

Early Blight Degree Days Worksheet and Late Blight update 2017

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

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The EB Degree Days were last updated on:

September 8, 2017

Date	High temp	Low temp	above 45	D-days	positive	2017 Degree Days Cumulative	Degree Days 2016	30 yr avg. positive	30 yr avg. Cumulative
5/5/2017	75.7	33.2	1	9.5	9.5	9.5	7.7	2.6	2.6
5/6/2017	72.6	38.1	1	10.4	10.4	19.8	17.3	2.2	4.8
5/7/2017	69.4	38.2	1	8.8	8.8	28.6	17.3	2.5	7.2
5/8/2017	72.6	31.0	1	6.8	6.8	35.4	17.3	2.9	10.1
5/9/2017	55.0	36.1	1	0.5	0.5	36.0	22.6	3.8	13.9
5/10/2017	57.2	31.8	1	-0.5	0.0	36.0	26.5	4.0	17.9
5/11/2017	64.5	30.1	1	2.3	2.3	38.3	26.5	4.8	22.6
5/12/2017	70.4	36.7	1	8.6	8.6	46.8	29.9	3.7	26.3
5/13/2017	71.7	37.7	1	9.7	9.7	56.5	37.9	3.7	30.0
5/14/2017	72.3	42.4	1	12.4	12.4	68.9	47.8	4.7	34.7
5/15/2017	70.9	36.4	1	8.7	8.7	77.5	55.2	5.6	40.3
5/16/2017	60.8	39.2	1	5.0	5.0	82.5	56.3	5.2	45.5
5/17/2017	57.1	32.4	1	-0.3	0.0	82.5	56.3	4.8	50.3
5/18/2017	50.6	27.7	1	-5.9	0.0	82.5	58.9	6.3	56.6
5/19/2017	51.7	24.1	1	-7.1	0.0	82.5	64.2	6.2	62.8
5/20/2017	60.4	27.3	1	-1.2	0.0	82.5	71.8	7.1	69.9
5/21/2017	63.8	31.8	1	2.8	2.8	85.3	82.0	7.2	77.1
5/22/2017	65.3	37.5	1	6.4	6.4	91.7	91.6	7.9	85.0
5/23/2017	65.0	34.4	1	4.7	4.7	96.4	96.1	7.6	92.6
5/24/2017	75.7	34.1	1	9.9	9.9	106.3	101.4	7.6	100.2
5/25/2017	73.3	40.8	1	12.1	12.1	118.4	109.0	7.4	107.5
5/26/2017	71.8	36.5	1	9.2	9.2	127.5	111.1	8.3	115.8
5/27/2017	67.8	38	1	7.9	7.9	135.4	111.2	8.6	124.4
5/28/2017	67.4	31.4	1	4.4	4.4	139.8	112.7	8.3	132.7
5/29/2017	69.8	34.2	1	7.0	7.0	146.8	119.4	8.2	140.9
5/30/2017	71	35.9	1	8.5	8.5	155.3	130.2	8.9	149.8
5/31/2017	70.7	37.4	1	9.1	9.1	164.3	141.6	9.2	159.0
6/1/2017	69.1	38.7	1	8.9	8.9	173.2	151.6	8.5	167.4
6/2/2017	73.3	39.9	1	11.6	11.6	184.8	163.4	8.6	176.0
6/3/2017	74.6	41.5	1	13.1	13.1	197.9	178.1	9.2	185.2
6/4/2017	79.6	42.9	1	16.3	16.3	214.1	195.3	10.0	195.2
6/5/2017	78.5	44.4	1	16.5	16.5	230.6	211.1	11.2	206.4
6/6/2017	75.4	41.5	1	13.5	13.5	244.0	225.5	11.7	218.0
6/7/2017	71.3	43.9	1	12.6	12.6	256.6	241.0	11.0	229.0
6/8/2017	78.4	43.3	1	15.9	15.9	272.5	253.2	11.0	240.0
6/9/2017	82.7	39.4	1	16.1	16.1	288.5	270.0	11.0	251.0
6/10/2017	83.6	44.8	1	19.2	19.2	307.7	287.5	10.9	261.8

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September 8, 2017

Date	High temp	Low temp	above		D-days	positive	2017	Degree	30 yr avg.	30 yr avg.
			45	Days			Cumulative	Days		
6/11/2017	79.4	45.1	1	17.3	17.3	325.0	304.1	11.7	273.5	
6/12/2017	80.0	42.7	1	16.4	16.4	341.3	323.5	12.6	286.1	
6/13/2017	70.5	42.8	1	11.7	11.7	353.0	339.4	13.3	299.3	
6/14/2017	79.3	36.3	1	12.8	12.8	365.8	350.7	13.7	313.0	
6/15/2017	82.1	37.5	1	14.8	14.8	380.6	365.5	13.4	326.4	
6/16/2017	85.0	46.2	1	20.6	20.6	401.2	380.3	13.6	340.0	
6/17/2017	85.2	47.3	1	21.3	21.3	422.4	399.3	13.7	353.7	
6/18/2017	85.7	48.0	1	21.9	21.9	444.3	420.4	14.7	368.4	
6/19/2017	85.6	49.8	1	22.7	22.7	467.0	440.7	14.1	382.3	
6/20/2017	87.9	50.4	1	24.2	24.2	491.1	464.2	15.4	397.7	
6/21/2017	86.1	55.9	1	26.0	26.0	517.1	484.3	16.1	413.8	
6/22/2017	83.1	48.2	1	20.7	20.7	537.8	505.0	16.1	429.9	
6/23/2017	85.7	45.8	1	20.8	20.8	558.5	523.1	16.2	446.0	
6/24/2017	82.6	41.2	1	16.9	16.9	575.4	540.0	15.8	461.8	
6/25/2017	79.5	46.0	1	17.8	17.8	593.2	558.8	16.1	477.9	
6/26/2017	79.8	44.0	1	16.9	16.9	610.1	578.0	15.9	493.8	
6/27/2017	81.7	42.4	1	17.1	17.1	627.1	597.9	17.8	510.4	
6/28/2017	83.3	40.4	1	16.9	16.9	644.0	613.3	17.2	528.2	
6/29/2017	83.6	44.5	1	19.1	19.1	663.0	629.3	17.2	545.4	
6/30/2017	78.1	41.4	1	14.8	14.8	677.8	645.6	17.1	562.5	
7/1/2017	76.6	38.8	1	12.7	12.7	690.5	662.4	17.5	580.0	
7/2/2017	74.8	40.1	1	12.5	12.5	702.9	675.2	17.9	597.9	
7/3/2017	80.9	46.3	1	18.6	18.6	721.5	691.8	18.1	616.0	
7/4/2017	83.7	46.7	1	20.2	20.2	741.7	707.5	17.7	633.6	
7/5/2017	85.9	47.0	1	21.5	21.5	763.2	726.6	18.1	651.7	
7/6/2017	87.1	46.3	1	21.7	21.7	784.9	745.1	17.6	669.3	
7/7/2017	82.8	46.8	1	19.8	19.8	804.7	765.7	18.2	687.4	
7/8/2017	82.5	48.5	1	20.5	20.5	825.2	784.5	18.1	705.5	
7/9/2017	83.8	46.2	1	20.0	20.0	845.2	802.7	17.9	723.3	
7/10/2017	84.3	46.8	1	20.6	20.6	865.7	823.4	18.8	742.1	
7/11/2017	82.0	49.2	1	20.6	20.6	886.3	842.2	18.4	760.4	
7/12/2017	74.7	52.9	1	18.8	18.8	905.1	860.1	18.3	778.7	
7/13/2017	75.6	47.7	1	16.7	16.7	921.8	876.9	17.9	796.6	
7/14/2017	77.2	50.7	1	19.0	19.0	940.7	897.3	18.4	815.0	
7/15/2017	79.7	51.2	1	20.5	20.5	961.2	914.3	17.7	832.7	
7/16/2017	79.9	46.9	1	18.4	18.4	979.6	932.0	18.1	850.7	
7/17/2017	82.8	48.0	1	20.4	20.4	1000.0	952.4	18.1	868.8	

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Date	High temp	Low temp	above		D-days	positive	2017	Degree	30 yr avg.	30 yr avg.
			45	D-days			Degree Days Cumulative	Degree Days 2016		
7/18/2017	85.2	48.9	1	22.1	22.1	1022.0	973.8	18.1	886.9	
7/19/2017	83.6	52.3	1	23.0	23.0	1045.0	996.5	18.4	905.3	
7/20/2017	84.8	50.1	1	22.5	22.5	1067.4	1018.7	17.6	922.9	
7/21/2017	84.3	51.1	1	22.7	22.7	1090.1	1039.0	17.7	940.6	
7/22/2017	76.6	54.2	1	20.4	20.4	1110.5	1061.2	17.8	958.3	
7/23/2017	81.9	48.2	1	20.1	20.1	1130.6	1086.1	17.5	975.8	
7/24/2017	79.4	49.7	1	19.6	19.6	1150.1	1108.0	17.2	993.0	
7/25/2017	79.0	56.0	1	22.5	22.5	1172.6	1130.1	17.8	1010.7	
7/26/2017	80.3	51.1	1	20.7	20.7	1193.3	1150.3	17.8	1028.5	
7/27/2017	79.9	50.4	1	20.2	20.2	1213.5	1172.0	17.4	1045.9	
7/28/2017	83.3	40.4	1	16.9	16.9	1230.3	1192.8	18.1	1064.0	
7/29/2017	83.6	44.5	1	19.1	19.1	1249.4	1214.1	18.1	1082.1	
7/30/2017	78.1	41.4	1	14.8	14.8	1264.1	1230.3	18.7	1100.7	
7/31/2017	77.8	49.3	1	18.6	18.6	1282.7	1247.7	18.0	1118.7	
8/1/2017	78.4	48.2	1	18.3	18.3	1301.0	1268.4	18.1	1136.8	
8/2/2017	81.3	43.9	1	17.6	17.6	1318.6	1290.0	17.9	1154.7	
8/3/2017	69.5	47.6	1	13.6	13.6	1332.1	1313.4	17.1	1171.8	
8/4/2017	69.2	42.9	1	11.1	11.1	1343.2	1332.3	17.1	1188.8	
8/5/2017	72.0	47.7	1	14.9	14.9	1358.0	1346.2	17.2	1206.0	
8/6/2017	74.7	43.9	1	14.3	14.3	1372.3	1364.2	17.2	1223.1	
8/7/2017	74.0	44.7	1	14.4	14.4	1386.7	1383.1	17.8	1240.9	
8/8/2017	71.5	44.5	1	13.0	13.0	1399.7	1399.9	17.5	1258.4	
8/9/2017	75.5	44.3	1	14.9	14.9	1414.6	1416.9	16.8	1275.2	
8/10/2017	79.3	44.4	1	16.9	16.9	1431.4	1435.3	16.1	1291.3	
8/11/2017	71.3	46.7	1	14.0	14.0	1445.4	1453.2	16.1	1307.3	
8/12/2017	78.2	43.9	1	16.1	16.1	1461.5	1470.7	16.6	1323.9	
8/13/2017	73.7	49.4	1	16.6	16.6	1478.0	1485.6	16.0	1339.9	
8/14/2017	78.2	47.0	1	17.6	17.6	1495.6	1502.1	15.4	1355.3	
8/15/2017	76.4	42.1	1	14.3	14.3	1509.9	1517.1	15.6	1370.8	
8/16/2017	77.0	43.5	1	15.3	15.3	1525.1	1532.0	16.1	1386.9	
8/17/2017	80.4	41.4	1	15.9	15.9	1541.0	1547.0	16.4	1403.3	
8/18/2017	80.9	45.5	1	18.2	18.2	1559.2	1561.9	16.1	1419.4	
8/19/2017	83.2	42.6	1	17.9	17.9	1577.1	1576.9	16.2	1435.6	
8/20/2017	81.4	43.2	1	17.3	17.3	1594.4	1591.8	15.3	1450.9	
8/21/2017	80.7	45.6	1	18.2	18.2	1612.6	1606.8	15.4	1466.3	
8/22/2017	73.6	48.1	1	15.9	15.9	1628.4	1621.7	15.3	1481.6	

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			45	D-days			Cumulative	Days		
8/23/2017	79.3	44.5	1	16.9	16.9	1645.3	1636.7	15.3	1496.9	
8/24/2017	74.2	47.3	1	15.8	15.8	1661.1	1651.6	15.1	1512.0	
8/25/2017	79.5	41.7	1	15.6	15.6	1676.7	1666.6	14.9	1526.9	
8/26/2017	83.0	47.3	1	20.2	20.2	1696.8	1681.5	14.4	1541.3	
8/27/2017	84.4	44.5	1	19.5	19.5	1716.3	1696.5	14.7	1556.0	
8/28/2017	82.0	44.5	1	18.3	18.3	1734.5	1711.4	14.8	1570.8	
8/29/2017	81.9	43.5	1	17.7	17.7	1752.2	1726.4	14.5	1585.3	
8/30/2017	82.7	42.7	1	17.7	17.7	1769.9	1741.3	13.9	1599.2	
8/31/2017	78.3	43.4	1	15.9	15.9	1785.8	1756.3	13.5	1612.7	
9/1/2017	78.7	49.1	1	18.9	18.9	1804.7	1771.2	13.1	1625.8	
9/2/2017	81.4	43.2	1	17.3	17.3	1822.0	1786.2	12.7	1638.5	
9/3/2017	85.1	44	1	19.6	19.6	1841.5	1801.1	12.3	1650.8	
9/4/2017	83.3	45.3	1	19.3	19.3	1860.8	1816.1	11.9	1662.7	
9/5/2017	80.8	43.5	1	17.2	17.2	1878.0	1831.0	11.5	1674.2	
9/6/2017	81.3	40.3	1	15.8	15.8	1893.8	1846.0	11.1	1685.3	
9/7/2017	78.5	44.1	1	16.3	16.3	1910.1	1860.9	10.7	1696.0	
9/8/2017			0	0.0	0.0	1910.1	1875.9	10.3	1706.3	
9/9/2017			0	0.0	0.0	1910.1	1890.8	9.9	1716.2	
9/10/2017			0	0.0	0.0	1910.1	1905.8	9.5	1725.7	
9/11/2017			0	0.0	0.0	1910.1	1920.7	9.1	1734.8	
9/12/2017			0	0.0	0.0	1910.1	1935.7	8.7	1743.5	
9/13/2017			0	0.0	0.0	1910.1	1950.6	8.3	1751.8	
9/14/2017			0	0.0	0.0	1910.1	1965.6	7.9	1759.7	
9/15/2017			0	0.0	0.0	1910.1	1980.5	7.5	1767.2	

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

