

Carbon Performance Certificates

rating nursery trees according to their carbon capture potential

We provide nursery trees with a carbon efficiency rating so that specifiers can make more informed choices



Carbon Performance Certificate (beta)
Trees and Shrubs

Barcham
The Tree Specialists

Silver Birch
Beverley Beauty, Crispa, Dalecarlica, Fastigata, Obelisk, Purpurea, Royal Frost, Triata, Youngii, Zeisters Glory

Betula pendula

Carbon Performance Rating

5000-7000 kg	Large Trees	A
2000-5000kg	Medium Trees	B
500-2000kg	Small Trees	C
50-500kg	Large Shrubs	D
5-50kg	Small Shrubs	E

Technical Information
Carbon capture and cumulative storage over lifespan

Betula pendula

Age (years)

3224kg

Barcham Species Ranking 161/553

Carbon Capture Breakers Point (from propagation) 1 year

Our carbon performance certificates provide each tree in your nursery catalogue with an efficiency rating (A-E), according to its carbon performance.

The efficiency rating directly relates to the amount of carbon absorbed by the species in question, 'A' indicating the greatest absorption potential. The certificates also show how long it will take before the tree will offset the carbon it took to grow, deliver and plant it.

Armed with a carbon rating, each tree is comparable to other trees and shrubs in your nursery catalogue, giving those charged with specifying tree species, clear data with which to make decisions.

This approach can assist local authorities to work towards carbon reduction targets. Carbon capture is not the only benefit that trees offer, but it is the one that can make a real difference to achieving net-zero ambitions.

[Click here to see a sample carbon performance certificate](#)



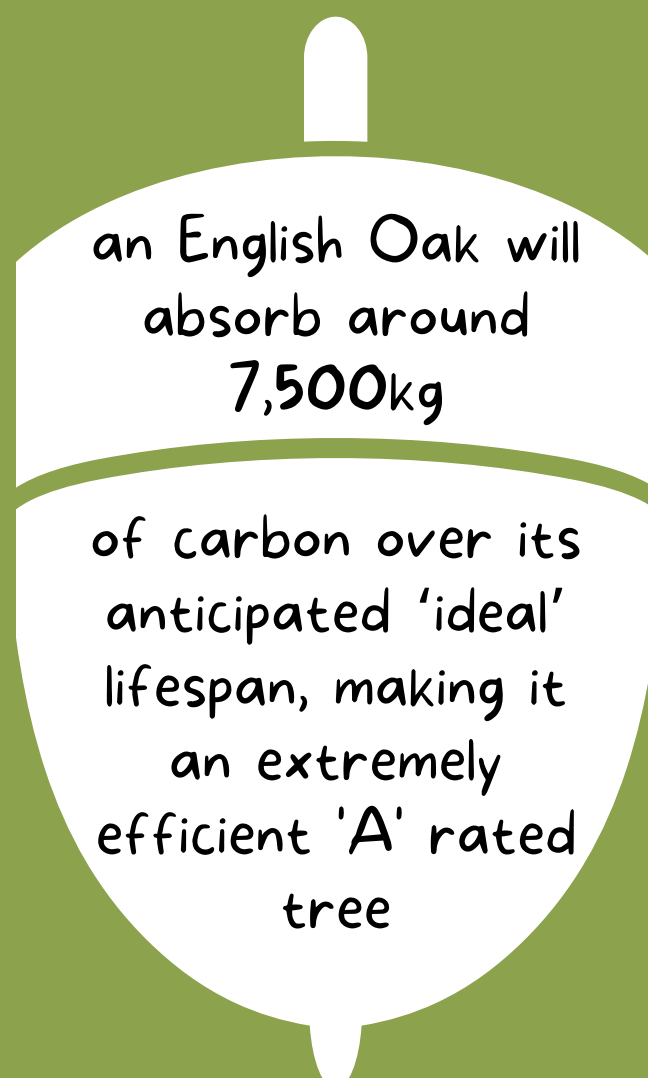
Contact us to discuss



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www.treeconomics.co.uk



The technology behind this product is i-Tree Eco, which is able to provide accurate data on a multitude of ecosystem services, most notably carbon storage.

Carbon Performance Certificate
Trees and Shrubs

UK Plant Passport Information
A: Zelkova serrata Green Vase
B: 20090
C: 190084
D: GB

Science Park Centre
6 Babbage Way
Clyst Honiton
Exeter EX5 2FN

Barcham
The Tree Specialists

Certificate Reference Number: EX 001

This certificate shows the carbon performance for this tree. It indicates the efficiency of this tree based on the amount of carbon it will absorb from the atmosphere and store within its woody tissues, over its anticipated 'ideal' lifespan. The carbon capture for each tree is compared to all the other trees and shrubs which are supplied by Barcham to provide a rating.
There is more advice on how to interpret this information on the Treeconomics website at:
www.treeconomics.co.uk/treecarboncertificate/

Species
Japanese Zelkova Zelkova serrata 'Green Vase'

Carbon Performance Rating

More carbon efficient:
Larger stature, longer lived, more carbon stored

5000-7000 kg	Large Trees	A
2000-5000kg	Medium Trees	B
500-2000kg	Small Trees	C
50-500kg	Large Shrubs	D
5-50kg	Small Shrubs	E

5341kg

Less carbon efficient:
Smaller stature, shorter lived, less carbon stored

Technical Information

Over the past 10 years, measurements from thousands of urban trees have been collected in towns and cities across the UK by Treeconomics and its project partners. This detailed information on tree structure (height, trunk diameter, species, crown dimensions, etc.) has been run through a sophisticated computer model called i-Tree Eco. i-Tree Eco is a peer reviewed, open source and freely available software suite, used internationally to assess urban trees and calculate their benefits to society.

For further information and detailed methodology, go to:
www.treeconomics.co.uk/treecarboncertificate/

Powered by i-Tree

"We are delighted with the work that Treeconomics has done in classifying the range of trees we grow, this will make it easier for our customers to make informed planting decisions and maximise their ecological return on investment. This is very innovative work and we hope it will help to bridge the gap between science and end user tree selection."

Barcham Trees Plc

[Click here](#) to read more about the Barcham project

