

Trees Outside Woodlands Miyawaki Trial — 16 Paired Urban Plots in England, 79% vs 47% Survival Through the 2022 Drought

PES & Nature-Based Solutions · Good practice · United Kingdom

Quality score: 27/100

Evidence strength: Cautionary / limited

Summary

UK-funded paired trial of Miyawaki dense native planting on 16 poor-soil urban sites: 79% survival vs 47% for standard planting through the 2022 drought, ~GBP 10 vs 50 per surviving tree; ~3.5-year data, no biodiversity or carbon metrics.

Key dimensions

Dimension	Score
Carbon — sequestration / storage, evidenced	1/3
Biodiversity — conservation / improvement, evidenced	1/3
Water & soil — retention, infiltration, erosion control	0/3
Fire resilience — risk reduction, evidenced	0/3
Governance, certification & transferability	2/3

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-10-29

[Kent County Council / The Tree Council / Natural England / Defra](#) — accessed 2026-10-29

[Natural England blog — Testing the Miyawaki method](#) — accessed 2026-10-29

[LGA case study](#) — accessed 2026-10-29

[Urban Tree Establishment report \(July 2024, PDF\)](#) — accessed 2026-10-29

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