TABLE 8. Comparison of growth over time by frequency (f/m²) from dm² grid in upland *H. helix* from a randomized block design experiment replicated 10 times (and a paired plot design experiment)

Characteristics	Treatments		
	1 year of growth	1.25 years of growth	control no treatment
Original F. Data			
Standard deviation	14.8	6.6	0.0
Mean f/m²	86.6	94.8	100.0
Arc Sine Trans. Data			
Mean f/m²	71.1	80.5	90.0
Corrected mean	89.5	97.3	100.0

Bartlett's: $\chi^2_{2\ df}$ original data = 100.333; significant variance beyond 0.001; arc sine transformed = 95.066; significant variance beyond 0.001; $\sqrt{(100 - x) + 0.5}$ trans. = 61.264; significant variance beyond 0.001; logarithmic trans. = 12.292; significant variance at 0.005.

Paired plot design experiment: One year and 1.25 years of growth;

Results: Original data, modified $t_{9\ df} = 1.600$; not significant at 0.1; arc sine transformed data, $t_{9\ df} = 6.489$; significant beyond 0.001.

Biology: There are probably no real differences between the control and 1.25 years of growth, but the data seem to indicate differences with the two other comparisons.