

Sustainable Wood: Eco-Friendly Choices for Clean Wood Burning & Sustainable Heating

With sustainable living on the rise, discover the advantages of sustainable wood for heating, including: outcomes of clean wood burning, different types of sustainable clean burning wood, essential qualities and characteristics, and recognised accreditations.

Sustainable living is on the rise in the UK

According to the UK Government's 2022 report on "UK Energy in Brief" ¹:



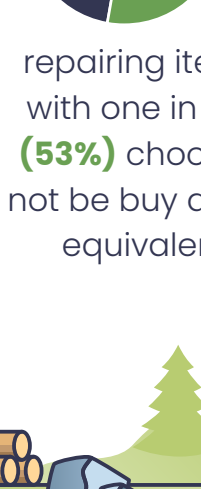
1 The use of renewable energy sources in the UK has been steadily increasing, reaching **55.2%** of total electricity generation in 2022

2 Greenhouse gas emissions have decreased by **3.6%** between 2021 and 2022, and by **48.8%** since 1990



Clearly, we're taking sustainable living seriously but what about how we burn and use wood for heating?

The "Sustainability & Consumer Behaviour 2022" report by Deloitte indicates ²:



1 A sharp increase in the number of people adopting a more sustainable lifestyle



2 Compared with 2021, consumers have significantly increased their focus on

+20 points

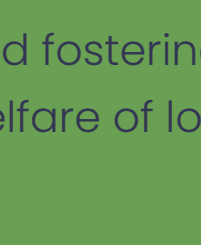
buying just what they need

+9 points

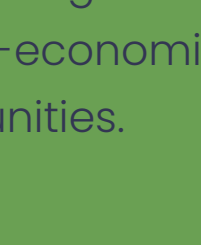
reducing meat consumption

+11 points

opting for low carbon emission modes of transport

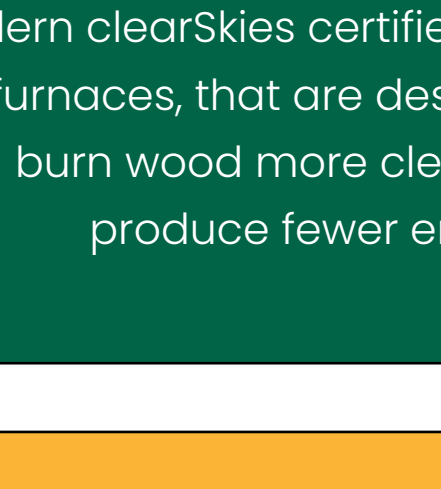


repairing items, with one in two (53%) choosing not to buy a new equivalent



buying second-hand or refurbished goods (40%), with 38% paying extra for more durable or longer-lasting products

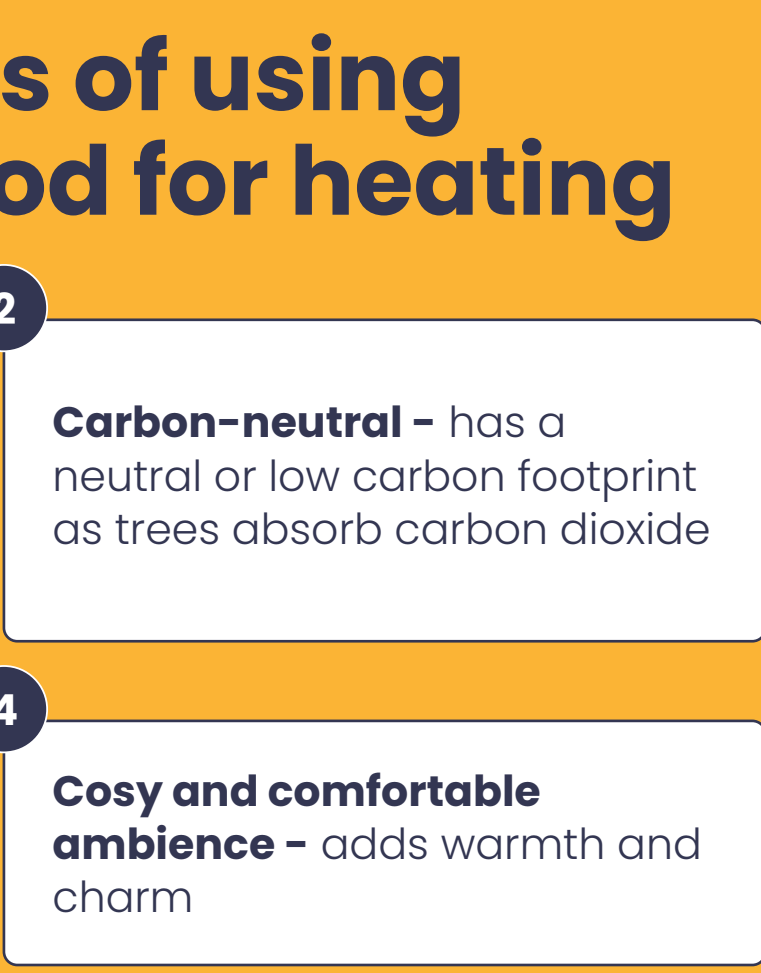
What is sustainable wood?



Timber or wood products obtained through responsible practices that prioritise the long-term health and viability of forests. This includes sustainable forest management techniques, such as reforestation, biodiversity conservation, environmental impact mitigation, and fostering the socio-economic welfare of local communities.

What is clean wood burning?

The practice of using wood as a fuel source in a manner that minimises environmental impact and maximises efficiency. This involves the use of efficient wood-burning appliances, such as modern clearSkies certified stoves and furnaces, that are designed to burn wood more cleanly and produce fewer emissions.



Advantages of using sustainable wood for heating

1 **Accredited** – (such as FSC), indicates rigorous environmental and social standards

2 **Carbon-neutral** – has a neutral or low carbon footprint as trees absorb carbon dioxide

3 **Cost-effective** – competitive prices compared to other fuel options

4 **Cosy and comfortable ambience** – adds warmth and charm

5 **Low waste** – by utilising the entire tree, from timber to wood chips, sawdust, etc.,

6 **Non-toxic** – there are no harmful chemicals (e.g., pesticides, preservatives, etc.,)

7 **Positive social impact** – supports local communities, provides jobs, income, and resources

8 **Recyclable and biodegradable** – can be recycled or left to biodegrade naturally

9 **Reduced non-renewables use** – contributes to sustainable and resilient energy

10 **Renewable energy source** – a continuous supply of trees is harvested and replaced

11 **Responsibly harvested** – obtained by ethical and environmentally responsible practices

12 **Responsibly managed forests** – ensures environmental conservation

13 **Use of local resources** – supports local economies, reduces transport costs and imports

Outcomes of clean wood burning

1 **Compliance with regulations** – adherence to local and national regulations related to emissions and air quality standards

6 **Lowered carbon emissions** – less carbon dioxide (CO2) and other greenhouse gases, mitigating climate change

2 **Cost savings** – through burning wood efficiently and effectively, clean wood burning leads to cost savings

7 **Reduced air pollution** – minimised emission of pollutants such as particulate matter, volatile organic compounds (VOCs), and harmful gases

3 **Energy efficiency** – clean wood burning appliances and practices maximise the energy output from wood fuel

8 **Reduced health risks** – this protects human health from respiratory issues and other health risks

4 **Environmental conservation** – contributes to the conservation of natural resources and ecosystems

9 **Reduced use of fossil fuels** – provides an alternative to fossil fuel-based heating systems

5 **Improved indoor air quality** – indoor settings, such as stoves and fireplaces, help maintain healthier indoor air quality

10 **Sustainable resource utilisation** – promotes the sustainable use of wood as a renewable energy resource



What are the different types of sustainable wood that burn clean?

Types of sustainable wood that minimise air pollution, reduce particulate emissions, and contribute to a cleaner and healthier environment:

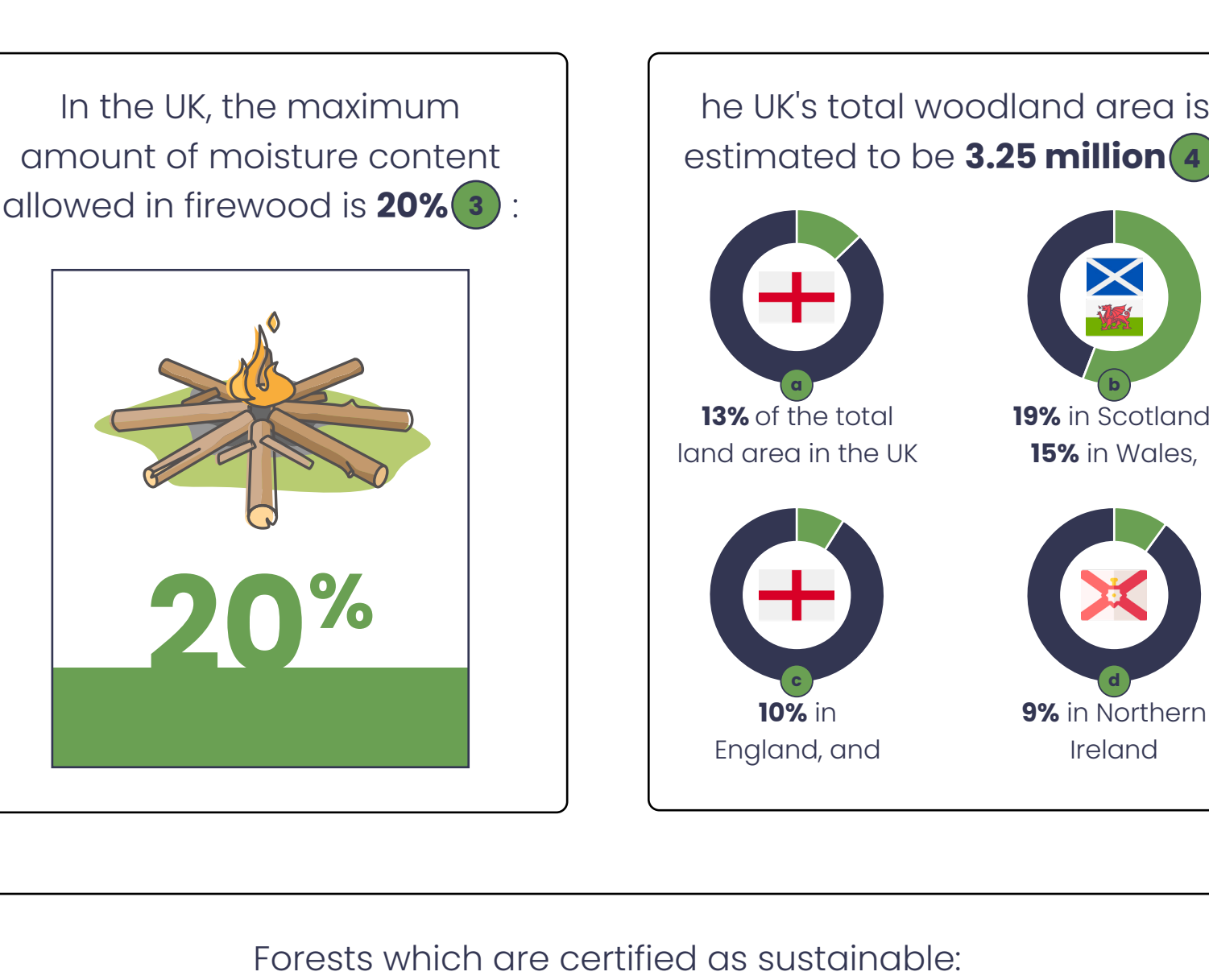
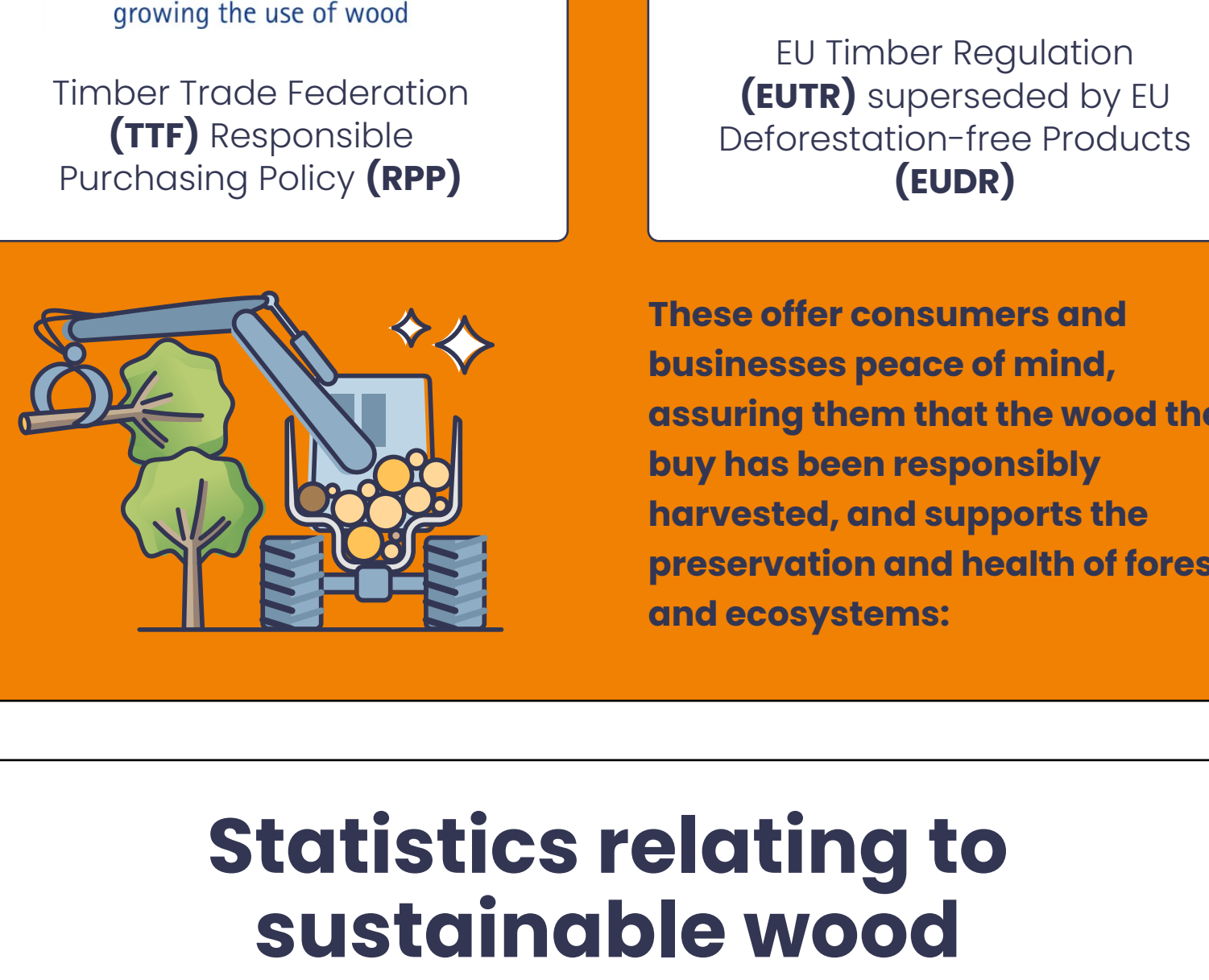
1 **Hardwoods** – such as oak, maple, birch, and ash are dense and have a low moisture content, with clean & efficient combustion

2 **Fruitwoods** – such as apple, cherry, and citrus woods are known for producing clean-burning fires with pleasant aromas

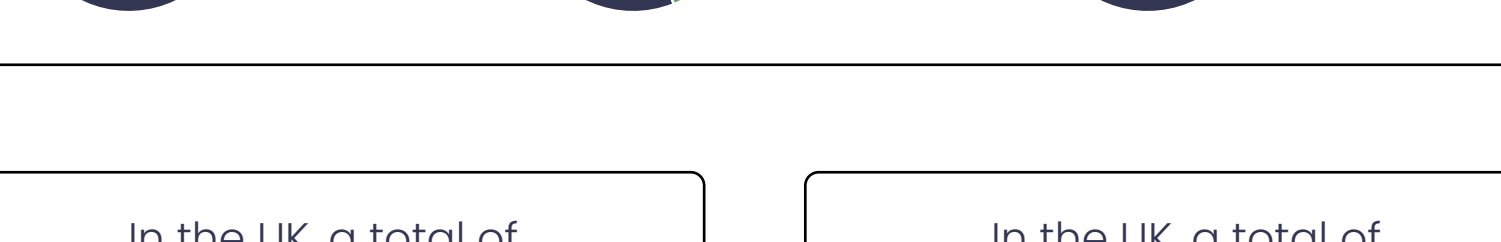
3 **Bamboo** – a fast-growing option that burns cleanly & emits minimal smoke

4 **Pellets and briquettes** – made from compressed sawdust and other biomass. They are an environmentally friendly and clean-burning option

5 **Compressed logs** – made from recycled wood waste or biomass. They are a clean-burning alternative to traditional firewood



These offer consumers and businesses peace of mind, assuring them that the wood they buy has been responsibly harvested, and supports the preservation and health of forests and ecosystems:



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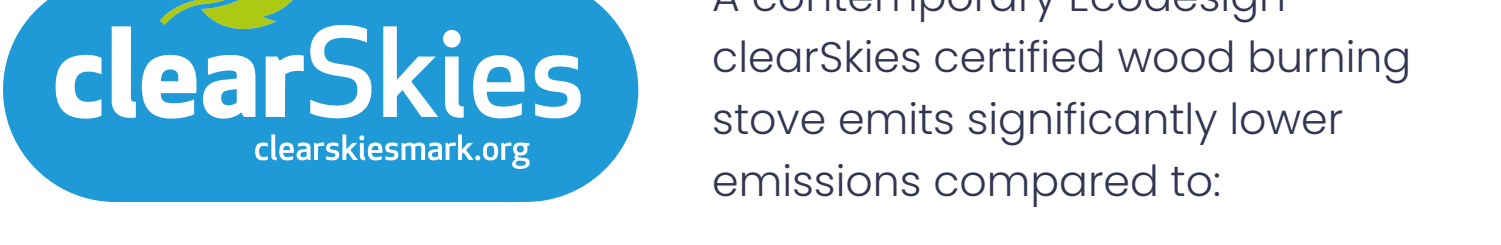
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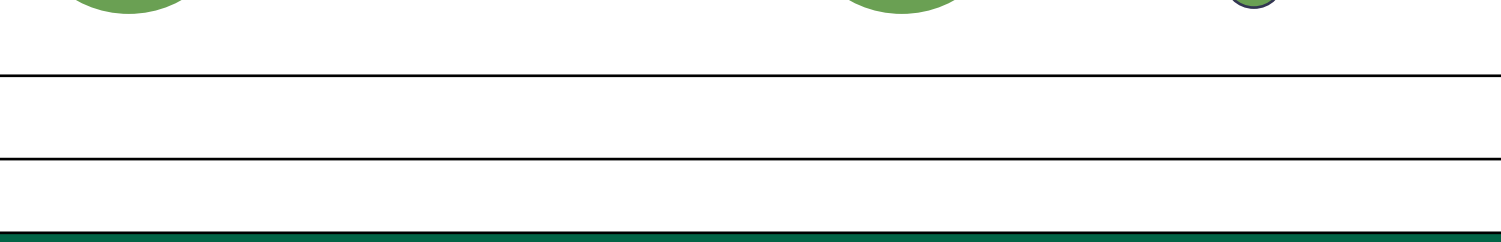
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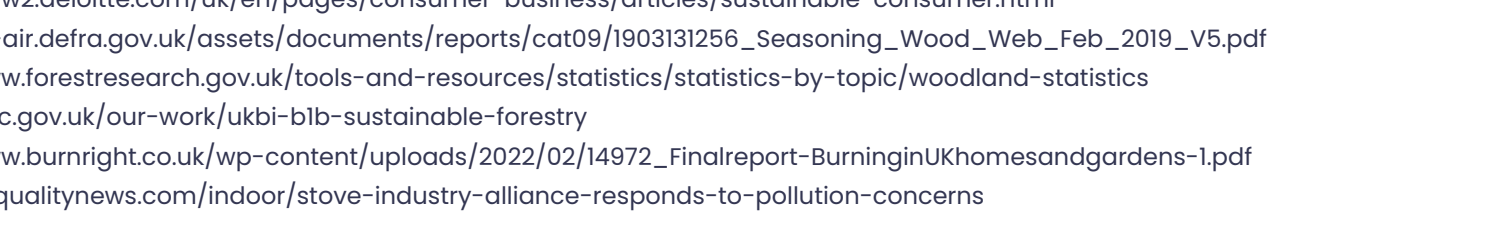
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