

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

1992

| 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 | | TOTAL | DIFF | | | | |
| 1 | 154 | 74 | 53 | 63 | 100 | 96 | 98 | 12 | 188 | 150 | 44 | 0 | 98 | 203 |
| 2 | 155 | 74 | 56 | 65 | 72 | 44 | 58 | 259 | 588 | 155 | 0 | 0 | 108 | 208 |
| 3 | 156 | 79 | 57 | 68 | 100 | 44 | 72 | 192 | 584 | 164 | 0 | 0 | 68 | 308 |
| 4 | 157 | 77 | 59 | 68 | 100 | 54 | 77 | 162 | 288 | 238 | 0 | 0 | 37 | 116 |
| 5 | 158 | 65 | 56 | 60 | 100 | 66 | 83 | 88 | 244 | 188 | 18 | 0 | 84 | 94 |
| 6 | 159 | 71 | 58 | 64 | 94 | 40 | 67 | 196 | 549 | 212 | 0 | 0 | 79 | 228 |
| 7 | 160 | 77 | 53 | 65 | 100 | 42 | 71 | 178 | 560 | 151 | 0 | 0 | 34 | 217 |
| 8 | 161 | 78 | 58 | 68 | 72 | 40 | 56 | 301 | 556 | 160 | 0 | 0 | 59 | 258 |
| 9 | 162 | 78 | 58 | 68 | 100 | 72 | 86 | 96 | 158 | 148 | 13 | 0 | 117 | 37 |
| 10 | 163 | 74 | 61 | 67 | 100 | 76 | 88 | 82 | 246 | 217 | 1 | 0 | 39 | 98 |
| 11 | 164 | 83 | 64 | 73 | 100 | 50 | 75 | 210 | 441 | 207 | 31 | 0 | 50 | 182 |
| 12 | 165 | 75 | 54 | 64 | 98 | 58 | 78 | 131 | 504 | 170 | 0 | 0 | 100 | 224 |
| 13 | 166 | 67 | 49 | 58 | 100 | 60 | 80 | 96 | 390 | 223 | 0 | 0 | 53 | 136 |
| 14 | 167 | 57 | 53 | 55 | 100 | 98 | 99 | 4 | 83 | 69 | 37 | 0 | 57 | 25 |
| 15 | 168 | 67 | 50 | 58 | 100 | 52 | 76 | 116 | 330 | 230 | 5 | 0 | 57 | 153 |
| 16 | 169 | 68 | 50 | 59 | 100 | 65 | 82 | 90 | 257 | 214 | 13 | 0 | 23 | 112 |
| 17 | 170 | 67 | 55 | 61 | 100 | 88 | 94 | 32 | 205 | 193 | 4 | 0 | 45 | 100 |
| 18 | 171 | 73 | 58 | 65 | 100 | 66 | 83 | 108 | 279 | 235 | 4 | 0 | 38 | 90 |
| 19 | 172 | 75 | 59 | 67 | 100 | 42 | 71 | 192 | 474 | 208 | 3 | 0 | 48 | 191 |
| 20 | 173 | 71 | 54 | 62 | 100 | 40 | 70 | 166 | 453 | 179 | T | 0 | 77 | 190 |
| 21 | 174 | 67 | 49 | 58 | 100 | 50 | 75 | 120 | 456 | 200 | 0 | 0 | 78 | 165 |
| 22 | 175 | 74 | 47 | 60 | 62 | 40 | 51 | 253 | 569 | 93 | 0 | 0 | 63 | 171 |
| 23 | 176 | 76 | 52 | 64 | 100 | 40 | 70 | 178 | 558 | 94 | T | 0 | 38 | 214 |
| 24 | 177 | 80 | 57 | 68 | 100 | 42 | 71 | 198 | 541 | 127 | 0 | 0 | 65 | 196 |
| 25 | 178 | 82 | 64 | 73 | 100 | 58 | 79 | 251 | 445 | 231 | 16 | 0 | 40 | 186 |
| 26 | 179 | 81 | 65 | 73 | 100 | 74 | 87 | 105 | 310 | 222 | 2 | 0 | 33 | 101 |
| 27 | 180 | 83 | 67 | 75 | 100 | 68 | 84 | 139 | 314 | 216 | 16 | 0 | 41 | 120 |
| 28 | 181 | 81 | 65 | 73 | 100 | 74 | 87 | 105 | 303 | 210 | 26 | 0 | 44 | 123 |
| 29 | 182 | 83 | 57 | 70 | 92 | 68 | 80 | 146 | 245 | 192 | 149 | 0 | 147 | 199 |
| 30 | 183 | 64 | 52 | 58 | 96 | 58 | 77 | 111 | 302 | 192 | 0 | 0 | 113 | 114 |
| 31 | 184 | 74 | 56 | 65 | 100 | 56 | 78 | 136 | 288 | 174 | 20 | 0 | 103 | 177 |
| SUMS | | 2295 | 1746 | 2015 | 2986 | 1821 | 2403 | 4453 | 11708 | 5662 | 402 | 0 | 2036 | 4936 |
| AVERAGE | | 74.0 | 56.3 | 65.0 | 96.3 | 58.7 | 77.5 | 0.144 | 377.7 | 182.6 | 0.13 | 0.0 | 65.7 | 0.159 |

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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 | 154 | 69 | 62 | 69 | 64 | 67 | 64 | 66 | 65 | 73 | 58 | 70 | 60 | 68 | 62 | 67 | 63 |
| 2 | 155 | 72 | 63 | 71 | 64 | 68 | 64 | 67 | 65 | 80 | 59 | 76 | 61 | 72 | 62 | 68 | 63 |
| 3 | 156 | 75 | 64 | 73 | 65 | 69 | 65 | 68 | 65 | 88 | 62 | 83 | 63 | 77 | 63 | 70 | 64 |
| 4 | 157 | 73 | 66 | 72 | 66 | 69 | 66 | 68 | 66 | 80 | 64 | 77 | 65 | 73 | 65 | 69 | 66 |
| 5 | 158 | 69 | 62 | 68 | 64 | 67 | 64 | 67 | 65 | 72 | 56 | 69 | 58 | 68 | 61 | 67 | 63 |
| 6 | 159 | 72 | 63 | 71 | 64 | 68 | 64 | 67 | 65 | 81 | 58 | 77 | 60 | 72 | 61 | 68 | 63 |
| 7 | 160 | 76 | 64 | 74 | 64 | 70 | 65 | 68 | 65 | 87 | 59 | 82 | 62 | 76 | 63 | 71 | 64 |
| 8 | 161 | 77 | 65 | 74 | 66 | 70 | 66 | 69 | 66 | 90 | 62 | 84 | 64 | 78 | 64 | 72 | 66 |
| 9 | 162 | 68 | 65 | 68 | 66 | 67 | 66 | 67 | 66 | 70 | 62 | 69 | 63 | 68 | 64 | 68 | 65 |
| 10 | 163 | 72 | 66 | 70 | 66 | 68 | 66 | 67 | 66 | 77 | 64 | 74 | 65 | 71 | 65 | 68 | 65 |
| 11 | 164 | 76 | 67 | 74 | 67 | 70 | 67 | 69 | 67 | 88 | 66 | 83 | 66 | 77 | 66 | 71 | 66 |
| 12 | 165 | 76 | 65 | 74 | 66 | 71 | 66 | 70 | 67 | 84 | 58 | 80 | 61 | 76 | 63 | 72 | 66 |
| 13 | 166 | 72 | 63 | 71 | 64 | 69 | 65 | 68 | 66 | 80 | 56 | 77 | 59 | 73 | 62 | 69 | 64 |
| 14 | 167 | 64 | 62 | 65 | 62 | 65 | 63 | 66 | 64 | 62 | 58 | 62 | 59 | 63 | 60 | 64 | 62 |
| 15 | 168 | 68 | 61 | 67 | 62 | 65 | 62 | 65 | 63 | 74 | 54 | 71 | 56 | 68 | 59 | 65 | 61 |
| 16 | 169 | 68 | 62 | 67 | 62 | 65 | 62 | 65 | 63 | 75 | 60 | 71 | 58 | 68 | 59 | 65 | 61 |
| 17 | 170 | 68 | 63 | 68 | 64 | 66 | 64 | 65 | 64 | 72 | 58 | 70 | 60 | 68 | 62 | 66 | 63 |
| 18 | 171 | 70 | 64 | 69 | 64 | 66 | 64 | 66 | 64 | 79 | 62 | 75 | 62 | 71 | 62 | 67 | 63 |
| 19 | 172 | 73 | 66 | 72 | 66 | 69 | 66 | 67 | 66 | 86 | 63 | 81 | 64 | 75 | 65 | 70 | 65 |
| 20 | 173 | 70 | 63 | 70 | 64 | 68 | 65 | 67 | 66 | 82 | 59 | 78 | 61 | 73 | 63 | 69 | 65 |
| 21 | 174 | 69 | 61 | 69 | 62 | 67 | 63 | 66 | 64 | 81 | 54 | 77 | 57 | 72 | 60 | 68 | 63 |
| 22 | 175 | 72 | 61 | 70 | 62 | 68 | 63 | 67 | 64 | 87 | 56 | 81 | 59 | 75 | 60 | 69 | 63 |
| 23 | 176 | 74 | 62 | 72 | 63 | 69 | 64 | 67 | 65 | 90 | 59 | 84 | 61 | 77 | 62 | 70 | 64 |
| 24 | 177 | 74 | 64 | 73 | 65 | 69 | 65 | 68 | 66 | 90 | 64 | 84 | 63 | 78 | 64 | 71 | 65 |
| 25 | 178 | 76 | 67 | 75 | 67 | 71 | 67 | 70 | 67 | 91 | 68 | 86 | 67 | 79 | 67 | 73 | 67 |
| 26 | 179 | 77 | 70 | 76 | 70 | 72 | 69 | 71 | 69 | 87 | 67 | 82 | 69 | 78 | 70 | 73 | 70 |
| 27 | 180 | 77 | 71 | 76 | 70 | 73 | 70 | 71 | 70 | 87 | 70 | 83 | 70 | 78 | 70 | 74 | 70 |
| 28 | 181 | 78 | 71 | 76 | 71 | 73 | 70 | 72 | 70 | 89 | 68 | 83 | 69 | 78 | 69 | 73 | 70 |
| 29 | 182 | 75 | 66 | 74 | 66 | 72 | 67 | 71 | 68 | 83 | 59 | 79 | 62 | 75 | 64 | 72 | 67 |
| 30 | 183 | 67 | 62 | 68 | 63 | 67 | 64 | 68 | 65 | 68 | 55 | 67 | 57 | 67 | 60 | 67 | 63 |
| 31 | 184 | 68 | 62 | 68 | 63 | 66 | 64 | 66 | 65 | 76 | 57 | 72 | 59 | 68 | 60 | 66 | 63 |
| SUMS | | 2235 | 1993 | 2204 | 2012 | 2124 | 2020 | 2099 | 2037 | 2509 | 1875 | 2387 | 1920 | 2260 | 1957 | 2142 | 2003 |
| AVERAGES | | 72.1 | 64.3 | 71.1 | 64.9 | 68.5 | 65.2 | 67.7 | 65.7 | 80.9 | 60.5 | 77.0 | 61.9 | 72.9 | 63.1 | 69.1 | 64.6 |

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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 | 154 | 2 | 23 | | 0 |
| 2 | 155 | 0 | 25 | | 0 |
| 3 | 156 | 0 | 28 | | 3 |
| 4 | 157 | 0 | 28 | | 3 |
| 5 | 158 | 5 | 20 | | 0 |
| 6 | 159 | 1 | 24 | | 0 |
| 7 | 160 | 0 | 25 | | 0 |
| 8 | 161 | 0 | 28 | | 3 |
| 9 | 162 | 0 | 28 | | 3 |
| 10 | 163 | 0 | 27 | | 2 |
| 11 | 164 | 0 | 33 | | 8 |
| 12 | 165 | 1 | 24 | | 0 |
| 13 | 166 | 7 | 18 | | 0 |
| 14 | 167 | 10 | 15 | | 0 |
| 15 | 168 | 7 | 18 | | 0 |
| 16 | 169 | 6 | 19 | | 0 |
| 17 | 170 | 4 | 21 | | 0 |
| 18 | 171 | 0 | 25 | | 0 |
| 19 | 172 | 0 | 27 | | 2 |
| 20 | 173 | 3 | 22 | | 0 |
| 21 | 174 | 7 | 18 | | 0 |
| 22 | 175 | 5 | 20 | | 0 |
| 23 | 176 | 1 | 24 | | 0 |
| 24 | 177 | 0 | 28 | | 3 |
| 25 | 178 | 0 | 33 | | 8 |
| 26 | 179 | 0 | 33 | | 8 |
| 27 | 180 | 0 | 35 | | 10 |
| 28 | 181 | 0 | 33 | | 8 |
| 29 | 182 | 0 | 30 | | 5 |
| 30 | 183 | 7 | 18 | | 0 |
| 31 | 184 | 0 | 25 | | 0 |
| SUMS FOR MONTH | | 66 | 775 | | 66 |
| 103 | ACCUMULATED | HEATING DEGREE | DAYS SINCE JULY 1 | | |
| 2886 | ACCUMULATED | GROWING DEGREE | DAYS SINCE JAN. 1 | | |
| 165 | ACCUMULATED | COOLING DEGREE | DAYS SINCE APR. 1 | | |