

Urban Greening Demand Forecasting

Landscape Industry Survey

Let's Grow Action Plan - Detailed Action 3.8 | Perth and Peel Regions | 2026

Prepared by	Pracsys on behalf of the Department of Planning, Lands and Heritage (DPLH) / Western Australian Planning Commission (WAPC)
Project	Urban Greening Demand Forecasting - Detailed Action 3.8, Let's Grow Action Plan
Respondent type	Landscape architects, landscape designers, commercial and residential landscapers, design and construct businesses, and landscape maintenance contractors working in the Perth and Peel regions
Distributed with	Landscape Industries Association of Western Australia (LIAWA)

Why we're asking

Pracsys has been engaged by DPLH to develop a demand forecasting methodology for urban greening across the Perth and Peel regions, in support of the State Government's Urban Greening Strategy and its targets.

The landscape industry sits at the point where greening demand is created and delivered. Designers translate policy, client budgets and site constraints into species, sizes and quantities; landscapers and design and construct businesses turn those into orders placed with nurseries and plants in the ground; and maintenance contractors determine what survives to maturity. That makes your business the critical link between what is planned and what is ultimately planted.

This survey asks about the projects you design, install or maintain, the plant schedules behind them, your procurement and lead-time practice, and what constrains the canopy outcomes you are able to deliver.

Estimated completion time: 20-30 minutes. Some questions may sit outside your part of the industry - skip any that do not apply, and partial responses are welcome.

Your data, in confidence

Your responses will be treated in strict confidence. Data will be aggregated and reported at an industry level. Individual businesses, clients and projects will not be identified in reports without your explicit permission.

Where you reference specific projects, you may de-identify them (e.g. "a 300-lot greenfield subdivision, City of X") if client confidentiality requires it.

How to complete this form

This is a fillable PDF. Click any shaded box to type, and click the small squares to tick them.

Save the file when you are done (Ctrl+S / Cmd+S) and email it back to admin@pracsys.com.au or liawaexec@landscaping.net.au - your answers are saved with the file.

Works in Adobe Acrobat Reader, Preview on Mac, and most browsers. Each section begins on its own page.

Please see the next section on the following page.

Section 1 - About You and Your Business

1.1 Business / organisation name

Business name...

1.2 Your name and role

Name and position...

1.3 Which best describes your organisation's role in the industry? Select all that apply.

- ☐ Concept and schematic design
- ☐ Detailed design and documentation (incl. plant schedules)
- ☐ Specification writing
- ☐ Procurement advice / tender documentation
- ☐ Landscape construction / installation (commercial)
- ☐ Landscape construction / installation (residential)
- ☐ Design and construct
- ☐ Landscape maintenance
- ☐ Contract administration and site supervision
- ☐ Post-establishment / defects liability monitoring
- ☐ Strategic or policy advice (e.g. urban forest strategies)

1.4 Who are your main clients? Please rank the top three (1 = largest share of work).

Client type	Rank (1-3)
Local Government (LGAs)	
State government / agencies	
Land developers	
Builders / head contractors	
Private commercial clients	
Institutional (schools, health, universities)	
Private residential clients	

Please see the next section on the following page.

Section 2 - Project Volume and Planting Specified

- 2.1** Approximately how many projects does your business deliver per year, and what is their combined landscape area?

Measure	Your figure
Number of projects per year	
Combined landscape area (ha)	

- 2.2** Approximately how many plants does your business specify or install per year, by plant form?

Where your business specifies and installs plants, please provide the total number and the % that is installed. If you only specify, enter 0%; if you only install, enter 100%.

Plant form	Plants specified or installed per year	% installed	Typical container size(s) used
Groundcover (0-0.5m)			
Shrub (0.5-3m)			
Small Tree (3-8m)			
Med-Tall Tree (>8m)			
TOTAL			

Notes...

Prefer to send your own data?

If you already hold this information, you can skip this table and email a representative plant schedule, or a summary of plants specified or installed by year, to admin@pracsys.com.au or liawaexec@landscaping.net.au instead. We will do the rest.

- 2.3** How is your work distributed across project types?

Project type	Share of work (%)	Typical planting density specified
Residential subdivision - greenfield		See question 2.4
Residential subdivision - infill		Average per ha of infill area
Streetscape upgrades / verge renewal		
Parks and Public Open Space		
Commercial / retail developments		
Industrial developments		
Major infrastructure (e.g. Metronet, road projects)		
Institutional (schools, hospitals, campuses)		
Environmental restoration / revegetation		
TOTAL (should equal 100%)		

Specify basis...

Please see question 2.4 on the following page.

2.4 For a typical greenfield residential subdivision, what tree provision do you specify?

Location within subdivision	Typical rate specified	Metric used (trees/lot, trees/km, etc.)
Street verges		
Public Open Space / parks		
Drainage and buffer areas		
Entry statements / feature areas		

Notes or comments...

2.5 The Department is looking to understand plant demand scenarios, particularly higher planting scenarios to achieve canopy targets. In your professional opinion, what would leading practice planting rates look like across the project types you deliver?

Project type	Leading practice rate	Metric used
Residential subdivision - greenfield		
Street verges		
Public Open Space / parks		
Drainage and buffer areas		
Entry statements / feature areas		
Other project types		
Residential subdivision - infill (average per ha of infill area)		
Streetscape upgrades / verge renewal		
Parks and Public Open Space		
Commercial / retail developments		
Industrial developments		
Major infrastructure (e.g. Metronet, road projects)		
Institutional (schools, hospitals, campuses)		
Environmental restoration / revegetation		

Notes...

Please see the next section on the following page.

Section 3 - Species Selection and Specification

3.1 Have your species preferences shifted over the past five years? Select all that apply.

- ☐ Increased use of WA native species
- ☐ Increased use of drought-tolerant / evergreen exotics
- ☐ Reduced use of deciduous species
- ☐ Shift toward smaller mature-height trees
- ☐ Shift toward larger / advanced stock at installation
- ☐ Greater emphasis on canopy spread per tree
- ☐ Avoidance of PSHB host species
- ☐ No significant change

Notes...

3.2 Where your business specifies planting, do you specify by species name, or do you allow substitution?

- ☐ Named species only - no substitution permitted
- ☐ Named species with "or approved equivalent" clause
- ☐ Performance-based specification (characteristics rather than species)
- ☐ Mixed approach depending on project and client

Describe...

3.3 How often are you unable to obtain a specified species or size?

- ☐ Frequently (most projects)
- ☐ Sometimes (some projects)
- ☐ Rarely
- ☐ Never

Describe supply difficulties and your response...

Please see the next section on the following page.

Section 4 - Procurement, Lead Times and Establishment

4.1 Do you engage with nurseries during the design stage?

- ☐ Yes - routinely, to check availability before specifying
- ☐ Yes - occasionally, on larger projects
- ☐ Rarely - usually specify first, then check availability
- ☐ No - procurement handled entirely by the contractor

Comments...

4.2 How far in advance of planting are plant orders typically placed on your projects?

Plant form	Typical order lead time (months)	Lead time you consider ideal (months)
Groundcover (0-0.5m)		
Shrub (0.5-3m)		
Small Tree (3-8m)		
Med-Tall Tree (>8m)		

4.3 Do you use contract growing (stock grown to order for a specific project)?

- ☐ Yes - regularly
- ☐ Yes - occasionally on large projects
- ☐ No - but we would if the process were clearer
- ☐ No

Describe...

4.4 Are planting works typically timed to the optimal planting season?

- ☐ Yes - almost always
- ☐ Usually, but handover dates sometimes override
- ☐ Often not - driven by construction programme
- ☐ Varies by client

4.5 What establishment and maintenance period is typically specified, and what survival rates do you observe?

Measure	Typical value
Establishment / maintenance period specified (months)	
Typical survival rate at end of establishment (%)	
Typical replacement rate required (%)	

Survival rate means trees that reach full maturity post-installation.

Notes...

Please see the next section on the following page.

Section 5 - Canopy Outcomes, Policy and Barriers

5.1 Do the projects you work on have explicit canopy cover targets?

- ☐ Yes - commonly, set by the client or LGA
- ☐ Sometimes, on certain project types
- ☐ Rarely
- ☐ Never

Describe...

5.2 What are the main barriers preventing higher canopy outcomes on your projects? Select all that apply.

- ☐ Client budget constraints
- ☐ Verge width and available planting space
- ☐ Soil quality and depth in new estates
- ☐ Underground and overhead services conflicts
- ☐ Water access and irrigation costs
- ☐ Nursery supply - availability of specified species
- ☐ Nursery supply - lead times for advanced stock
- ☐ Construction programme and handover pressure
- ☐ Maintenance capability of the eventual asset owner
- ☐ Developer resistance to landscape cost
- ☐ Policy or regulatory constraints
- ☐ Community acceptance / resident preferences
- ☐ Biosecurity risk and species restrictions
- ☐ Other (describe below)

Describe...

5.3 Do you expect the volume of planting you specify or install to change over the next five years?

- ☐ Increase significantly (>20%)
- ☐ Increase somewhat (5-20%)
- ☐ Stay about the same
- ☐ Decrease

Describe...

Please see the next section on the following page.

Section 6 - Data Sharing and Follow-Up

6.1 What records or data could you potentially share with this project? Select all that apply.

- ☐ Plant schedules from representative projects
- ☐ Annual summaries of plants specified or installed
- ☐ Landscape cost plans or plant cost breakdowns
- ☐ Project areas and planting densities achieved
- ☐ Canopy cover assessments or modelling
- ☐ Establishment and survival rate records
- ☐ Approved species lists used by clients
- ☐ None currently available

Optional attachment

You are welcome to email a representative plant schedule, or a summary of plants specified or installed by year, to admin@pracsys.com.au or liawaexec@landscaping.net.au alongside this form. Any file format is fine.

6.2 Are there other organisations or individuals we should speak with?

Suggested contacts...

6.3 Any other observations, data sources, or comments?

Additional comments...

6.4 Would you be willing to answer follow-up questions about your responses or data?

- ☐ Yes
- ☐ No

Contact detail	Your answer
Name	
Phone / Email	

Thank you for completing this survey

Data collected through this survey will be used solely for the Urban Greening Demand Forecasting project and reported in aggregate form. Individual businesses, clients and projects will not be identified in public reports without permission.

Please save this file and return it to admin@pracsys.com.au or liawaexec@landscaping.net.au.

For any queries, contact Pracsys at admin@pracsys.com.au.