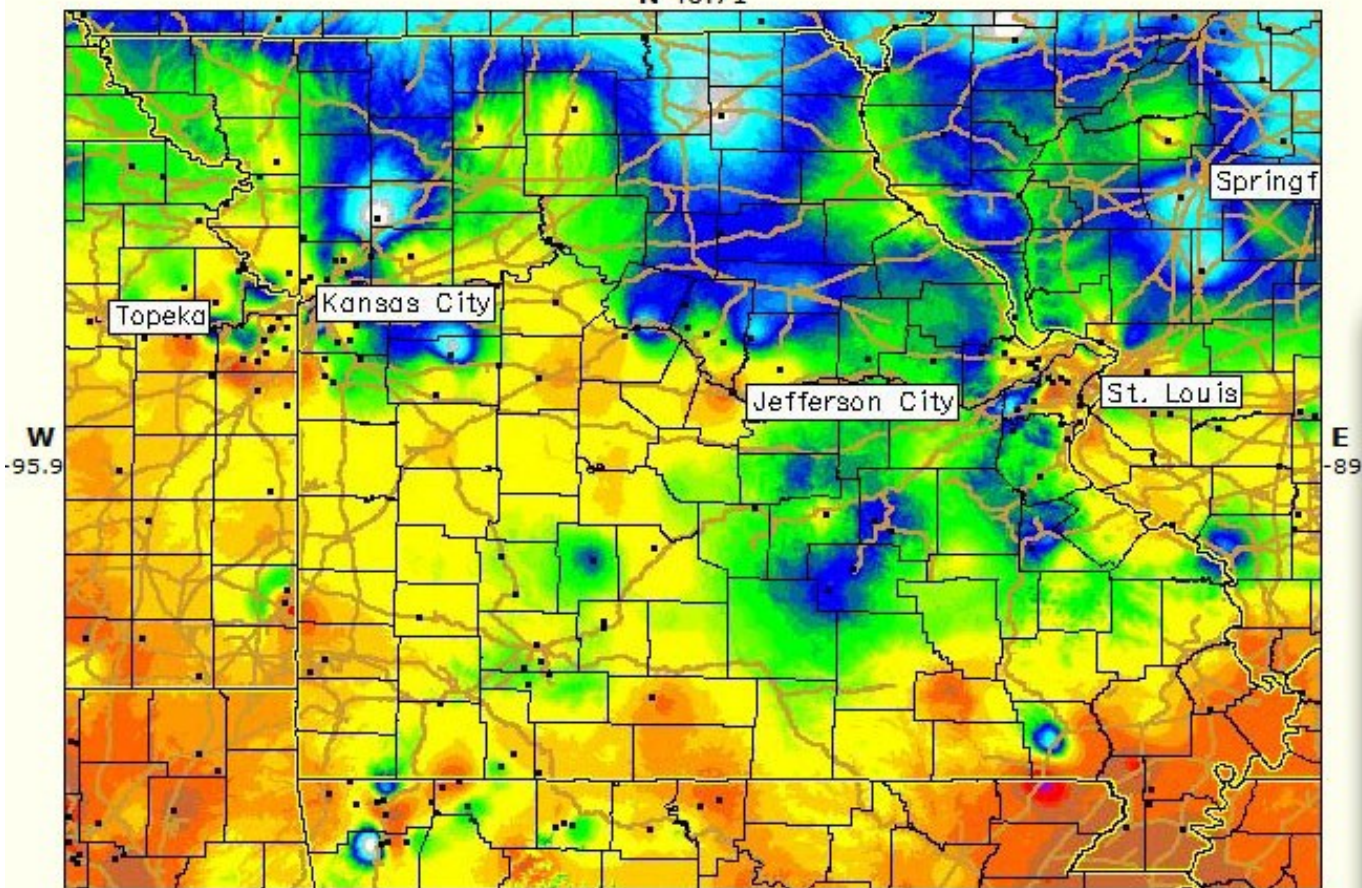


Cumulative degree-days base 47 in Missouri Apr 5 - Jul 10 2012

N 40.71



S 35.88

Query Zoom in Zoom out Recenter

**Items Mapped:**

- Basemap: **Base 47 DDs**
- **Counties** in black
- **States** in yellow
- **Railroads** in brown
- in black
- Sites: **Major city labels** in grey
- Sites: **Degree-day calculator** in black
- Region: **MO - 38s resolution**

Gen. #	Cum. DD	Spray period
1st	400-800	7 to 26 May
2nd	1300-1700	15 to 28 June
3rd	2300-2700	16 to 30 July
4th	3300-3700	19-31 August

## Third Hatch Period - Grape Berry Moth (GBM)

This is a degree day accumulation map for Missouri. Zoom in and check the map for your isotherm to see if you're in or close to the third hatch period (2300 degree days). If so, you need to be scouting your vineyard for GBM damage (see photo next page). If you find GBM damage, consult your spray guide for treatment and continue to check approximately every ten days thereafter. The table to the right of the legend and on the following page should give you approximate periods to go look for new GBM larval activity and help time GBM sprays.



**New Grape Berry Moth Larval Damage**

Photo courtesy of Donn Johnson, UA

<u>Gen. #</u>	<u>Cum. DD</u>	<u>Spray period</u>
1 <sup>st</sup>	400-800	7 to 26 May
2 <sup>nd</sup>	1300-1700	15 to 28 June
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Consult your  
[2012 Midwest Small Fruit and Grape  
Spray Guide](#)  
for more information

## Third Hatch Period - Grape Berry Moth (GBM)

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Thanks to entomologist Dr. Donn Johnson, University of Arkansas for providing this information. [dtjohnso@uark.edu](mailto:dtjohnso@uark.edu)