

TABLE 13. Comparison of 1 year with 1.25 years of growth by frequency ( $f/m^2$ ) from  $dm^2$  grid in flood-plain *H. helix* from a paired plot design experiment with seven replications

Characteristics	Treatments	
	1 year of growth	1.25 years of growth
Original F. Data		
Standard deviation	28.1	20.8
Mean $f/m^2$	64.1	24.7
Arc Sine Trans. Data		
Mean $f/m^2$	54.0	27.2
Corrected mean	65.5	20.9

$t$  tests for paired plots:  $t_{6\ df} = 2.987$  (original) and 2.877 (transformed); significant at 0.025 and 0.05, respectively.

Variance ratio:  $F_{orig.} = 1.818$  and  $F_{trans.} = 1.210$ ; both are not significant at 0.1

Individual  $\chi^2_{1\ df}$  for each pair of plots: all seven pairs show significant differences (one pair at 0.02 and six pairs beyond 0.001).

Heterogeneity  $\chi^2_{6\ df} = 1053.588$ ; significant beyond 0.001.