



Virginia creeper leafhopper (VCLH) egg monitoring:

On April 1st we observed the first VCLH eggs on Chardonnay and Grenache at the vineyards we are monitoring in Talmage, Hopland and McDowell Valley, Mendocino County. On April 8th there was an increase on the average number of eggs per leaf in the Grenache vineyard (see attached Fig. 1); the number of eggs per leaf at the Chardonnay vineyards did not increase (Fig. 1). Between 0 to 9% of the eggs were dead.

Using degree-day model and Ukiah weather data for the last two years (2013-2014), development time for VCLH egg will take approximately 31 days. Assuming the temperatures for the month of April are similar to the last two years, we may expect to see egg hatch by the end of this month or the beginning of May.

The first Western grape leafhopper eggs were observed on the leaves sampled on April 8th at three locations.

Average number of VCLH eggs per leaf on Grenache and Chardonnay leaves at four Mendocino County vineyards:

Variety, Location	March 25	April 1		April 8	
	Average #	Average #	% dead	Average #	% dead
	eggs/leaf	eggs/leaf	eggs	eggs/leaf	eggs
Chardonnay, Hopland	0	2	7	2	0
Grenache, Hopland	0	20	1	35	1
Chardonnay, Talmage Block A	Not sampled	13	-	10	8
Chardonnay, McDowell Valley	Not Sampled	0	-	13	9

Figure 1 – Average number of viable and dead eggs per leaf on Chardonnay and Grenache at four Mendocino County vineyard locations.

