

TABLE 37. Comparison of *Parthenocissus quinquefolia* in *L. japonica* natural and cleared understories from *L. japonica* weeded (treated) and *L. japonica* unweeded (control) 1 × 1-m plots by a complete randomization design experiment on square root ( $\sqrt{x + 0.5}$ ) transformed data (no./m<sup>2</sup>)

| Habitat            | m <sup>2</sup> plot replications | Results                              |                         |                              |                              |                     |                     |
|--------------------|----------------------------------|--------------------------------------|-------------------------|------------------------------|------------------------------|---------------------|---------------------|
|                    |                                  | Standard deviation <sup>a</sup> 1971 | Standard deviation 1972 | Mean no./m <sup>2</sup> 1971 | Mean no./m <sup>2</sup> 1972 | Corrected mean 1971 | Corrected mean 1972 |
| Natural understory | 8                                | —                                    | —                       | —                            | —                            | —                   | —                   |
| Cleared understory | 10                               | —                                    | —                       | —                            | —                            | —                   | —                   |

Modified  $t' = 2.169$ ; significant at 0.1 (Snedecor).

Modified  $t_{14 \text{ df}} = 2.169$ ; significant at 0.05 (Satterthwaite).

Unmodified  $t_{16 \text{ df}} = 2.037$ ; significant at 0.1.

<sup>a</sup>The differences which resulted from the paired plot  $t$  test of control and treated plots in natural understory *Lonicera* were compared by unpaired  $t$  tests with the differences from the paired plot  $t$  test of control and treated plots in cleared understory *Lonicera*. There is, then, no standard deviation or mean of biological value. See Tables 30 and 35 for means and standard deviations that reflect the biology of the situation.