**SIMPSON INDEX (The highest value, the highest biodiversity). This index is based on richness (number of species) and evennes (relative abundance of each species).**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ECOSYSTEM NUMBER | 1 | 2 | 3 | 4 | 5 | 6 |

QUADRATS SELECTION (5 quadrats or tiles chosen at random per trial)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TRIAL 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| TRIAL 2 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| TRIAL 3 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Species | Blue n | Green n | Yellow n | Red n | Pink n | White n | Brown n | Grey n | Orange n | TOTAL N |
| AbundanceTRIAL 1 |  |  |  |  |  |  |  |  |  |  |
| AbundanceTRIAL 1 |  |  |  |  |  |  |  |  |  |  |
| AbundanceTRIAL 3 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |

$$SIMPSON INDEX= \frac{N x (N-1)}{∑n x (n-1)}$$

|  |  |
| --- | --- |
| SIMPSON’S INDEX TRIAL 1 |  |
| SIMPSON’S INDEX TRIAL 2 |  |
| SIMPSON’S INDEX TRIAL 3 |  |
| AVERAGE |  |