | 81 | 54 | 517 | 119 | 11 | 0 | 35 | 137 |
| 15 | 168 | 75 | 57 | 66 | 99 | 52 | 75 | 126 | 441 | 125 | 0 | 0 | 56 | 212 |
| 16 | 169 | 75 | 56 | 65 | 98 | 50 | 74 | 111 | 479 | 213 | 0 | 0 | 69 | 225 |
| 17 | 170 | 77 | 62 | 69 | 96 | 56 | 76 | 140 | 482 | 228 | 0 | 0 | 87 | 284 |
| 18 | 171 | 79 | 60 | 69 | 97 | 56 | 76 | 157 | 471 | 167 | 0 | 0 | 66 | 96 |
| 19 | 172 | 83 | 58 | 70 | 100 | 59 | 79 | 169 | 488 | 149 | 16 | 0 | 95 | 360 |
| 20 | 173 | 65 | 49 | 57 | 100 | 62 | 81 | 68 | 526 | 94 | 0 | 0 | 90 | 73 |
| 21 | 174 | 70 | 50 | 60 | 100 | 57 | 78 | 88 | 501 | 123 | 0 | 0 | 46 | 172 |
| 22 | 175 | 79 | 53 | 66 | 95 | 51 | 73 | 148 | 473 | 181 | 0 | 0 | 54 | 187 |
| 23 | 176 | 84 | 62 | 73 | 92 | 44 | 68 | 201 | 379 | 185 | 0 | 0 | 59 | 349 |
| 24 | 177 | 82 | 62 | 72 | 93 | 59 | 76 | 168 | 354 | 178 | 0 | 0 | 98 | 160 |
| 25 | 178 | 85 | 59 | 72 | 100 | 57 | 78 | 130 | 533 | 68 | 8 | 0 | 102 | 166 |
| 26 | 179 | 68 | 51 | 59 | 100 | 62 | 81 | 69 | 452 | 175 | 0 | 0 | 96 | 182 |
| 27 | 180 | 71 | 47 | 59 | 99 | 36 | 67 | 136 | 177 | 167 | 0 | 0 | 26 | 212 |
| 28 | 181 | 76 | 50 | 63 | 100 | 44 | 72 | 141 | 193 | 186 | 0 | 0 | 75 | 175 |
| 29 | 182 | 70 | 58 | 64 | 100 | 66 | 83 | 69 | 470 | 321 | 70 | 0 | 60 | 144 |
| 30 | 183 | 74 | 60 | 67 | 100 | 83 | 91 | 23 | 502 | 297 | 34 | 0 | 64 | 110 |
| 31 | 184 | 77 | 58 | 67 | 100 | 50 | 75 | 132 | 511 | 344 | 0 | 0 | 84 | 214 |
| Sums | | 2352 | 1780 | 2060 | 3056 | 1813 | 2427 | 3433 | 13447 | 6045 | 416 | 0 | 2247 | 6032 |
| Average | | 75.9 | 57.4 | 66.5 | 98.6 | 58.5 | 78.3 | .111 | 433.8 | 195.0 | .13 | .0 | 72.5 | .195 |

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 Station number 3031840 August 2008

| | | 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 | 154 | 95 | 66 | 88 | 68 | 76 | 70 | 75 | 71 | 94 | 67 | 87 | 69 | 80 | 71 | 75 | 71 |
| 2 | 155 | 91 | 67 | 86 | 68 | 78 | 71 | 75 | 72 | 90 | 68 | 85 | 69 | 81 | 71 | 76 | 72 |
| 3 | 156 | 81 | 63 | 77 | 64 | 74 | 68 | 73 | 70 | 80 | 63 | 77 | 65 | 75 | 68 | 73 | 69 |
| 4 | 157 | 79 | 63 | 77 | 65 | 72 | 68 | 71 | 69 | 80 | 64 | 77 | 66 | 74 | 68 | 72 | 69 |
| 5 | 158 | 91 | 61 | 86 | 64 | 76 | 68 | 73 | 69 | 91 | 63 | 85 | 65 | 79 | 68 | 74 | 69 |
| 6 | 159 | 96 | 69 | 89 | 69 | 78 | 69 | 75 | 70 | 96 | 70 | 89 | 69 | 82 | 69 | 76 | 70 |
| 7 | 160 | 85 | 63 | 82 | 65 | 76 | 70 | 74 | 71 | 89 | 65 | 84 | 67 | 80 | 69 | 75 | 71 |
| 8 | 161 | 90 | 63 | 85 | 65 | 76 | 70 | 73 | 71 | 90 | 64 | 84 | 67 | 79 | 69 | 74 | 70 |
| 9 | 162 | 73 | 59 | 70 | 60 | 70 | 65 | 71 | 66 | 72 | 59 | 70 | 61 | 70 | 63 | 71 | 66 |
| 10 | 163 | 85 | 61 | 80 | 62 | 71 | 65 | 70 | 66 | 84 | 61 | 79 | 63 | 74 | 64 | 70 | 66 |
| 11 | 164 | 84 | 58 | 80 | 60 | 72 | 65 | 70 | 67 | 83 | 59 | 78 | 62 | 74 | 64 | 70 | 66 |
| 12 | 165 | 79 | 61 | 75 | 62 | 69 | 65 | 68 | 67 | 78 | 61 | 74 | 63 | 71 | 65 | 68 | 66 |
| 13 | 166 | 79 | 57 | 75 | 59 | 70 | 63 | 68 | 65 | 77 | 57 | 74 | 59 | 71 | 62 | 69 | 64 |
| 14 | 167 | 82 | 58 | 77 | 60 | 70 | 64 | 68 | 65 | 82 | 59 | 76 | 61 | 72 | 63 | 68 | 65 |
| 15 | 168 | 85 | 61 | 81 | 63 | 72 | 65 | 69 | 66 | 88 | 62 | 82 | 64 | 76 | 65 | 70 | 65 |
| 16 | 169 | 88 | 59 | 83 | 61 | 74 | 67 | 70 | 67 | 88 | 60 | 83 | 63 | 78 | 66 | 72 | 67 |
| 17 | 170 | 88 | 62 | 82 | 63 | 74 | 67 | 71 | 68 | 87 | 63 | 81 | 64 | 76 | 66 | 72 | 68 |
| 18 | 171 | 89 | 63 | 83 | 64 | 75 | 67 | 71 | 68 | 89 | 64 | 83 | 66 | 78 | 67 | 72 | 68 |
| 19 | 172 | 93 | 63 | 86 | 65 | 77 | 69 | 73 | 70 | 92 | 64 | 86 | 66 | 81 | 69 | 75 | 69 |
| 20 | 173 | 81 | 54 | 78 | 57 | 72 | 64 | 71 | 67 | 81 | 56 | 77 | 59 | 74 | 63 | 71 | 66 |
| 21 | 174 | 86 | 55 | 81 | 58 | 72 | 64 | 69 | 66 | 85 | 57 | 80 | 60 | 75 | 63 | 70 | 65 |
| 22 | 175 | 91 | 61 | 84 | 63 | 74 | 65 | 70 | 66 | 90 | 62 | 84 | 64 | 78 | 65 | 72 | 66 |
| 23 | 176 | 93 | 64 | 87 | 65 | 76 | 68 | 72 | 68 | 92 | 65 | 86 | 67 | 79 | 68 | 73 | 68 |
| 24 | 177 | 92 | 64 | 85 | 66 | 77 | 70 | 74 | 71 | 90 | 65 | 85 | 67 | 80 | 69 | 74 | 71 |
| 25 | 178 | 93 | 63 | 87 | 65 | 77 | 70 | 74 | 71 | 92 | 64 | 86 | 67 | 80 | 69 | 75 | 71 |
| 26 | 179 | 81 | 57 | 78 | 59 | 73 | 65 | 72 | 68 | 80 | 57 | 77 | 61 | 75 | 64 | 72 | 67 |
| 27 | 180 | 89 | 55 | 84 | 58 | 73 | 64 | 70 | 67 | 88 | 56 | 83 | 59 | 77 | 63 | 71 | 66 |
| 28 | 181 | 90 | 63 | 84 | 63 | 74 | 65 | 71 | 67 | 89 | 62 | 82 | 63 | 77 | 64 | 72 | 66 |
| 29 | 182 | 76 | 61 | 74 | 62 | 70 | 65 | 69 | 66 | 76 | 61 | 73 | 63 | 71 | 64 | 69 | 65 |
| 30 | 183 | 76 | 62 | 72 | 63 | 68 | 65 | 67 | 65 | 75 | 62 | 71 | 63 | 69 | 64 | 66 | 65 |
| 31 | 184 | 82 | 57 | 78 | 59 | 71 | 63 | 68 | 65 | 81 | 58 | 78 | 60 | 73 | 62 | 69 | 65 |
| Sums | | 2663 | 1893 | 2514 | 1945 | 2277 | 2064 | 2205 | 2105 | 2649 | 1918 | 2496 | 1982 | 2359 | 2045 | 2226 | 2092 |
| Averages | | 85.9 | 61.1 | 81.1 | 62.7 | 73.5 | 66.6 | 71.1 | 67.9 | 85.5 | 61.9 | 80.5 | 63.9 | 76.1 | 66.0 | 71.8 | 67.5 |

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Station number 3031840

August

2008

| MO. Day | Cl. Day | Heating Degrees Base 65F | Growing Degrees Base 40F | Mean (SCALAR) Wind Chill Index | Cooling Degrees Base 65F |
|----------------|------------|-----------------------------|-----------------------------|-----------------------------------|-----------------------------|
| 1 | 154 | 0 | 33 | | 8 |
| 2 | 155 | 0 | 32 | | 7 |
| 3 | 156 | 0 | 28 | | 3 |
| 4 | 157 | 0 | 27 | | 2 |
| 5 | 158 | 0 | 27 | | 2 |
| 6 | 159 | 0 | 32 | | 7 |
| 7 | 160 | 0 | 31 | | 6 |
| 8 | 161 | 0 | 27 | | 2 |
| 9 | 162 | 2 | 23 | | 0 |
| 10 | 163 | 0 | 26 | | 1 |
| 11 | 164 | 1 | 24 | | 0 |
| 12 | 165 | 2 | 23 | | 0 |
| 13 | 166 | 1 | 24 | | 0 |
| 14 | 167 | 0 | 25 | | 0 |
| 15 | 168 | 0 | 26 | | 1 |
| 16 | 169 | 0 | 25 | | 0 |
| 17 | 170 | 0 | 29 | | 4 |
| 18 | 171 | 0 | 29 | | 4 |
| 19 | 172 | 0 | 30 | | 5 |
| 20 | 173 | 8 | 17 | | 0 |
| 21 | 174 | 5 | 20 | | 0 |
| 22 | 175 | 0 | 26 | | 1 |
| 23 | 176 | 0 | 33 | | 8 |
| 24 | 177 | 0 | 32 | | 7 |
| 25 | 178 | 0 | 32 | | 7 |
| 26 | 179 | 6 | 19 | | 0 |
| 27 | 180 | 6 | 19 | | 0 |
| 28 | 181 | 2 | 23 | | 0 |
| 29 | 182 | 1 | 24 | | 0 |
| 30 | 183 | 0 | 27 | | 2 |
| 31 | 184 | 0 | 27 | | 2 |
| Sums for month | | 34 | 820 | | 79 |

43 Accumulated heating degree days since July 1

3390 Accumulated growing degree days since Jan. 1

409 Accumulated cooling degree days since Apr. 1