

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 July 1997

| 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 | 123 | 85 | 63 | 74 | 100 | 45 | 72 | 205 | 614 | 189 | 0 | 0 | 78 | 319 |
| 2 | 124 | 76 | 66 | 71 | 100 | 74 | 87 | 25 | 278 | 202 | 8 | 0 | 91 | 130 |
| 3 | 125 | 81 | 67 | 74 | 100 | 80 | 90 | 32 | 491 | 276 | 0 | 0 | 118 | 232 |
| 4 | 126 | 81 | 62 | 71 | 100 | 67 | 83 | 104 | 345 | 195 | 0 | 0 | 107 | 337 |
| 5 | 127 | 67 | 54 | 60 | 100 | 73 | 86 | 39 | 215 | 150 | 2 | 0 | 129 | 17 |
| 6 | 128 | 74 | 47 | 60 | 100 | 41 | 70 | 135 | 642 | 136 | 0 | 0 | 72 | 108 |
| 7 | 129 | 78 | 56 | 67 | 100 | 33 | 66 | 232 | 630 | 107 | 0 | 0 | 66 | 310 |
| 8 | 130 | 74 | 49 | 61 | 100 | 59 | 79 | 82 | 562 | 225 | 0 | 0 | 66 | 250 |
| 9 | 131 | 75 | 56 | 65 | 100 | 53 | 76 | 81 | 350 | 189 | 65 | 0 | 62 | 188 |
| 10 | 132 | 66 | 54 | 60 | 100 | 79 | 89 | 7 | 215 | 131 | 4 | 0 | 96 | 94 |
| 11 | 133 | 74 | 58 | 66 | 98 | 48 | 73 | 143 | 673 | 66 | 0 | 0 | 78 | 298 |
| 12 | 134 | 79 | 57 | 68 | 100 | 49 | 74 | 136 | 617 | 118 | 0 | 0 | 55 | 166 |
| 13 | 135 | 80 | 63 | 71 | 100 | 57 | 78 | 145 | 619 | 112 | 0 | 0 | 56 | 370 |
| 14 | 136 | 85 | 65 | 75 | 97 | 45 | 71 | 251 | 606 | 136 | 0 | 0 | 67 | 352 |
| 15 | 137 | 90 | 66 | 78 | 100 | 54 | 77 | 208 | 571 | 214 | 0 | 0 | 36 | 276 |
| 16 | 138 | 92 | 67 | 79 | 100 | 54 | 77 | 112 | 416 | 210 | 0 | 0 | 52 | 228 |
| 17 | 139 | 85 | 66 | 75 | 100 | 52 | 76 | 168 | 525 | 171 | 0 | 0 | 38 | 267 |
| 18 | 140 | 89 | 69 | 79 | 100 | 51 | 75 | 212 | 574 | 150 | 0 | 0 | 106 | 352 |
| 19 | 141 | 83 | 55 | 69 | 100 | 51 | 75 | 114 | 443 | 201 | 0 | 0 | 106 | 359 |
| 20 | 142 | 72 | 52 | 62 | 100 | 59 | 79 | 79 | 564 | 200 | 0 | 0 | 108 | 62 |
| 21 | 143 | 76 | 60 | 68 | 100 | 43 | 71 | 160 | 564 | 149 | 2 | 0 | 41 | 249 |
| 22 | 144 | 69 | 56 | 62 | 100 | 86 | 93 | 1 | 206 | 148 | 18 | 0 | 31 | 89 |
| 23 | 145 | 77 | 51 | 64 | 100 | 51 | 75 | 92 | 541 | 166 | 0 | 0 | 44 | 229 |
| 24 | 146 | 80 | 59 | 69 | 100 | 55 | 77 | 114 | 537 | 255 | T | 0 | 87 | 256 |
| 25 | 147 | 73 | 56 | 64 | 100 | 70 | 85 | 53 | 572 | 249 | 0 | 0 | 76 | 258 |
| 26 | 148 | 80 | 55 | 67 | 100 | 56 | 78 | 94 | 614 | 123 | 0 | 0 | 37 | 187 |
| 27 | 149 | 82 | 65 | 73 | 100 | 62 | 81 | 29 | 440 | 257 | 0 | 0 | 37 | 236 |
| 28 | 150 | 83 | 64 | 73 | 100 | 79 | 89 | 29 | 296 | 208 | 23 | 0 | 59 | 343 |
| 29 | 151 | 81 | 57 | 69 | 100 | 52 | 76 | 131 | 418 | 158 | 5 | 0 | 78 | 124 |
| 30 | 152 | 72 | 56 | 64 | 100 | 40 | 70 | 186 | 640 | 59 | 0 | 0 | 112 | 318 |
| 31 | 153 | 78 | 58 | 68 | 99 | 35 | 67 | 192 | 624 | 64 | 0 | 0 | 67 | 260 |
| Sums | | 2437 | 1829 | 2126 | 3094 | 1753 | 2415 | 3591 | 15402 | 5214 | 127 | 0 | 2256 | 7264 |
| Average | | 78.6 | 59.0 | 68.6 | 99.8 | 56.5 | 77.9 | .116 | 496.8 | 168.2 | .04 | .0 | 72.8 | .234 |

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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 | 123 | 88 | 68 | 81 | 69 | 76 | 70 | 72 | 69 | 93 | 69 | 86 | 70 | 81 | 70 | 75 | 69 |
| 2 | 124 | 80 | 68 | 76 | 69 | 73 | 69 | 71 | 69 | 82 | 68 | 78 | 69 | 76 | 69 | 72 | 69 |
| 3 | 125 | 83 | 70 | 79 | 69 | 74 | 68 | 72 | 68 | 88 | 70 | 82 | 69 | 78 | 69 | 73 | 69 |
| 4 | 126 | 83 | 66 | 78 | 67 | 74 | 69 | 72 | 68 | 85 | 67 | 79 | 68 | 77 | 69 | 73 | 69 |
| 5 | 127 | 72 | 59 | 70 | 62 | 69 | 64 | 69 | 64 | 72 | 57 | 71 | 60 | 70 | 62 | 70 | 64 |
| 6 | 128 | 85 | 60 | 79 | 62 | 72 | 64 | 69 | 63 | 87 | 59 | 80 | 62 | 76 | 63 | 71 | 63 |
| 7 | 129 | 88 | 65 | 81 | 65 | 74 | 65 | 71 | 65 | 91 | 65 | 83 | 64 | 78 | 65 | 73 | 65 |
| 8 | 130 | 86 | 62 | 80 | 64 | 74 | 66 | 71 | 66 | 89 | 61 | 83 | 64 | 78 | 66 | 73 | 67 |
| 9 | 131 | 81 | 66 | 76 | 66 | 71 | 66 | 69 | 66 | 84 | 65 | 78 | 65 | 74 | 66 | 70 | 67 |
| 10 | 132 | 68 | 58 | 68 | 60 | 68 | 62 | 67 | 63 | 69 | 56 | 68 | 59 | 68 | 61 | 68 | 63 |
| 11 | 133 | 82 | 60 | 77 | 63 | 71 | 63 | 68 | 63 | 86 | 61 | 79 | 60 | 75 | 61 | 70 | 62 |
| 12 | 134 | 86 | 64 | 80 | 65 | 73 | 65 | 70 | 64 | 91 | 63 | 82 | 65 | 78 | 65 | 72 | 64 |
| 13 | 135 | 89 | 67 | 82 | 67 | 75 | 67 | 72 | 66 | 93 | 67 | 85 | 67 | 80 | 67 | 74 | 67 |
| 14 | 136 | 91 | 69 | 84 | 69 | 76 | 68 | 73 | 68 | 95 | 70 | 87 | 69 | 82 | 69 | 75 | 68 |
| 15 | 137 | 94 | 72 | 87 | 71 | 78 | 70 | 75 | 70 | 99 | 73 | 90 | 72 | 84 | 71 | 77 | 71 |
| 16 | 138 | 93 | 70 | 87 | 72 | 79 | 72 | 75 | 71 | 98 | 70 | 89 | 72 | 84 | 73 | 78 | 72 |
| 17 | 139 | 94 | 71 | 87 | 71 | 80 | 72 | 76 | 71 | 97 | 70 | 90 | 73 | 84 | 73 | 78 | 72 |
| 18 | 140 | 94 | 72 | 87 | 72 | 80 | 73 | 76 | 72 | 97 | 72 | 90 | 72 | 85 | 73 | 78 | 72 |
| 19 | 141 | 90 | 67 | 84 | 69 | 78 | 71 | 75 | 71 | 92 | 66 | 86 | 68 | 82 | 70 | 77 | 71 |
| 20 | 142 | 86 | 63 | 80 | 64 | 75 | 67 | 73 | 69 | 87 | 61 | 82 | 64 | 78 | 66 | 74 | 68 |
| 21 | 143 | 90 | 69 | 84 | 68 | 76 | 68 | 73 | 68 | 93 | 67 | 85 | 66 | 80 | 67 | 75 | 68 |
| 22 | 144 | 76 | 62 | 73 | 65 | 71 | 66 | 71 | 67 | 77 | 60 | 74 | 64 | 72 | 65 | 71 | 66 |
| 23 | 145 | 87 | 62 | 80 | 64 | 74 | 65 | 71 | 67 | 89 | 60 | 81 | 64 | 77 | 66 | 73 | 66 |
| 24 | 146 | 88 | 66 | 81 | 67 | 74 | 66 | 72 | 67 | 91 | 65 | 83 | 65 | 78 | 65 | 73 | 66 |
| 25 | 147 | 87 | 65 | 81 | 67 | 75 | 68 | 72 | 68 | 91 | 64 | 84 | 68 | 79 | 68 | 74 | 68 |
| 26 | 148 | 94 | 65 | 86 | 67 | 78 | 69 | 74 | 68 | 98 | 66 | 89 | 68 | 82 | 69 | 76 | 69 |
| 27 | 149 | 89 | 72 | 83 | 70 | 76 | 69 | 74 | 69 | 93 | 71 | 85 | 69 | 81 | 70 | 76 | 70 |
| 28 | 150 | 84 | 67 | 80 | 69 | 75 | 70 | 74 | 71 | 85 | 67 | 81 | 69 | 78 | 70 | 75 | 70 |
| 29 | 151 | 85 | 64 | 80 | 66 | 75 | 68 | 73 | 68 | 88 | 63 | 82 | 66 | 78 | 68 | 74 | 69 |
| 30 | 152 | 88 | 63 | 82 | 65 | 75 | 68 | 72 | 68 | 90 | 62 | 83 | 65 | 78 | 67 | 74 | 68 |
| 31 | 153 | 91 | 65 | 84 | 66 | 76 | 67 | 73 | 68 | 94 | 66 | 86 | 66 | 80 | 67 | 75 | 68 |
| Sums | | 2672 | 2037 | 2497 | 2070 | 2315 | 2095 | 2235 | 2095 | 2764 | 2021 | 2561 | 2062 | 2431 | 2090 | 2287 | 2100 |
| Averages | | 86.2 | 65.7 | 80.5 | 66.8 | 74.7 | 67.6 | 72.1 | 67.6 | 89.2 | 65.2 | 82.6 | 66.5 | 78.4 | 67.4 | 73.8 | 67.7 |

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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 | 123 | 0 | 34 | | 9 |
| 2 | 124 | 0 | 31 | | 6 |
| 3 | 125 | 0 | 34 | | 9 |
| 4 | 126 | 0 | 31 | | 6 |
| 5 | 127 | 5 | 20 | | 0 |
| 6 | 128 | 5 | 20 | | 0 |
| 7 | 129 | 0 | 27 | | 2 |
| 8 | 130 | 4 | 21 | | 0 |
| 9 | 131 | 0 | 25 | | 0 |
| 10 | 132 | 5 | 20 | | 0 |
| 11 | 133 | 0 | 26 | | 1 |
| 12 | 134 | 0 | 28 | | 3 |
| 13 | 135 | 0 | 31 | | 6 |
| 14 | 136 | 0 | 35 | | 10 |
| 15 | 137 | 0 | 38 | | 13 |
| 16 | 138 | 0 | 39 | | 14 |
| 17 | 139 | 0 | 35 | | 10 |
| 18 | 140 | 0 | 39 | | 14 |
| 19 | 141 | 0 | 29 | | 4 |
| 20 | 142 | 3 | 22 | | 0 |
| 21 | 143 | 0 | 28 | | 3 |
| 22 | 144 | 3 | 22 | | 0 |
| 23 | 145 | 1 | 24 | | 0 |
| 24 | 146 | 0 | 29 | | 4 |
| 25 | 147 | 1 | 24 | | 0 |
| 26 | 148 | 0 | 27 | | 2 |
| 27 | 149 | 0 | 33 | | 8 |
| 28 | 150 | 0 | 33 | | 8 |
| 29 | 151 | 0 | 29 | | 4 |
| 30 | 152 | 1 | 24 | | 0 |
| 31 | 153 | 0 | 28 | | 3 |
| Sums for month | | 28 | 886 | | 139 |

28 Accumulated heating degree days since July 1
 2237 Accumulated growing degree days since Jan. 1
 243 Accumulated cooling degree days since Apr. 1