

Early Blight Degree Days Worksheet and Late Blight update 2015

Early Blight Threshold = 650 Degree Days

The last Date the Degree Days were updated is in bold.

Late Blight Update:

For Late blight control, based on the timing of the disease threshold from previous years, conditions favorable for late blight are typically reached around the **15th of July**.

Fungicide applications for control of late blight should be made prior to row closure and at least one to two weeks prior to July 15th. For current late blight updates, please continue to check this webpage throughout the summer.

Early Blight Degree Days Worksheet:

Degree Day Formula: If max temp. >45F then DD = ((max temp.+ min. temp.)/2)-45

Early Blight Threshold = 650 Degree Days

The EB Degree Days were last updated on:

August 3, 2015

| Date | High temp | Low temp | above | | | 2015 | Degree | 30 yr avg. | 30 yr avg. |
|-----------|-----------|----------|-------|--------|----------|------------------------|------------------|------------|------------|
| | | | 45 | D-days | positive | Degree Days Cumulative | Degree Days 2014 | positive | Cumulative |
| 5/5/2015 | 48.2 | 41.2 | 1 | -0.3 | 0.0 | 0.0 | 7.9 | 2.6 | 2.6 |
| 5/6/2015 | 60.9 | 37.6 | 1 | 4.3 | 4.3 | 4.3 | 19.3 | 2.2 | 4.8 |
| 5/7/2015 | 62.3 | 37.1 | 1 | 4.7 | 4.7 | 9.0 | 21.5 | 2.5 | 7.2 |
| 5/8/2015 | 64.4 | 36.1 | 1 | 5.3 | 5.3 | 14.2 | 21.5 | 2.9 | 10.1 |
| 5/9/2015 | 51.7 | 33.2 | 1 | -2.6 | 0.0 | 14.2 | 21.5 | 3.8 | 13.9 |
| 5/10/2015 | 53.1 | 31.9 | 1 | -2.5 | 0.0 | 14.2 | 25.7 | 4.0 | 17.9 |
| 5/11/2015 | 60.3 | 28.8 | 1 | -0.5 | 0.0 | 14.2 | 26.1 | 4.8 | 22.6 |
| 5/12/2015 | 67.3 | 33.4 | 1 | 5.3 | 5.3 | 19.6 | 26.1 | 3.7 | 26.3 |
| 5/13/2015 | 60.6 | 41.2 | 1 | 5.9 | 5.9 | 25.5 | 26.1 | 3.7 | 30.0 |
| 5/14/2015 | 65.0 | 34.7 | 1 | 4.9 | 4.9 | 30.3 | 26.1 | 4.7 | 34.7 |
| 5/15/2015 | 54.7 | 34.3 | 1 | -0.5 | 0.0 | 30.3 | 26.9 | 5.6 | 40.3 |
| 5/16/2015 | 54.1 | 28.1 | 1 | -3.9 | 0.0 | 30.3 | 32.9 | 5.2 | 45.5 |
| 5/17/2015 | 59.8 | 28.7 | 1 | -0.8 | 0.0 | 30.3 | 40.6 | 4.8 | 50.3 |
| 5/18/2015 | 66.0 | 32.6 | 1 | 4.3 | 4.3 | 34.6 | 51.2 | 6.3 | 56.6 |
| 5/19/2015 | 55.9 | 35.4 | 1 | 0.6 | 0.6 | 35.3 | 65.4 | 6.2 | 62.8 |
| 5/20/2015 | 64.0 | 31.9 | 1 | 3.0 | 3.0 | 38.2 | 75.0 | 7.1 | 69.9 |
| 5/21/2015 | 63.6 | 38.8 | 1 | 6.2 | 6.2 | 44.4 | 83.4 | 7.2 | 77.1 |
| 5/22/2015 | 62.5 | 38.1 | 1 | 5.3 | 5.3 | 49.7 | 91.0 | 7.9 | 85.0 |
| 5/23/2015 | 60.0 | 34.5 | 1 | 2.3 | 2.3 | 52.0 | 97.6 | 7.6 | 92.6 |
| 5/24/2015 | 52.9 | 37.1 | 1 | 0.0 | 0.0 | 52.0 | 104.3 | 7.6 | 100.2 |
| 5/25/2015 | 61.1 | 35.9 | 1 | 3.5 | 3.5 | 55.5 | 107.1 | 7.4 | 107.5 |
| 5/26/2015 | 66.5 | 33.1 | 1 | 4.8 | 4.8 | 60.3 | 113.9 | 8.3 | 115.8 |
| 5/27/2015 | 71.9 | 34.1 | 1 | 8.0 | 8.0 | 68.3 | 127.6 | 8.6 | 124.4 |
| 5/28/2015 | 69.1 | 38.1 | 1 | 8.6 | 8.6 | 76.9 | 143.2 | 8.3 | 132.7 |
| 5/29/2015 | 67.9 | 35.4 | 1 | 6.7 | 6.7 | 83.5 | 154.7 | 8.2 | 140.9 |
| 5/30/2015 | 73 | 34.7 | 1 | 8.9 | 8.9 | 92.4 | 168.9 | 8.9 | 149.8 |
| 5/31/2015 | 76.2 | 40.4 | 1 | 13.3 | 13.3 | 105.7 | 184.1 | 9.2 | 159.0 |
| 6/1/2015 | 77.3 | 39.5 | 1 | 13.4 | 13.4 | 119.1 | 197.0 | 8.5 | 167.4 |
| 6/2/2015 | 80.0 | 38.1 | 1 | 14.1 | 14.1 | 133.1 | 212.2 | 8.6 | 176.0 |
| 6/3/2015 | 80.4 | 37.1 | 1 | 13.8 | 13.8 | 146.9 | 225.4 | 9.2 | 185.2 |
| 6/4/2015 | 80.3 | 39.9 | 1 | 15.1 | 15.1 | 162.0 | 238.5 | 10.0 | 195.2 |
| 6/5/2015 | 74.8 | 40.5 | 1 | 12.7 | 12.7 | 174.6 | 253.7 | 11.2 | 206.4 |
| 6/6/2015 | 72.3 | 43.7 | 1 | 13.0 | 13.0 | 187.6 | 268.2 | 11.7 | 218.0 |
| 6/7/2015 | 74.9 | 38.0 | 1 | 11.5 | 11.5 | 199.1 | 281.2 | 11.0 | 229.0 |
| 6/8/2015 | 79.2 | 38.5 | 1 | 13.9 | 13.9 | 212.9 | 291.3 | 11.0 | 240.0 |
| 6/9/2015 | 80.4 | 44.5 | 1 | 17.5 | 17.5 | 230.4 | 299.8 | 11.0 | 251.0 |
| 6/10/2015 | 71.9 | 52.3 | 1 | 17.1 | 17.1 | 247.5 | 309.8 | 10.9 | 261.8 |

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Degree Day Formula: If max temp. >45F then DD = ((max temp.+ min. temp.)/2)-45

Early Blight Threshold = 650 Degree Days

The EB Degree Days were last updated on:

August 3, 2015

| Date | High temp | Low temp | above | | | 2015 | Degree | Degree | 30 yr avg. | 30 yr avg. |
|-----------|-----------|----------|-------|--------|----------|--------------|--------|--------|------------|------------|
| | | | 45 | D-days | positive | Cumulative | Days | Days | | |
| 6/11/2015 | 77.3 | 44.0 | 1 | 15.7 | 15.7 | 263.1 | 319.8 | 11.7 | 273.5 | |
| 6/12/2015 | 74.6 | 44.6 | 1 | 14.6 | 14.6 | 277.7 | 331.8 | 12.6 | 286.1 | |
| 6/13/2015 | 74.4 | 45.3 | 1 | 14.9 | 14.9 | 292.6 | 344.4 | 13.3 | 299.3 | |
| 6/14/2015 | 75.8 | 38.8 | 1 | 12.3 | 12.3 | 304.9 | 356.0 | 13.7 | 313.0 | |
| 6/15/2015 | 78.5 | 38.4 | 1 | 13.4 | 13.4 | 318.3 | 363.7 | 13.4 | 326.4 | |
| 6/16/2015 | 74.2 | 45.3 | 1 | 14.8 | 14.8 | 333.1 | 374.8 | 13.6 | 340.0 | |
| 6/17/2015 | 80.2 | 44.1 | 1 | 17.2 | 17.2 | 350.3 | 391.1 | 13.7 | 353.7 | |
| 6/18/2015 | 85.2 | 41.7 | 1 | 18.4 | 18.4 | 368.7 | 401.3 | 14.7 | 368.4 | |
| 6/19/2015 | 86.2 | 44.1 | 1 | 20.2 | 20.2 | 388.9 | 412.1 | 14.1 | 382.3 | |
| 6/20/2015 | 88.3 | 44.0 | 1 | 21.1 | 21.1 | 410.0 | 428.3 | 15.4 | 397.7 | |
| 6/21/2015 | 91.3 | 44.5 | 1 | 22.9 | 22.9 | 432.9 | 443.8 | 16.1 | 413.8 | |
| 6/22/2015 | 92.2 | 42.5 | 1 | 22.3 | 22.3 | 455.2 | 459.1 | 16.1 | 429.9 | |
| 6/23/2015 | 88.9 | 45.8 | 1 | 22.3 | 22.3 | 477.6 | 471.6 | 16.2 | 446.0 | |
| 6/24/2015 | 86.1 | 49.8 | 1 | 22.9 | 22.9 | 500.5 | 487.4 | 15.8 | 461.8 | |
| 6/25/2015 | 84.8 | 44.0 | 1 | 19.4 | 19.4 | 519.9 | 505.5 | 16.1 | 477.9 | |
| 6/26/2015 | 89.9 | 45.7 | 1 | 22.8 | 22.8 | 542.7 | 522.1 | 15.9 | 493.8 | |
| 6/27/2015 | 82.8 | 51.9 | 1 | 22.3 | 22.3 | 565.0 | 536.1 | 17.8 | 510.4 | |
| 6/28/2015 | 80.4 | 47.1 | 1 | 18.7 | 18.7 | 583.8 | 551.0 | 17.2 | 528.2 | |
| 6/29/2015 | 81.9 | 49.8 | 1 | 20.9 | 20.9 | 604.6 | 569.3 | 17.2 | 545.4 | |
| 6/30/2015 | 87.3 | 51.1 | 1 | 24.2 | 24.2 | 628.8 | 590.8 | 17.1 | 562.5 | |
| 7/1/2015 | 84.9 | 52.7 | 1 | 23.8 | 23.8 | 652.6 | 605.8 | 17.5 | 580.0 | |
| 7/2/2015 | 78.4 | 52.7 | 1 | 20.6 | 20.6 | 673.2 | 621.0 | 17.9 | 597.9 | |
| 7/3/2015 | 77.2 | 46.8 | 1 | 17.0 | 17.0 | 690.2 | 634.5 | 18.1 | 616.0 | |
| 7/4/2015 | 80.8 | 47.9 | 1 | 19.4 | 19.4 | 709.5 | 651.1 | 17.7 | 633.6 | |
| 7/5/2015 | 80.6 | 51.4 | 1 | 21.0 | 21.0 | 730.5 | 669.8 | 18.1 | 651.7 | |
| 7/6/2015 | 76.9 | 50.4 | 1 | 18.7 | 18.7 | 749.2 | 691.3 | 17.6 | 669.3 | |
| 7/7/2015 | 67.3 | 47.4 | 1 | 12.4 | 12.4 | 761.5 | 711.7 | 18.2 | 687.4 | |
| 7/8/2015 | 61.7 | 46.1 | 1 | 8.9 | 8.9 | 770.4 | 728.9 | 18.1 | 705.5 | |
| 7/9/2015 | 70.2 | 42.2 | 1 | 11.2 | 11.2 | 781.6 | 747.8 | 17.9 | 723.3 | |
| 7/10/2015 | 75.1 | 42.7 | 1 | 13.9 | 13.9 | 795.5 | 766.4 | 18.8 | 742.1 | |
| 7/11/2015 | 78.9 | 42.3 | 1 | 15.6 | 15.6 | 811.1 | 785.7 | 18.4 | 760.4 | |
| 7/12/2015 | 80.6 | 47.5 | 1 | 19.1 | 19.1 | 830.2 | 805.7 | 18.3 | 778.7 | |
| 7/13/2015 | 75.6 | 49.8 | 1 | 17.7 | 17.7 | 847.9 | 826.2 | 17.9 | 796.6 | |
| 7/14/2015 | 72.2 | 47.7 | 1 | 15.0 | 15.0 | 862.8 | 847.7 | 18.4 | 815.0 | |
| 7/15/2015 | 74.5 | 46.0 | 1 | 15.3 | 15.3 | 878.1 | 865.9 | 17.7 | 832.7 | |
| 7/16/2015 | 77.4 | 44.9 | 1 | 16.2 | 16.2 | 894.2 | 878.9 | 18.1 | 850.7 | |
| 7/17/2015 | 74.4 | 44.9 | 1 | 14.7 | 14.7 | 908.9 | 896.4 | 18.1 | 868.8 | |

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|-----------|-----------|----------|----------|--------|----------|-----------------------------|------------------|---------------------|-----------------------|
| 7/18/2015 | 77.7 | 45.1 | 1 | 16.4 | 16.4 | 925.3 | 913.0 | 18.1 | 886.9 |
| 7/19/2015 | 71.6 | 51.4 | 1 | 16.5 | 16.5 | 941.8 | 929.2 | 18.4 | 905.3 |
| 7/20/2015 | 72.7 | 47.5 | 1 | 15.1 | 15.1 | 956.9 | 945.7 | 17.6 | 922.9 |
| 7/21/2015 | 76.6 | 50.1 | 1 | 18.4 | 18.4 | 975.2 | 965.9 | 17.7 | 940.6 |
| 7/22/2015 | 77.5 | 43.9 | 1 | 15.7 | 15.7 | 990.9 | 987.6 | 17.8 | 958.3 |
| 7/23/2015 | 81.2 | 43.1 | 1 | 17.2 | 17.2 | 1008.1 | 1010.6 | 17.5 | 975.8 |
| 7/24/2015 | 80.5 | 46.2 | 1 | 18.4 | 18.4 | 1026.4 | 1031.6 | 17.2 | 993.0 |
| 7/25/2015 | 80.9 | 47.6 | 1 | 19.3 | 19.3 | 1045.7 | 1053.6 | 17.8 | 1010.7 |
| 7/26/2015 | 77.8 | 48.2 | 1 | 18.0 | 18.0 | 1063.7 | 1075.5 | 17.8 | 1028.5 |
| 7/27/2015 | 80.9 | 50.3 | 1 | 20.6 | 20.6 | 1084.3 | 1093.3 | 17.4 | 1045.9 |
| 7/28/2015 | 82.7 | 43.7 | 1 | 18.2 | 18.2 | 1102.5 | 1112.9 | 18.1 | 1064.0 |
| 7/29/2015 | 75.7 | 48.6 | 1 | 17.2 | 17.2 | 1119.6 | 1128.3 | 18.1 | 1082.1 |
| 7/30/2015 | 80.0 | 44.7 | 1 | 17.4 | 17.4 | 1137.0 | 1145.1 | 18.7 | 1100.7 |
| 7/31/2015 | 80.2 | 52.1 | 1 | 21.2 | 21.2 | 1158.1 | 1158.8 | 18.0 | 1118.7 |
| 8/1/2015 | | | 0 | 0.0 | 0.0 | 1158.1 | 1171.8 | 18.1 | 1136.8 |
| 8/2/2015 | | | 0 | 0.0 | 0.0 | 1158.1 | 1185.2 | 17.9 | 1154.7 |
| 8/3/2015 | | | 0 | 0.0 | 0.0 | 1158.1 | 1200.8 | 17.1 | 1171.8 |
| 8/4/2015 | | | 0 | 0.0 | 0.0 | 1158.1 | 1216.6 | 17.1 | 1188.8 |
| 8/5/2015 | | | 0 | 0.0 | 0.0 | 1158.1 | 1231.7 | 17.2 | 1206.0 |
| 8/6/2015 | | | 0 | 0.0 | 0.0 | 1158.1 | 1248.6 | 17.2 | 1223.1 |
| 8/7/2015 | | | 0 | 0.0 | 0.0 | 1158.1 | 1264.1 | 17.8 | 1240.9 |
| 8/8/2015 | | | 0 | 0.0 | 0.0 | 1158.1 | 1278.1 | 17.5 | 1258.4 |
| 8/9/2015 | | | 0 | 0.0 | 0.0 | 1158.1 | 1294.7 | 16.8 | 1275.2 |
| 8/10/2015 | | | 0 | 0.0 | 0.0 | 1158.1 | 1309.2 | 16.1 | 1291.3 |
| 8/11/2015 | | | 0 | 0.0 | 0.0 | 1158.1 | 1323.2 | 16.1 | 1307.3 |
| 8/12/2015 | | | 0 | 0.0 | 0.0 | 1158.1 | 1340.7 | 16.6 | 1323.9 |
| 8/13/2015 | | | 0 | 0.0 | 0.0 | 1158.1 | 1357.1 | 16.0 | 1339.9 |
| 8/14/2015 | | | 0 | 0.0 | 0.0 | 1158.1 | 1375.1 | 15.4 | 1355.3 |
| 8/15/2015 | | | 0 | 0.0 | 0.0 | 1158.1 | 1393.5 | 15.6 | 1370.8 |
| 8/16/2015 | | | 0 | 0.0 | 0.0 | 1158.1 | 1411.2 | 16.1 | 1386.9 |
| 8/17/2015 | | | 0 | 0.0 | 0.0 | 1158.1 | 1429.1 | 16.4 | 1403.3 |
| 8/18/2015 | | | 0 | 0.0 | 0.0 | 1158.1 | 1445.8 | 16.1 | 1419.4 |
| 8/19/2015 | | | 0 | 0.0 | 0.0 | 1158.1 | 1464.8 | 16.2 | 1435.6 |
| 8/20/2015 | | | 0 | 0.0 | 0.0 | 1158.1 | 1484.5 | 15.3 | 1450.9 |
| 8/21/2015 | | | 0 | 0.0 | 0.0 | 1158.1 | 1500.3 | 15.4 | 1466.3 |
| 8/22/2015 | | | 0 | 0.0 | 0.0 | 1158.1 | 1509.8 | 15.3 | 1481.6 |
| 8/23/2015 | | | 0 | 0.0 | 0.0 | 1158.1 | 1524.1 | 15.3 | 1496.9 |

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| | | | 45 | D-days | positive | Degree Days Cumulative | Days 2014 | positive | Cumulative |
| 8/24/2015 | | | 0 | 0.0 | 0.0 | 1158.1 | 1538.4 | 15.1 | 1512.0 |
| 8/25/2015 | | | 0 | 0.0 | 0.0 | 1158.1 | 1552.2 | 14.9 | 1526.9 |
| 8/26/2015 | | | 0 | 0.0 | 0.0 | 1158.1 | 1565.9 | 14.4 | 1541.3 |
| 8/27/2015 | | | 0 | 0.0 | 0.0 | 1158.1 | 1578.9 | 14.7 | 1556.0 |
| 8/28/2015 | | | 0 | 0.0 | 0.0 | 1158.1 | 1590.1 | 14.8 | 1570.8 |
| 8/29/2015 | | | 0 | 0.0 | 0.0 | 1158.1 | 1602.3 | 14.5 | 1585.3 |
| 8/30/2015 | | | 0 | 0.0 | 0.0 | 1158.1 | 1615.2 | 13.9 | 1599.2 |
| 8/31/2015 | | | 0 | 0.0 | 0.0 | 1158.1 | 1631.2 | 13.5 | 1612.7 |

To hear the disease phone message report call (719)754-3494 ext. 39

If you have any questions please contact Rob Davidson, (719)754-3496 or Andrew Houser (719)754-3494 ext. 26