

# WildAgain Wildlife Rehabilitation

## Reconstitution Tests - Fox Valley 20/50

### Findings

Based on the described methodology, two lots of Fox Valley 20/50 were tested, with the results summarized in the inset box at right and more fully displayed below. [NOTE: The discussion below is based on average performance between the two lots, with notable performance differences evident between the two lots.]

Reconstitution efficiency Cluster size < 1,000µm	InterQuartile Mean		
	Resting time		
Product/Water temp.	Instant	8Hr	12Hr
FV 20/50 040489 100F	79.2%	89.1%	89.4%
FV 20/50 040489 160F	89.7%	84.3%	83.9%
FV 20/50 040989 100F	93.2%	91.5%	91.7%
FV 20/50 040989 160F	91.7%	92.0%	85.5%
100F (average all lots)	86%	90%	91%
160F (average all lots)	91%	88%	85%

In summary, the following observations were noted:

### Water temperature used for mixing

It appears that sometime during the last 10 years or so Fox Valley 20/50 may have undergone some changes in either its formulation or its production process - though this is only speculation. Ten years ago, WildAgain's reconstitution tests showed better results using a higher water temperature (160°F) when reconstituting into a final formula. The current round of testing no longer supports those earlier findings. Rather, it indicates water temperature affects performance depending on whether the user mixes and feeds instantly or waits and allows the formula to rest for 8-12 hours.

### Resting time after mixing

The prior round of testing showed best results when the formula was mixed and then allowed some period of time to rest, and not used as an 'instant mix'. The current round of testing no longer supports those earlier findings. Rather, it indicates resting time affects performance differently depending on water temperature used for mixing.

### Summary

Based on the test results in these two lots of Fox Valley 20/50, results were mixed. If using warm water (100°F) for mixing, performance was better when allowed to rest 8-12 hours.

Conversely, if hotter water (160°F) was used for mixing, performance declined with resting time. To restate, the two lots performed very differently as shown below.

