

TABLE 11. Comparison of 1 year of growth with control 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 (April readings)	
	control	1 year of growth
Original F. Data		
Standard deviation	0	28.1
Mean f/m^2	100	64.1
Arc Sine Trans. Data		
Mean f/m^2	90	54.0
Corrected mean	100	65.5

Modified t tests: $t_{6\ df} = 3.379$; significant at 0.02 for original data; and $t_{6\ df} = 5.354$; significant at 0.005 for transformed data.

Variance ratio: $F_{orig.} = 787809.52$ and $F_{trans.} = 315647.33$; both are significant beyond 0.001.

Individual $\chi^2_{1\ df}$ for each pair of plots: five out of seven pairs show significant differences (one pair at 0.05, one pair at 0.01, one pair at 0.005, and two pairs beyond 0.001).

Heterogeneity $\chi^2_{6\ df} = 47.268$; significant beyond 0.001.