

# Northern Michigan FruitNet 2013

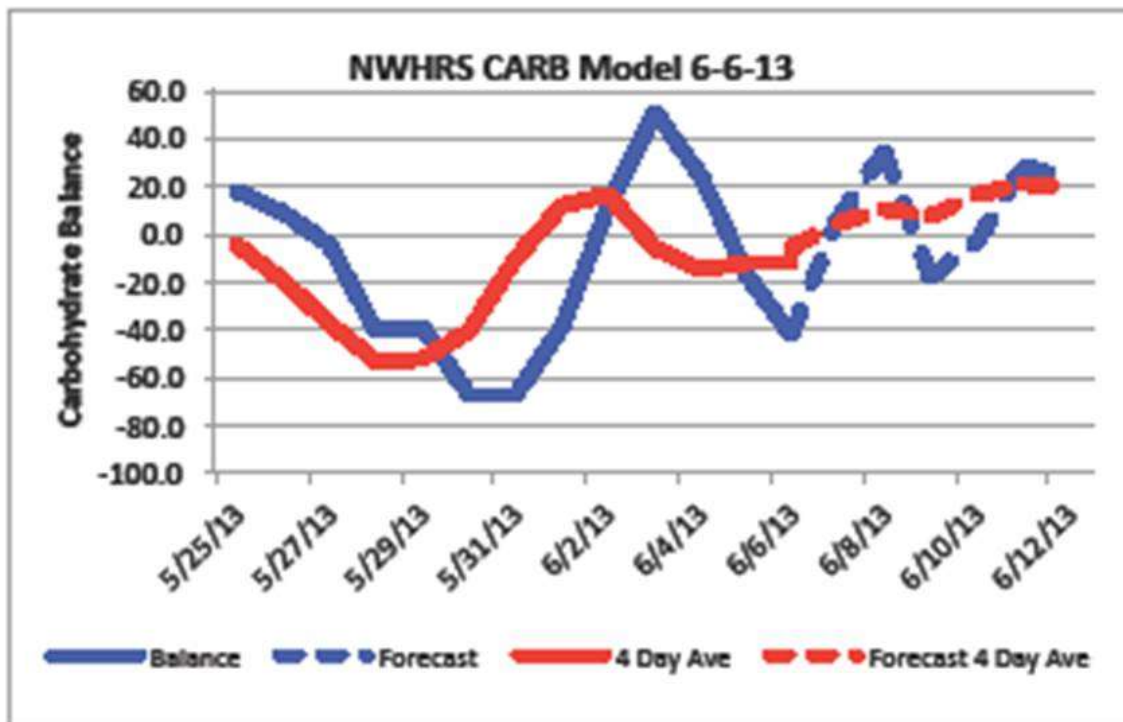
## Northwest Michigan Horticultural Research Center

### Special Update

June 6, 2013

### CURRENT APPLE THINNING MODEL

Phil Schwallier just developed the newest carbohydrate model for NW Michigan. As you can see, the model is predicting a surplus of energy in the trees, so thinning will be difficult. However, most apples are entering the optimal thinning time (8-15mm), and if forecasts are correct, we may warm up a little this weekend. We recommend that growers try to get out and thin over the weekend. Phil is recommending normal to aggressive rates. Please see the recommendation column on the table below—this recommendation is for apples in the optimal thinning window, which is now for most apples throughout the region.



NWHRs	Solar Rad	Min	Max	Carb Balance	4 Day Ave	Recommendation
5/23/13	15.9	38	51	9.5	14.3	Increase 30%
5/24/13	28.5	34	57	22.2	10.8	Increase 30%
5/25/13	28.6	35	65	17.5	-5.2	Use Standard Rate
5/26/13	26.7	38	69	7.9	-19.3	Use Standard Rate
5/27/13	24.9	43	71	-4.6	-38.3	Reduce 15%
5/28/13	4.0	53	60	-41.4	-53.9	Reduce 30%
5/29/13	14.1	51	76	-39.2	-53.4	Reduce 30%
5/30/13	23.3	64	87	-67.9	-40.8	Reduce 30%
5/31/13	20.5	67	81	-67.2	-11.2	Use Standard Rate
6/1/13	18.5	59	77	-39.4	11.3	Increase 30%
6/2/13	13.1	40	59	11.1	16.4	Increase 30%
6/3/13	28.2	37	63	50.6	-6.3	Use Standard Rate
6/4/13	17.0	40	64	22.8	-15.2	Use Standard Rate
6/5/13	5.8	46	59	-19.1	-12.9	Use Standard Rate
6/6/13	5.0	50	68	-42.8	-12.7	Use Standard Rate
6/7/13	13.0	48	67	5.9	4.5	Increase 30%
6/8/13	21.0	47	71	34.3	10.1	Increase 30%
6/9/13	9.0	52	69	-18.2	7.1	Increase 30%
6/10/13	13.0	54	72	-4.2	15.6	Increase 30%
6/11/13	21.0	52	75	28.3	20.9	Increase 30%
6/12/13	21.0	56	77	22.3	18.5	Increase 30%

## **WEBSITES OF INTEREST**

Insect and disease predictive information is available at:

<http://enviroweather.msu.edu/homeMap.php>

60 Hour Forecast

<http://www.agweather.geo.msu.edu/agwx/forecasts/fcst.asp?fileid=fous46ktvc>

Information on cherries is available at the new cherry website:

<http://www.cherries.msu.edu/>

Fruit CAT Alert Reports have moved to MSU News

<http://news.msue.msu.edu>