**Supplementary Table 1** Regression analysis of height (H, cm) and harvest time under different planting methods and treatments in *R*. *pseudoacacia* and *Q. acutissima*.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Species | Planting methods | Treatments | ax2 | bx | c | *R*2 | SA | Hmax | Hmin |
| *R. pseudoacacia* | Pure planting | CK | 1.22 | 11.37 | 83.01 | **0.97\*\*** | –4.66 | 7 | 1 |
| D | –2.28 | 14.50 | 76.92 | **0.80\*\*** | 3.18 | 3 | 7 |
| R1 | –3.14 | 26.81 | 52.56 | **0.69\*\*** | 4.27 | 4 | 2 |
| R2 | 2.16 | –6.53 | 98.75 | **0.92\*\*** | 1.51 | 7 | 5 |
| Mixed planting | CK | - | 21.51 | 77.07 | **0.89\*\*** | - | 7 | 1 |
| D | –3.02 | 23.71 | 53.88 | **0.58\*\*** | 3.93 | 4 | 7 |
| R1 | - | 8.16 | 75.10 | **0.34\*** | - | 4 | 2 |
| R2 | - | 19.38 | 23.27 | **0.45\*** | - | 7 | 5 |
| *Q. acutissima* | Pure planting | CK | 0.47 | –0.56 | 25.85 | **0.71\*\*** | 0.60 | 7 | 1 |
| D | - | –0.87 | 24.71 | 0.12 | - | 1 | 7 |
| R1 | - | - | - | - | - | - | - |
| R2 | - | 0.47 | 2.10 | **0.35\*** | - | 7 | 5 |
| Mixed planting | CK | 0.49 | 3.59 | 20.81 | **0.85\*\*** | –3.66 | 7 | 1 |
| D | –0.39 | 2.63 | 20.44 | **0.24\*** | 3.37 | 3 | 7 |
| R1 | - | - | - | - | - | - | - |
| R2 | - | 4.43 | 6.08 | **0.36\*** | - | 7 | 5 |

Note: CK, control group; D, drought treatment; R1, rewater group; R2, repeated rewater group; ax2, second-order coefficient; bx, first-order coefficient; c, constant; SA, symmetry axis; Hmax, harvest time corresponding to maximum plant height; Hmin, harvest time corresponding to minimum plant height; the black bold font numbers in Row R2 indicate significance, \*, *P* < 0.05, \* \*, *P* < 0.01; the regular font number indicates *P* < 0.1; "-" indicates no such item.

**Supplementary Table 2** Regression analysis of basal diameter (BD, mm) and harvest time under different planting methods and treatments in *R*. *pseudoacacia* and *Q. acutissima*.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Species | Planting methods | Treatments | ax2 | bx | c | *R*2 | SA | BDmax | BDmin |
| *R. pseudoacacia* | Pure planting | CK | –0.32 | 4.07 | 3.48 | **0.82\*\*** | 6.36 | 6 | 1 |
| D | –0.19 | 1.78 | 5.44 | **0.46\*\*** | 4.68 | 5 | 1 |
| R1 | –1.81 | 12.87 | –10.95 | **0.84\*\*** | 3.56 | 4 | 2 |
| R2 | - | - | - | - | - |  |  |
| Mixed planting | CK | –0.42 | 5.71 | 1.97 | **0.90\*\*** | 6.80 | 7 | 1 |
| D | –0.20 | 1.62 | 6.32 | **0.47\*\*** | 4.05 | 4 | 1 |
| R1 | - | - | - | - | - | - | - |
| R2 | - | - | - | - | - | - | - |
| *Q. acutissima* | Pureplanting | CK | –0.03 | 0.57 | 2.93 | **0.79\*\*** | 9.50 | 7 | 1 |
| D | 0.04 | -0.54 | 3.71 | **0.60\*\*** | 6.75 | 1 | 7 |
| R1 | - | 0.55 | 1.11 | **0.50\*** | - | 4 | 2 |
| R2 | - | - | - | - | - | - | - |
| Mixed planting | CK | –0.03 | 0.53 | 3.34 | **0.47\*\*** | 8.83 | 7 | 1 |
| D | –0.03 | 0.05 | 3.82 | **0.65\*\*** | 0.83 | 1 | 7 |
| R1 | 0.05 | 0.00 | 3.46 | 0.41 | 0.00 | 4 | 2 |
| R2 | - | - | - | - | - | - | - |

Note: CK, control group; D, drought treatment; R1, rewater group; R2, repeated rewater group; ax2, second-order coefficient; bx, first-order coefficient; c, constant; SA, symmetry axis; BDmax, harvest time corresponding to maximum basal diameter; BDmin, harvest time corresponding to minimum basal diameter; the black bold font numbers in Row R2 indicate significance, \*, *P* < 0.05, \* \*, *P* < 0.01; the regular font number indicates *P* < 0.1; "-" indicates no such item.

**Supplementary Table 3** Linear regression analysis of allometric growth under different planting methods and treatments in *R*. *pseudoacacia* and *Q. acutissima*.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Species | Planting methods | Treatments | Slope | Intercept | R2 |
| *R. pseudoacacia* | Pure planting | CK | 0.86 | –0.76 | **0.73\*\*** |
| D | - | - | - |
| R1 | 2.01 | -3.05 | **0.6\*\*** |
| R2 | - | - | - |
| Mixed planting | CK | 0.83 | –0.62 | **0.85\*\*** |
| D | 0.36 | 0.25 | **0.4\*\*** |
| R1 | - | - | - |
| R2 | - | - | - |
| *Q. acutissima* | Pure planting | CK | 0.61 | –0.27 | **0.77\*\*** |
| D | 0.45 | –0.24 | **0.22\*** |
| R1 | - | - | - |
| R2 | - | - | - |
| Mixed planting | CK | 0.37 | 0.08 | **0.54\*\*** |
| D | - | - | - |
| R1 | - | - | - |
| R2 | - | - | - |

Note: CK, control group; D, drought treatment; R1, rewater group; R2, repeated rewater group; the black bold font numbers in Row R2 indicate significance, \*, *P* < 0.05, \* \*, *P* < 0.01; the regular font number indicates *P* < 0.1; "-" indicates no such item.