

Environmental footprint snapshot

ABC Nursery

Introduction

ABC Nursery provided thinkstep-anz with data to conduct a Life Cycle Assessment (LCA). LCA is a standardised way of measuring the environmental footprint of a product or service over its useful life, from raw material extraction to disposal.

Key details

Nursery location:	New South Wales
Reference year:	01/07/2024 – 30/06/2025
Declared unit:	1 pot/tray

Environmental footprint

Input	Carbon footprint (kg CO ₂ eq.)		Water footprint (m ³ world eq.)		Eutrophication footprint (kg P eq.)	
Growing media	0.52	11%	0.87	20%	0.57	12%
Fertilisers	0.82	18%	0.14	3%	0.80	17%
Agrichemicals	0.86	19%	0.49	11%	0.15	3%
Packaging of product	0.34	7%	0.68	16%	0.53	11%
Process materials	0.75	16%	0.93	22%	0.88	19%
Energy	0.78	17%	0.74	17%	0.80	17%
Water	0.59	13%	0.45	11%	0.97	21%
Total	4.66	100%	4.31	100%	4.70	100%

About the project

These results have been calculated as part of the project “Nursery Sustainability – Undertaking a Life Cycle Assessment” (NY22001) funded by Hort Innovation using the nursery research and development levy and funds from the Australian Government. For more information on the fund and strategic levy investment, visit horticulture.com.au.

The LCA results in this document have not been individually reviewed or verified.