

# The Benefits of Trees in Bristol

Urban trees work hard for us. They are the green lungs of our city: bringing life, colour and beauty to our neighbourhoods; providing food and sanctuary for wildlife; and enhancing our health and wellbeing by keeping us cool, cleaning the air and connecting us to nature.

Following a citywide survey, we now know a lot more about Bristol's trees.



**600,000** 

If all trees laid end to end they would stretch  
**3,800 miles**



**£2.7million**

**Total annual benefit**  
from Bristol's trees



**Total net value**  
of all Bristol's trees:

**£279million**



**Enhance our health**  
and wellbeing, reducing  
stress, and boosting our  
mental health



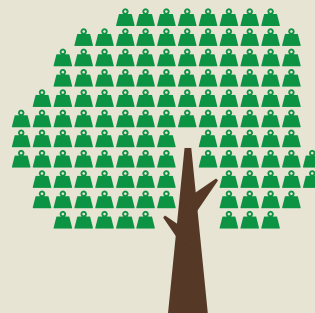
**12%** **tree canopy**

**1,300 hectares** of Bristol  
are covered in trees,  
but **9,700 hectares**  
have no trees at all



**100 tonnes**

Remove **100 tonnes** of  
air pollution: value  
**£1.6 million/year**



**Help teach our children**  
**about the environment.**  
Planting and caring for  
urban trees connects us  
with nature



**14,000 tonnes**

Remove **14,000 tonnes** of  
carbon dioxide per year:  
value **£920,000/year**

**360,000 tonnes**  
**carbon dioxide**  
value **£23 million**

Equivalent to annual  
carbon dioxide emissions  
from **9,000 cars**



Provide a **network of food**  
and protection relied upon  
by insects, birds and  
mammals



**600,000** total number of  
trees, **100,000** are Ash



**90,000 m³**

Reduce **flood risk** by  
removing **90,000m³** of  
**water** running into the  
drains per year:  
value **£140,000/year**



**£260 million**

**Structural value**  
(replacement cost)



**Bring life, colour** and  
character to the city,  
reducing noise and  
offering shade and shelter

Figures based on 2018 i-Tree Eco  
sample assessment. See 'Key Findings'  
sheet for standard error calculations.