

Supplementary material

Special Issue: HORIZON 2020 GA 728086 WOODnat
"Second generation of planted hardwood forests in the EU"

WOODnat photogallery



◀ **Picture 1** - Micro propagated plants at Bosques Naturales Lab in Madrid Spain (photo Pelleri).



Picture 2 – Seedling of walnut in a ▶ nursery pot in Galicia, Spain (photo Urbán).



◀ **Picture 3** - Pots trial in Galicia, Spain (photo Urbán).



◀ **Picture 4** - Commercial plants produced using innovative pot (Air-Pot®) in Galicia, Spain (photo Urbán).



Picture 5 - Nursery of hybrid walnut to produce bare root commercial material (photo Urbán). ▼



◀ **Picture 6** – Pure hybrid and common walnut plantation in Galicia, Spain (photo Chiarabaglio).



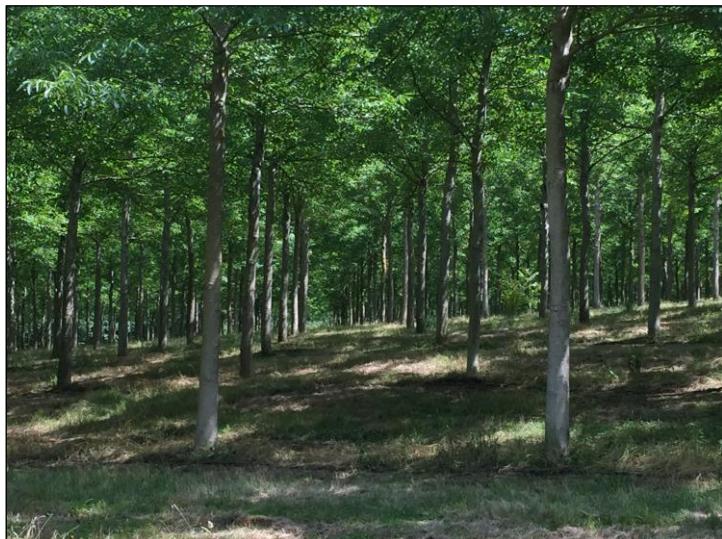
◀ **Picture 7** – Pure hybrid and common walnut plantation in Galicia, Spain (photo Chiarabaglio).

Picture 8 - Forest management ▶ unit of Bosques Naturales in Galicia. Pure hybrid walnut fourteen years old plantation (photo Urbán).



◀ **Picture 9** – Pure Hybrid walnut plantation in Galicia, Spain (photo Urbán)





◀ **Picture 10** – Forest management unit of Bosques Naturales in Galicia. Pure hybrid walnut fourteen years old plantation (photo Urbán).

Picture 11 - Pure walnut plantation with nurse trees during thinning (photo Bidini). ▼



◀ **Picture 13** – Walnut tree near Empoli, Italy (photo Pelleri).



◀ **Picture 14** -- Polycyclic plantation near Lodi, Italy (photo Pelleri).



Picture 15 - Polycyclic plantation near Lodi, Italy (photo Pelleri). ►



◀ **Picture 16** – Polycyclic plantation near Lodi, Italy, after poplar harvesting (photo Pelleri).



◀ **Picture 17** – Hybrid walnut in polycyclic plantation near Mantova, Italy (photo Pelleri).

Picture 18 - Walnut in polycyclic ▶ plantation near Lodi, Italy (photo Bidini).



◀ **Picture 19** – Linear walnut plantation near Empoli, Italy (photo Pelleri).





► **Picture 20** – Walnut-alder-pumpkins (Agroforestry system) near Casale Monferrato, Italy (photo Pelleri).



▲ **Picture 22** - Hybrid walnut-corn (Agroforestry system) in Galicia, Spain (photo Urbán).



Picture 23 – Agroforestry system in the forest management unit of Galicia (photo Urbán).



◀ **Picture 24** – Herd of sheep for vegetation control in Galicia, Spain (photo Urbán).

Picture 25 – Thinning operations in a pure hybrid walnut plantation near Toledo, Spain (photo Pelleri). ▼



Picture 26 - Thinning operations in a pure hybrid walnut plantation. Trees were felled and a Biological Stump Degradation treatment with lignicolous fungi species was applied (photo Cuesta). ▼



◀ **Picture 27** – Cross-sectional disc (5 cm-10 cm thick) obtained by chainsaw on each felled (photo da la Parra).



◀ **Picture 28** – Inoculated stump with the mycelium to be degraded with biological treatment. (photo da la Parra).

Picture 29 - The Biological ►
Stump Degradation happened
between the stump and the
cross-sectional discs on the
felled trees (photo Cuesta).



◀ **Picture 30** – Biological treatment
was covered with a biodegradable
plastic bag and land to protect the
effect (photo da la Parra).





▲ **Picture 31** - Walnut shoots found in control plot with no treatment after the experiment (photo Cuesta).



Picture 32 – *Pleurotus ostreatus* emerged after Biological Stump Degradation (photo Cuesta) ▼



◀ **Picture 33** – Logs from first thinnings of hybrid walnut planted forest (photo Urbán)

Picture 34 – Boule, typical ▶ air-drying system for big natural walnuts (photo Santonja)





▲ **Picture 35** - Boards produced in the trials with hybrid walnut logs (photo Urbán).



Picture 36 – Veneer trial at Tabu company in Cantù, Italy (photo Pelleri). ▼



◀ **Picture 37** – Veneer quality check at Tabu company in Cantù, Italy (photo Pelleri)



Picture 38 – Walnut ▶ veneer sheets with different thermo treatments (photo Groutel)

Picture 39 - Some examples ▶ to enhance small assortment of walnut (photo Urbán).





◀ **Picture 40** – Project technical visit to an experimental walnut plantation near Cremona, Italy (Photo Bidini).



◀ **Picture 41** – Walnut in poly-cyclic plantation near Mantova, Italy (photo Bidini).



Picture 42 - Polycyclic plantation ▶ near Casale Monferrato, Italy (photo Pelleri).



◀ **Picture 43** – Big walnut boards near Bosques Naturales Office in Madrid, Spain (photo Groutel).



Picture 44 - Woodnat staff at the general assembly in Madrid, Spain (photo Groutel). ▼