



UNIVERSITÀ
DI PAVIA



Regione Lombardia



Progetto ResQ:

“Deperimento della quercia nei boschi planiziali:

studio multidisciplinare per la selezione di risorse genetiche resistenti”

Elenco dei parametri statistici descrittivi relativi alle cronologie individuali e alle cronologie medie stagionali delle farnie (*Quercus robur*) campionate nel sito di Garbagnate (GAR), Parco delle Groane, Cesate (MI), in data 27-28/05/2021.

Pag. 2 - Individui sani

Pag. 3 - Individui deperienti

Lista Individui Sani

| | Individuo | Diametro [cm] | Altezza [m] | Anni | Periodo | Media [mm] | Deviazione standard | Auto Correlazione | Sensitività media |
|----|------------------|----------------------|--------------------|-------------|----------------|-------------------|----------------------------|--------------------------|--------------------------|
| 1 | GAR001SQ | 53 | 26.5 | 71 | 1950-2020 | 2.89 | 0.79 | 0.737 | 0.157 |
| 2 | GAR002SQ | 54 | 22.5 | 64 | 1957-2020 | 3.21 | 1.27 | 0.734 | 0.201 |
| 3 | GAR003SQ | 61 | 23.1 | 78 | 1943-2020 | 3.28 | 1.77 | 0.787 | 0.262 |
| 4 | GAR004SQ | 59 | 25.2 | 72 | 1949-2020 | 3.55 | 1.15 | 0.444 | 0.283 |
| 5 | GAR005SQ | 56 | 28 | 91 | 1930-2020 | 2.56 | 1.05 | 0.734 | 0.224 |
| 6 | GAR006SQ | 58 | 26 | 79 | 1942-2020 | 3.55 | 1.99 | 0.699 | 0.290 |
| 7 | GAR007SQ | 48 | 23.1 | 65 | 1956-2020 | 2.01 | 0.72 | 0.759 | 0.193 |
| 8 | GAR008SQ | 77 | 30.2 | 69 | 1952-2020 | 4.89 | 1.76 | 0.587 | 0.259 |
| 9 | GAR009SQ | 49 | 25.6 | 78 | 1943-2020 | 2.69 | 0.95 | 0.813 | 0.155 |
| 10 | GAR010SQ | 57 | 24.4 | 64 | 1957-2020 | 3.62 | 1.47 | 0.780 | 0.208 |
| 11 | GAR011SQ | 62 | 20.6 | 76 | 1945-2020 | 3.33 | 1.43 | 0.766 | 0.205 |
| 12 | GAR012SQ | 68 | 22.2 | 47 | 1974-2020 | 5.04 | 2.16 | 0.812 | 0.187 |
| 13 | GAR013SQ | 62 | 21.7 | 66 | 1955-2020 | 3.93 | 1.91 | 0.693 | 0.245 |
| 14 | GAR014SQ | 55 | 23.6 | 83 | 1938-2020 | 3.00 | 1.45 | 0.741 | 0.278 |
| 15 | GAR015SQ | 47 | 25.8 | 58 | 1963-2020 | 3.30 | 1.13 | 0.650 | 0.224 |
| 16 | GAR016SQ | 60 | 27.4 | 69 | 1952-2020 | 3.36 | 1.29 | 0.640 | 0.250 |
| 17 | GAR017SQ | 45 | 23.3 | 64 | 1957-2020 | 2.84 | 1.44 | 0.774 | 0.246 |
| 18 | GAR018SQ | 58 | 24.8 | 79 | 1942-2020 | 3.40 | 1.11 | 0.619 | 0.195 |
| 19 | GAR019SQ | 51.5 | 22.4 | 58 | 1963-2020 | 3.42 | 2.01 | 0.721 | 0.298 |
| 20 | GAR020SQ | 55 | 23.4 | 87 | 1934-2020 | 2.90 | 1.44 | 0.753 | 0.252 |
| 21 | GAR021SQ | 67 | 25.4 | 79 | 1942-2020 | 3.35 | 1.08 | 0.597 | 0.200 |
| 22 | GAR022SQ | 64 | 28.8 | 57 | 1964-2020 | 2.88 | 1.35 | 0.881 | 0.169 |
| 23 | GAR023SQ | 56 | 27.5 | 91 | 1930-2020 | 2.68 | 1.45 | 0.776 | 0.256 |
| 24 | GAR024SQ | 51 | 19.2 | 74 | 1947-2020 | 3.03 | 1.47 | 0.879 | 0.184 |
| 25 | GAR025SQ | 60 | 30.1 | 76 | 1945-2020 | 3.43 | 1.26 | 0.667 | 0.229 |
| 26 | GAR026SQ | 46 | 20.1 | 52 | 1969-2020 | 3.15 | 1.44 | 0.701 | 0.254 |

| Media | Diametro [cm] | Altezza [m] | Anni | Periodo | Media [mm] | Deviazione standard | Auto Correlazione | Sensitività media |
|-----------------|----------------------|--------------------|-------------|----------------|-------------------|----------------------------|--------------------------|--------------------------|
| GARSMEDQ | 57 | 24.6 | 91 | 1930-2020 | 3.12 | 1.03 | 0.793 | 0.175 |

Lista Individui Deperienti

| | Individuo | Diametro [cm] | Altezza [m] | Anni | Periodo | Media [mm] | Deviazione standard | Auto Correlazione | Sensibilità media |
|----|------------------|----------------------|--------------------|-------------|----------------|-------------------|----------------------------|--------------------------|--------------------------|
| 1 | GAR001DQ | 61 | 22.0 | 68 | 1953-2020 | 3.30 | 1.77 | 0.838 | 0.211 |
| 2 | GAR002DQ | 51 | 22.6 | 83 | 1938-2020 | 2.64 | 1.65 | 0.841 | 0.224 |
| 3 | GAR003DQ | 68 | 25.6 | 74 | 1947-2020 | 3.51 | 1.90 | 0.848 | 0.219 |
| 4 | GAR004DQ | 68 | 19.6 | 83 | 1938-2020 | 2.92 | 1.52 | 0.794 | 0.246 |
| 5 | GAR005DQ | 68 | 28.1 | 92 | 1929-2020 | 3.18 | 1.75 | 0.915 | 0.201 |
| 6 | GAR006DQ | 48.5 | 23.6 | 80 | 1941-2020 | 2.26 | 0.94 | 0.741 | 0.234 |
| 7 | GAR007DQ | 46 | 23.6 | 70 | 1951-2020 | 2.54 | 1.08 | 0.742 | 0.237 |
| 8 | GAR008DQ | 66 | 25.4 | 71 | 1950-2020 | 3.85 | 1.65 | 0.643 | 0.275 |
| 9 | GAR009DQ | 50 | 22.3 | 69 | 1952-2020 | 2.54 | 1.40 | 0.709 | 0.293 |
| 10 | GAR010DQ | 46 | 19.0 | 65 | 1956-2020 | 2.35 | 1.43 | 0.766 | 0.310 |
| 11 | GAR011DQ | 55 | 19.4 | 54 | 1967-2020 | 4.09 | 3.01 | 0.892 | 0.255 |
| 12 | GAR012DQ | 62 | 23.0 | 67 | 1954-2020 | 3.74 | 2.27 | 0.874 | 0.260 |
| 13 | GAR013DQ | 52 | 25.2 | 64 | 1957-2020 | 2.80 | 1.28 | 0.661 | 0.243 |
| 14 | GAR014DQ | 50 | 23.9 | 61 | 1960-2020 | 2.68 | 1.43 | 0.888 | 0.210 |
| 15 | GAR015DQ | 37 | 16.8 | 58 | 1963-2020 | 2.66 | 1.55 | 0.870 | 0.218 |
| 16 | GAR016DQ | 65 | 22.7 | 63 | 1958-2020 | 3.28 | 1.91 | 0.921 | 0.184 |
| 17 | GAR017DQ | 47 | 23.2 | 86 | 1935-2020 | 2.21 | 0.60 | 0.640 | 0.186 |
| 18 | GAR018DQ | 62 | 19.8 | 82 | 1939-2020 | 3.32 | 1.90 | 0.879 | 0.218 |
| 19 | GAR019DQ | 36 | 18.6 | 84 | 1937-2020 | 1.79 | 1.07 | 0.847 | 0.214 |
| 20 | GAR020DQ | 57 | 23.6 | 67 | 1954-2020 | 2.81 | 1.56 | 0.862 | 0.202 |
| 21 | GAR021DQ | 54.5 | 26.6 | 91 | 1930-2020 | 2.56 | 1.11 | 0.801 | 0.236 |
| 22 | GAR022DQ | 54 | 24.3 | 83 | 1938-2020 | 2.84 | 1.51 | 0.770 | 0.229 |
| 23 | GAR023DQ | 38 | 19.4 | 92 | 1929-2020 | 1.55 | 0.86 | 0.797 | 0.262 |
| 24 | GAR024DQ | 45 | 20.0 | 84 | 1937-2020 | 2.03 | 1.17 | 0.871 | 0.202 |
| 25 | GAR025DQ | 62 | 26.6 | 67 | 1954-2020 | 3.17 | 1.02 | 0.871 | 0.133 |
| 26 | GAR026DQ | 46 | 23.0 | 64 | 1957-2020 | 2.94 | 1.51 | 0.817 | 0.196 |

| Media | Diametro [cm] | Altezza [m] | Anni | Periodo | Media [mm] | Deviazione standard | Auto Correlazione | Sensibilità media |
|-----------------|----------------------|--------------------|-------------|----------------|-------------------|----------------------------|--------------------------|--------------------------|
| GARDMEDQ | 53 | 22.6 | 92 | 1929-2020 | 2.66 | 1.19 | 0.887 | 0.180 |