Table 1. List of coffee progenies (*Coffea arabica* L.) used as treatments and their characteristics, Lavras – MG, 2014.

|  |  |  |
| --- | --- | --- |
| Origins | Progenie | Characteristics |
| P | P6 | Leaves and fruits larger than standard size\* |
| P | P10 |
| P | P13 |
| P | P18 |
| P | P26 |
| P | P28 |
| M | M2 | Leaves and fruits much larger than standard size \* |
| M | M3 |
| M | M5 |
| M | M13 |
| M | M15 |
| M | M16 |
| M | M18 |
| M | M33 |
| G | G11 | Leaves and fruits exceptionally large |
| G | G12 |
| G | G14 |
| G | G21 |
| G | G25 |
| G | G27 |

\*The standard for comparison of goups plants was the ‘Acaiá Cerrado MG 1474’ by virtue of this cultivar yield grains of sieves high (17 e above) (FAZUOLI et al., 2008).

Table 2. Estimate of parameters of genetic variance between progenies within origins (), genetic variance between origins () and residual variance () to thickness of leaf tissues.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Parameters | Period | Estimates | | | | |
| CUT | EAD | PAL | PES | MÊS |
|  | 2 | 0,7114 | 0,7732 | 9,745 | 21,04 | 148,2 |
|  | 1 | 0,0033 | 0,1511 | 19,229 | 278,60 | 347,1 |
|  | 2 | 0,0156 | 3,0344 | 6,311 | 30,44 | 619,1 |
|  | 1 | 0,6652 | 0,0747 | 448,849 | 197,79 | 459,6 |
|  |  | 0,6689 | 2,3596 | 62,373 | 197,94 | 231,9 |

Note: Lavras - MG, 2014.

Table 3. Estimate of parameters of genetic variance between progenies within origins (), genetic variance between origins () and residual variance () to vascular bundles.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Parameters | Period |  | Estimates | | |
|  | NXL | DXL | FLO |
|  | 2 |  | 286,05 | 0,2190 | 64,544 |
|  | 1 |  | 97,85 | 0,4331 | 3,797 |
|  | 2 |  | 236,24 | 0,3318 | 2,566 |
|  | 1 |  | 21,97 | 0,6566 |
|  |  |  | 83,28 | 0,6768 | 17.831 |

Note: Lavras - MG, 2014.

Table 4. Estimate of parameters of genetic variance between progenies within origins (), genetic variance between origins () and residual variance () to stomatic density (DEN) and stomatic functionality (FUN).

|  |  |  |  |
| --- | --- | --- | --- |
| Parameters | Period | Estimates | |
| DEN | FUN |
|  | 2 | 267,9725 | 0,00300 |
|  | 1 | 14,8224 | 0,00012 |
|  | 2 | 0,3071 | 0,00012 |
|  | 1 | 209,5907 | 0,00025 |
|  |  | 813,2747 | 0,01022 |

Note: Lavras - MG, 2014.

Table 5. Estimate of parameters of genetic variance between progenies within origins (), genetic variance between origins () and residual variance () to leaf water potential (PH), photosynthetic rate (*A*), stomatic conductance (*gs*) and transpiration rate (*E*).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Parameters | Period |  | Estimates | | | |
|  |  | *A* | *gs* | *E* |
|  | 2 |  |  | 29,39 | 0,0019 | 0,00 |
|  | 1 |  |  | 59,77 | 0,0633 | 82,94 |
|  | 2 |  |  | 52,97 | 0,0050 | 141,26 |
|  | 1 |  |  | 832,99 | 0,0166 | 197,80 |
|  |  |  |  | 837,88 | 0,3040 | 1010,24 |

Note: Lavras - MG, 2014.