WildAgain Wildlife Rehabilitation
Reconstitution Tests - Fox Valley 32/40

Findings

Based on the described methodology, a single lot of Fox Valley 32/40 was tested, with the results summarized in the inset box at right and more fully displayed below.

Reconstitution efficiency Cluster size < 1,000µm	InterQuartile Mean		
	Resting time		
Product/Water temp.	Instant	8Hr	12Hr
FV 32/40 11729 100F	91.7%	92.4%	92.3%
FV 32/40 11729 160F	92.7%	87.1%	89.6%
100F (average all lots)	92%	92%	92%
160F (average all lots)	93%	87%	90%

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 32/40 may have undergone some changes in either its formulation or its manufacturing 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 shows mixed results compared to those earlier findings. When using only a warm water temperature (100°F), on average, a very consistent result was observed. However, at the hotter water temperature (160°F), the instant mix performed best, with declines noted when the formula was allowed to rest.

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 confirms this earlier finding. Resting time had no affect when using the warm water (100°F) temperature. When using the hotter water (160°F), resting time produced declines in performance, on average.

Summary

Based on the test results in this single of Fox Valley 32/40, more consistent results may be achieved by 1) using warm water (100°F) for mixing, with resting time having no measurable effect.

Fox Valley 32/40 Reconstitution Efficiency - (cluster size <1,000μm)