

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 JUNE 1995

| MO.     | CL. | AIR TEMP.F |      |      | REL.HUM.PCT |      |      | VPD   | SOLAR RAD  |       | PPT  | SNOW   | MI.WIND | PAN   |
|---------|-----|------------|------|------|-------------|------|------|-------|------------|-------|------|--------|---------|-------|
| DAY     | DAY | MAX        | MIN  | AVG  | MAX         | MIN  | AVG  | THOU  | GM CAL/CM2 | HUND  | TNTH | 1.5 FT | THOU IN |       |
|         |     |            |      |      |             |      |      | IN/HG | TOTAL      | DIFF  | INS  | INS    | EVAP    |       |
| 1       | 93  | 81         | 53   | 67   | 100         | 40   | 70   | 198   | 0          | 131   | 0    | 0      | 92      | 340   |
| 2       | 94  | 80         | 62   | 71   | 100         | 44   | 72   | 212   | 0          | 254   | 0    | 0      | 39      | 209   |
| 3       | 95  | 80         | 64   | 72   | 100         | 73   | 86   | 110   | 0          | 238   | 53   | 0      | 68      | 199   |
| 4       | 96  | 80         | 57   | 68   | 100         | 60   | 80   | 137   | 0          | 223   | 2    | 0      | 114     | 289   |
| 5       | 97  | 80         | 45   | 62   | 100         | 36   | 68   | 178   | 0          | 201   | 0    | 0      | 73      | 288   |
| 6       | 98  | 80         | 55   | 67   | 100         | 44   | 72   | 192   | 518        | 189   | 0    | 0      | 47      | 330   |
| 7       | 99  | 80         | 61   | 70   | 98          | 58   | 78   | 161   | 579        | 249   | 0    | 0      | 57      | 166   |
| 8       | 100 | 86         | 48   | 67   | 98          | 54   | 76   | 159   | 493        | 255   | 0    | 0      | 86      | 310   |
| 9       | 101 | 54         | 42   | 48   | 100         | 86   | 93   | 24    | 210        | 194   | 0    | 0      | 69      | 81    |
| 10      | 102 | 70         | 48   | 59   | 100         | 60   | 80   | 100   | 637        | 117   | 0    | 0      | 38      | 180   |
| 11      | 103 | 79         | 57   | 68   | 100         | 79   | 89   | 68    | 462        | 268   | 5    | 0      | 80      | 207   |
| 12      | 104 | 84         | 54   | 69   | 100         | 50   | 75   | 177   | 460        | 257   | 5    | 0      | 96      | 291   |
| 13      | 105 | 65         | 50   | 57   | 100         | 55   | 77   | 106   | 374        | 216   | 0    | 0      | 92      | 145   |
| 14      | 106 | 75         | 55   | 65   | 100         | 38   | 69   | 191   | 687        | 116   | 0    | 0      | 78      | 308   |
| 15      | 107 | 72         | 48   | 60   | 100         | 44   | 72   | 145   | 683        | 126   | 0    | 0      | 104     | 310   |
| 16      | 108 | 75         | 46   | 60   | 100         | 40   | 70   | 155   | 661        | 124   | 0    | 0      | 48      | 279   |
| 17      | 109 | 80         | 54   | 67   | 100         | 42   | 71   | 192   | 648        | 152   | 0    | 0      | 41      | 292   |
| 18      | 110 | 86         | 54   | 70   | 100         | 41   | 70   | 220   | 596        | 220   | 0    | 0      | 35      | 252   |
| 19      | 111 | 89         | 70   | 79   | 100         | 52   | 76   | 245   | 589        | 243   | 0    | 0      | 92      | 500   |
| 20      | 112 | 93         | 73   | 83   | 100         | 60   | 80   | 225   | 493        | 161   | 0    | 0      | 101     | 430   |
| 21      | 113 | 88         | 54   | 71   | 100         | 52   | 76   | 182   | 611        | 187   | 0    | 0      | 80      | 397   |
| 22      | 114 | 82         | 61   | 71   | 100         | 58   | 79   | 164   | 598        | 200   | 0    | 0      | 62      | 304   |
| 23      | 115 | 84         | 61   | 72   | 100         | 76   | 88   | 94    | 561        | 300   | 0    | 0      | 84      | 310   |
| 24      | 116 | 83         | 65   | 74   | 100         | 52   | 76   | 201   | 564        | 236   | 0    | 0      | 60      | 286   |
| 25      | 117 | 82         | 65   | 73   | 100         | 72   | 86   | 117   | 398        | 284   | T    | 0      | 50      | 239   |
| 26      | 118 | 86         | 67   | 76   | 100         | 58   | 79   | 188   | 520        | 274   | 0    | 0      | 50      | 251   |
| 27      | 119 | 87         | 67   | 77   | 100         | 64   | 82   | 167   | 404        | 229   | 21   | 0      | 68      | 227   |
| 28      | 120 | 77         | 56   | 66   | 98          | 56   | 77   | 146   | 332        | 275   | T    | 0      | 177     | 310   |
| 29      | 121 | 71         | 57   | 64   | 100         | 84   | 92   | 48    | 357        | 256   | 10   | 0      | 144     | 128   |
| 30      | 122 | 82         | 66   | 74   | 100         | 74   | 87   | 109   | 455        | 306   | 0    | 0      | 102     | 210   |
| SUMS    |     | 2391       | 1715 | 2047 | 2994        | 1702 | 2346 | 4611  | 12890      | 6481  | 96   | 0      | 2327    | 8068  |
| AVERAGE |     | 79.7       | 57.2 | 68.2 | 99.8        | 56.7 | 78.2 | 0.154 | 429.7      | 216.0 | 0.03 | 0.0    | 77.6    | 0.269 |

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|          |     | SOIL TEMPERATURE F |      |        |      |        |      |         |      |        |      |        |      |        |      |         |      |
|----------|-----|--------------------|------|--------|------|--------|------|---------|------|--------|------|--------|------|--------|------|---------|------|
|          |     | SOD                |      |        |      |        |      |         |      | BARE   |      |        |      |        |      |         |      |
| MO.      | CL. | 2 INCH             |      | 4 INCH |      | 8 INCH |      | 12 INCH |      | 2 INCH |      | 4 INCH |      | 8 INCH |      | 12 INCH |      |
| DAY      | DAY | MAX                | MIN  | MAX    | MIN  | MAX    | MIN  | MAX     | MIN  | MAX    | MIN  | MAX    | MIN  | MAX    | MIN  | MAX     | MIN  |
| 1        | 93  | 81                 | 58   | 75     | 59   | 68     | 60   | 66      | 59   | 85     | 59   | 79     | 60   | 73     | 60   | 71      | 60   |
| 2        | 94  | 78                 | 63   | 73     | 62   | 68     | 61   | 66      | 62   | 81     | 63   | 76     | 63   | 72     | 63   | 71      | 62   |
| 3        | 95  | 78                 | 63   | 73     | 64   | 68     | 63   | 66      | 62   | 81     | 63   | 76     | 64   | 71     | 64   | 67      | 63   |
| 4        | 96  | 78                 | 61   | 75     | 62   | 69     | 63   | 67      | 62   | 82     | 61   | 77     | 62   | 72     | 64   | 72      | 63   |
| 5        | 97  | 80                 | 56   | 76     | 58   | 70     | 62   | 68      | 62   | 85     | 55   | 79     | 58   | 76     | 61   | 74      | 62   |
| 6        | 98  | 83                 | 61   | 78     | 62   | 71     | 64   | 68      | 63   | 87     | 61   | 81     | 62   | 76     | 64   | 71      | 63   |
| 7        | 99  | 84                 | 65   | 79     | 64   | 72     | 64   | 69      | 64   | 87     | 64   | 82     | 65   | 77     | 65   | 72      | 64   |
| 8        | 100 | 88                 | 63   | 82     | 66   | 75     | 67   | 71      | 66   | 92     | 63   | 86     | 66   | 80     | 67   | 73      | 66   |
| 9        | 101 | 68                 | 54   | 67     | 57   | 68     | 60   | 68      | 61   | 68     | 52   | 67     | 56   | 68     | 59   | 68      | 61   |
| 10       | 102 | 82                 | 58   | 76     | 58   | 70     | 60   | 67      | 61   | 85     | 58   | 79     | 57   | 74     | 59   | 68      | 60   |
| 11       | 103 | 83                 | 65   | 78     | 63   | 71     | 64   | 69      | 64   | 86     | 66   | 81     | 64   | 75     | 65   | 70      | 64   |
| 12       | 104 | 86                 | 62   | 81     | 64   | 74     | 66   | 71      | 66   | 90     | 62   | 84     | 64   | 78     | 66   | 72      | 67   |
| 13       | 105 | 72                 | 56   | 70     | 58   | 67     | 60   | 67      | 62   | 74     | 55   | 71     | 57   | 69     | 60   | 67      | 62   |
| 14       | 106 | 84                 | 61   | 79     | 60   | 72     | 60   | 68      | 61   | 88     | 61   | 82     | 60   | 76     | 60   | 70      | 61   |
| 15       | 107 | 84                 | 59   | 79     | 62   | 73     | 64   | 70      | 64   | 88     | 59   | 82     | 62   | 77     | 64   | 71      | 65   |
| 16       | 108 | 86                 | 60   | 81     | 62   | 74     | 65   | 70      | 64   | 90     | 59   | 84     | 61   | 79     | 64   | 72      | 65   |
| 17       | 109 | 88                 | 63   | 82     | 64   | 75     | 65   | 71      | 65   | 92     | 62   | 86     | 64   | 80     | 64   | 73      | 66   |
| 18       | 110 | 90                 | 67   | 84     | 66   | 76     | 66   | 73      | 67   | 94     | 68   | 88     | 66   | 81     | 67   | 74      | 67   |
| 19       | 111 | 91                 | 72   | 86     | 71   | 78     | 70   | 75      | 69   | 96     | 72   | 90     | 72   | 83     | 71   | 76      | 70   |
| 20       | 112 | 95                 | 74   | 89     | 74   | 81     | 74   | 77      | 74   | 101    | 74   | 94     | 75   | 87     | 76   | 79      | 74   |
| 21       | 113 | 93                 | 68   | 88     | 69   | 81     | 72   | 78      | 73   | 98     | 68   | 92     | 70   | 86     | 72   | 79      | 73   |
| 22       | 114 | 92                 | 70   | 86     | 71   | 80     | 72   | 76      | 71   | 96     | 70   | 90     | 72   | 84     | 72   | 78      | 72   |
| 23       | 115 | 89                 | 69   | 85     | 70   | 79     | 72   | 76      | 72   | 94     | 69   | 89     | 71   | 83     | 73   | 78      | 73   |
| 24       | 116 | 89                 | 72   | 85     | 72   | 79     | 72   | 76      | 72   | 94     | 72   | 89     | 72   | 83     | 73   | 78      | 72   |
| 25       | 117 | 85                 | 72   | 82     | 72   | 78     | 73   | 75      | 73   | 88     | 72   | 85     | 72   | 81     | 74   | 76      | 73   |
| 26       | 118 | 91                 | 74   | 86     | 74   | 80     | 73   | 77      | 72   | 96     | 74   | 90     | 74   | 85     | 74   | 79      | 73   |
| 27       | 119 | 92                 | 70   | 87     | 71   | 80     | 72   | 77      | 72   | 97     | 71   | 91     | 72   | 85     | 73   | 79      | 73   |
| 28       | 120 | 80                 | 64   | 78     | 66   | 74     | 69   | 73      | 69   | 81     | 64   | 79     | 66   | 76     | 68   | 74      | 70   |
| 29       | 121 | 73                 | 64   | 72     | 65   | 70     | 66   | 70      | 66   | 74     | 64   | 72     | 65   | 71     | 66   | 70      | 67   |
| 30       | 122 | 83                 | 68   | 79     | 67   | 74     | 67   | 72      | 67   | 86     | 68   | 81     | 67   | 77     | 67   | 73      | 67   |
| SUMS     |     | 2526               | 1932 | 2391   | 1953 | 2215   | 1986 | 2137    | 1985 | 2636   | 1929 | 2482   | 1959 | 2335   | 1995 | 2195    | 1998 |
| AVERAGES |     | 84.2               | 64.4 | 79.7   | 65.1 | 73.8   | 66.2 | 71.2    | 66.2 | 87.9   | 64.3 | 82.7   | 65.3 | 77.8   | 66.5 | 73.2    | 66.6 |

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| MO.<br>DAY     | CL.<br>DAY  | HEATING DEGREES<br>BASE 65F | GROWING DEGREES<br>BASE 40F | MEAN (SCALAR)<br>WIND CHILL INDEX | COOLING DEGREES<br>BASE 65F |
|----------------|-------------|-----------------------------|-----------------------------|-----------------------------------|-----------------------------|
| 1              | 93          | 0                           | 27                          |                                   | 2                           |
| 2              | 94          | 0                           | 31                          |                                   | 6                           |
| 3              | 95          | 0                           | 32                          |                                   | 7                           |
| 4              | 96          | 0                           | 28                          |                                   | 3                           |
| 5              | 97          | 3                           | 22                          |                                   | 0                           |
| 6              | 98          | 0                           | 27                          |                                   | 2                           |
| 7              | 99          | 0                           | 30                          |                                   | 5                           |
| 8              | 100         | 0                           | 27                          |                                   | 2                           |
| 9              | 101         | 17                          | 8                           |                                   | 0                           |
| 10             | 102         | 6                           | 19                          |                                   | 0                           |
| 11             | 103         | 0                           | 28                          |                                   | 3                           |
| 12             | 104         | 0                           | 29                          |                                   | 4                           |
| 13             | 105         | 8                           | 17                          |                                   | 0                           |
| 14             | 106         | 0                           | 25                          |                                   | 0                           |
| 15             | 107         | 5                           | 20                          |                                   | 0                           |
| 16             | 108         | 5                           | 20                          |                                   | 0                           |
| 17             | 109         | 0                           | 27                          |                                   | 2                           |
| 18             | 110         | 0                           | 30                          |                                   | 5                           |
| 19             | 111         | 0                           | 39                          |                                   | 14                          |
| 20             | 112         | 0                           | 43                          |                                   | 18                          |
| 21             | 113         | 0                           | 31                          |                                   | 6                           |
| 22             | 114         | 0                           | 31                          |                                   | 6                           |
| 23             | 115         | 0                           | 32                          |                                   | 7                           |
| 24             | 116         | 0                           | 34                          |                                   | 9                           |
| 25             | 117         | 0                           | 33                          |                                   | 8                           |
| 26             | 118         | 0                           | 36                          |                                   | 11                          |
| 27             | 119         | 0                           | 37                          |                                   | 12                          |
| 28             | 120         | 0                           | 26                          |                                   | 1                           |
| 29             | 121         | 1                           | 24                          |                                   | 0                           |
| 30             | 122         | 0                           | 34                          |                                   | 9                           |
| SUMS FOR MONTH |             | 45                          | 847                         |                                   | 142                         |
| 6670           | ACCUMULATED | HEATING DEGREE              | DAYS SINCE                  | JULY 1                            |                             |
| 1585           | ACCUMULATED | GROWING DEGREE              | DAYS SINCE                  | JAN. 1                            |                             |
| 143            | ACCUMULATED | COOLING DEGREE              | DAYS SINCE                  | APR. 1                            |                             |