

## 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

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

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### Early Blight Degree Days Worksheet:

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

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**August 3, 2015**

Date	High temp	Low temp	above			2015	Degree	Degree	30 yr avg.	30 yr avg.
			45	D-days	positive	Days	Days			
						Cumulative	2014	positive	Cumulative	
6/11/2015	77.3	44.0	1	15.7	15.7	<b>263.1</b>	319.8	11.7	273.5	
6/12/2015	74.6	44.6	1	14.6	14.6	<b>277.7</b>	331.8	12.6	286.1	
6/13/2015	74.4	45.3	1	14.9	14.9	<b>292.6</b>	344.4	13.3	299.3	
6/14/2015	75.8	38.8	1	12.3	12.3	<b>304.9</b>	356.0	13.7	313.0	
6/15/2015	78.5	38.4	1	13.4	13.4	<b>318.3</b>	363.7	13.4	326.4	
6/16/2015	74.2	45.3	1	14.8	14.8	<b>333.1</b>	374.8	13.6	340.0	
6/17/2015	80.2	44.1	1	17.2	17.2	<b>350.3</b>	391.1	13.7	353.7	
6/18/2015	85.2	41.7	1	18.4	18.4	<b>368.7</b>	401.3	14.7	368.4	
6/19/2015	86.2	44.1	1	20.2	20.2	<b>388.9</b>	412.1	14.1	382.3	
6/20/2015	88.3	44.0	1	21.1	21.1	<b>410.0</b>	428.3	15.4	397.7	
6/21/2015	91.3	44.5	1	22.9	22.9	<b>432.9</b>	443.8	16.1	413.8	
6/22/2015	92.2	42.5	1	22.3	22.3	<b>455.2</b>	459.1	16.1	429.9	
6/23/2015	88.9	45.8	1	22.3	22.3	<b>477.6</b>	471.6	16.2	446.0	
6/24/2015	86.1	49.8	1	22.9	22.9	<b>500.5</b>	487.4	15.8	461.8	
6/25/2015	84.8	44.0	1	19.4	19.4	<b>519.9</b>	505.5	16.1	477.9	
6/26/2015	89.9	45.7	1	22.8	22.8	<b>542.7</b>	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	<b>583.8</b>	551.0	17.2	528.2	
6/29/2015	81.9	49.8	1	20.9	20.9	<b>604.6</b>	569.3	17.2	545.4	
6/30/2015	87.3	51.1	1	24.2	24.2	<b>628.8</b>	590.8	17.1	562.5	
7/1/2015	84.9	52.7	1	23.8	23.8	<b>652.6</b>	605.8	17.5	580.0	
7/2/2015	78.4	52.7	1	20.6	20.6	<b>673.2</b>	621.0	17.9	597.9	
7/3/2015	77.2	46.8	1	17.0	17.0	<b>690.2</b>	634.5	18.1	616.0	
7/4/2015	80.8	47.9	1	19.4	19.4	<b>709.5</b>	651.1	17.7	633.6	
7/5/2015	80.6	51.4	1	21.0	21.0	<b>730.5</b>	669.8	18.1	651.7	
7/6/2015	76.9	50.4	1	18.7	18.7	<b>749.2</b>	691.3	17.6	669.3	
7/7/2015	67.3	47.4	1	12.4	12.4	<b>761.5</b>	711.7	18.2	687.4	
7/8/2015	61.7	46.1	1	8.9	8.9	<b>770.4</b>	728.9	18.1	705.5	
7/9/2015	70.2	42.2	1	11.2	11.2	<b>781.6</b>	747.8	17.9	723.3	
7/10/2015	75.1	42.7	1	13.9	13.9	<b>795.5</b>	766.4	18.8	742.1	
7/11/2015	78.9	42.3	1	15.6	15.6	<b>811.1</b>	785.7	18.4	760.4	
7/12/2015	80.6	47.5	1	19.1	19.1	<b>830.2</b>	805.7	18.3	778.7	
7/13/2015	75.6	49.8	1	17.7	17.7	<b>847.9</b>	826.2	17.9	796.6	
7/14/2015	72.2	47.7	1	15.0	15.0	<b>862.8</b>	847.7	18.4	815.0	
7/15/2015	74.5	46.0	1	15.3	15.3	<b>878.1</b>	865.9	17.7	832.7	
7/16/2015	77.4	44.9	1	16.2	16.2	<b>894.2</b>	878.9	18.1	850.7	
7/17/2015	74.4	44.9	1	14.7	14.7	<b>908.9</b>	896.4	18.1	868.8	

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Date	High temp	Low temp	above 45	D-days	positive	2015 Degree Days Cumulative	Degree Days 2014	30 yr avg. positive	30 yr avg. Cumulative
7/18/2015	77.7	45.1	1	16.4	16.4	<b>925.3</b>	913.0	18.1	886.9
7/19/2015	71.6	51.4	1	16.5	16.5	<b>941.8</b>	929.2	18.4	905.3
7/20/2015	72.7	47.5	1	15.1	15.1	<b>956.9</b>	945.7	17.6	922.9
7/21/2015	76.6	50.1	1	18.4	18.4	<b>975.2</b>	965.9	17.7	940.6
7/22/2015	77.5	43.9	1	15.7	15.7	<b>990.9</b>	987.6	17.8	958.3
7/23/2015	81.2	43.1	1	17.2	17.2	<b>1008.1</b>	1010.6	17.5	975.8
7/24/2015	80.5	46.2	1	18.4	18.4	<b>1026.4</b>	1031.6	17.2	993.0
7/25/2015	80.9	47.6	1	19.3	19.3	<b>1045.7</b>	1053.6	17.8	1010.7
7/26/2015	77.8	48.2	1	18.0	18.0	<b>1063.7</b>	1075.5	17.8	1028.5
7/27/2015	80.9	50.3	1	20.6	20.6	<b>1084.3</b>	1093.3	17.4	1045.9
7/28/2015	82.7	43.7	1	18.2	18.2	<b>1102.5</b>	1112.9	18.1	1064.0
7/29/2015	75.7	48.6	1	17.2	17.2	<b>1119.6</b>	1128.3	18.1	1082.1
7/30/2015	80.0	44.7	1	17.4	17.4	<b>1137.0</b>	1145.1	18.7	1100.7
7/31/2015	80.2	52.1	1	21.2	21.2	<b>1158.1</b>	1158.8	18.0	1118.7
8/1/2015			0	0.0	0.0	<b>1158.1</b>	1171.8	18.1	1136.8
8/2/2015			0	0.0	0.0	<b>1158.1</b>	1185.2	17.9	1154.7
8/3/2015			0	0.0	0.0	<b>1158.1</b>	1200.8	17.1	1171.8
8/4/2015			0	0.0	0.0	<b>1158.1</b>	1216.6	17.1	1188.8
8/5/2015			0	0.0	0.0	<b>1158.1</b>	1231.7	17.2	1206.0
8/6/2015			0	0.0	0.0	<b>1158.1</b>	<b>1248.6</b>	<b>17.2</b>	<b>1223.1</b>
8/7/2015			0	0.0	0.0	<b>1158.1</b>	1264.1	17.8	1240.9
8/8/2015			0	0.0	0.0	<b>1158.1</b>	1278.1	17.5	1258.4
8/9/2015			0	0.0	0.0	<b>1158.1</b>	1294.7	16.8	1275.2
8/10/2015			0	0.0	0.0	<b>1158.1</b>	1309.2	16.1	1291.3
8/11/2015			0	0.0	0.0	<b>1158.1</b>	1323.2	16.1	1307.3
8/12/2015			0	0.0	0.0	<b>1158.1</b>	1340.7	16.6	1323.9
8/13/2015			0	0.0	0.0	<b>1158.1</b>	1357.1	16.0	1339.9
8/14/2015			0	0.0	0.0	<b>1158.1</b>	1375.1	15.4	1355.3
8/15/2015			0	0.0	0.0	<b>1158.1</b>	1393.5	15.6	1370.8
8/16/2015			0	0.0	0.0	<b>1158.1</b>	1411.2	16.1	1386.9
8/17/2015			0	0.0	0.0	<b>1158.1</b>	1429.1	16.4	1403.3
8/18/2015			0	0.0	0.0	<b>1158.1</b>	1445.8	16.1	1419.4
8/19/2015			0	0.0	0.0	<b>1158.1</b>	1464.8	16.2	1435.6
8/20/2015			0	0.0	0.0	<b>1158.1</b>	1484.5	15.3	1450.9
8/21/2015			0	0.0	0.0	<b>1158.1</b>	1500.3	15.4	1466.3
8/22/2015			0	0.0	0.0	<b>1158.1</b>	1509.8	15.3	1481.6
8/23/2015			0	0.0	0.0	<b>1158.1</b>	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	<b>1158.1</b>	1538.4	15.1	1512.0
8/25/2015			0	0.0	0.0	<b>1158.1</b>	1552.2	14.9	1526.9
8/26/2015			0	0.0	0.0	<b>1158.1</b>	1565.9	14.4	1541.3
8/27/2015			0	0.0	0.0	<b>1158.1</b>	1578.9	14.7	1556.0
8/28/2015			0	0.0	0.0	<b>1158.1</b>	1590.1	14.8	1570.8
8/29/2015			0	0.0	0.0	<b>1158.1</b>	1602.3	14.5	1585.3
8/30/2015			0	0.0	0.0	<b>1158.1</b>	1615.2	13.9	1599.2
8/31/2015			0	0.0	0.0	<b>1158.1</b>	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