



Positioned For Accelerated Growth

July 2021

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All references to currencies in this document are in US dollars (US\$) unless otherwise stated.



Agenda

- Business Highlights
- Our leading positions
- How we are transforming forest productivity
- Financial performance
- Poised for accelerated growth macro drivers and outlook for FY22 and beyond

Spokespeople

- Andrew Baum, CEO
- Kathy Parker, VP Finance & Accounting
- Sharon Ludher-Chandra, Company Secretary & Performance Improvement Director
- Cathy Quinn, Director Marketing & Communications
- George Adams, NZ based independent director

Business highlights

We are <u>the leading commercial</u> provider of advanced genetic tree seedling products

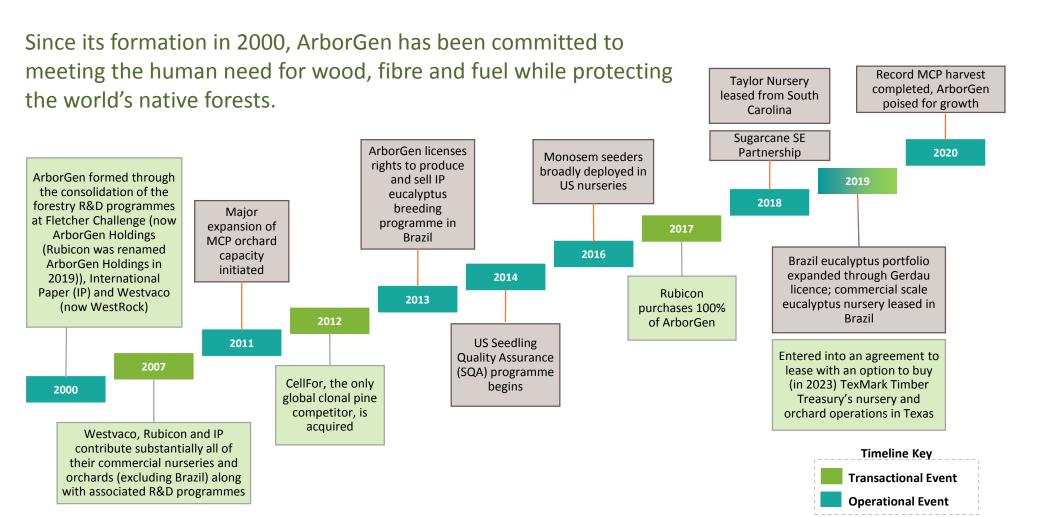
- Global leader in tree improvement technology, transforming forestry productivity
- Leading positions in all current markets US South, NZ, Brazil & Australia
- Superior positioning vis a vis the competition decades of proprietary R&D investment, solid production platforms, strong sales & marketing capability
- Strong market dynamics strong housing growth trends, growing focus on reducing carbon emissions
- Extensive commercial operations comprising 18 seedling nurseries, 13 seed producing orchards and overall production capacity of 540 million seedlings ... servicing more than 2,000 customers each year

Profitable business well positioned for strong growth

FY22 Outlook and Guidance

- US-GAAP EBITDA guidance for FY22 of \$13 - \$14.5 million — a material increase on FY21 US-GAAP EBITDA which included government grant income, resulting in higher cash flow and further reduction in net debt
- Strong tailwinds for FY22 and beyond strong housing growth and carbon credits provide significant growth opportunities, with added opportunity to extend proprietary intellectual property into other crop species

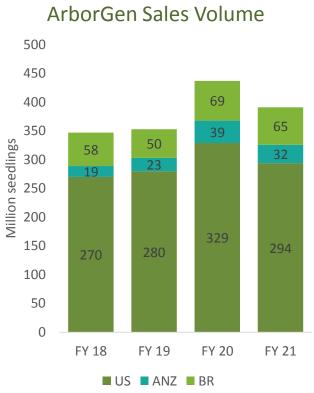
History of ArborGen



ArborGen is now beginning to realise the gains from over two decades of investment with proven Mass Control Pollinated (MCP®) performance at commercial scale; increased market acceptance of the value of MCP products and an increasing supply of MCP seed.

Leader in three of the largest tree seedling markets in the world





Existing ArborGen operating business

Our business spans over 20 locations in four countries and has more than 185 employees.

Leader in three of the largest tree seedling markets in the world

United States

- Largest market representing ~75% of ArborGen's sales volume
- Primarily lobolly pine advanced genetics (MCP & varietal) comprising 31% of sales in FY21
- Leading supplier of MCP in the US South
- MCP sales expected to increase substantially – increasing 30% (or 30m) in FY22
- With increasing supply from ArborGen's orchards & continued demand growth, MCP sales expected to increase substantially over next few years

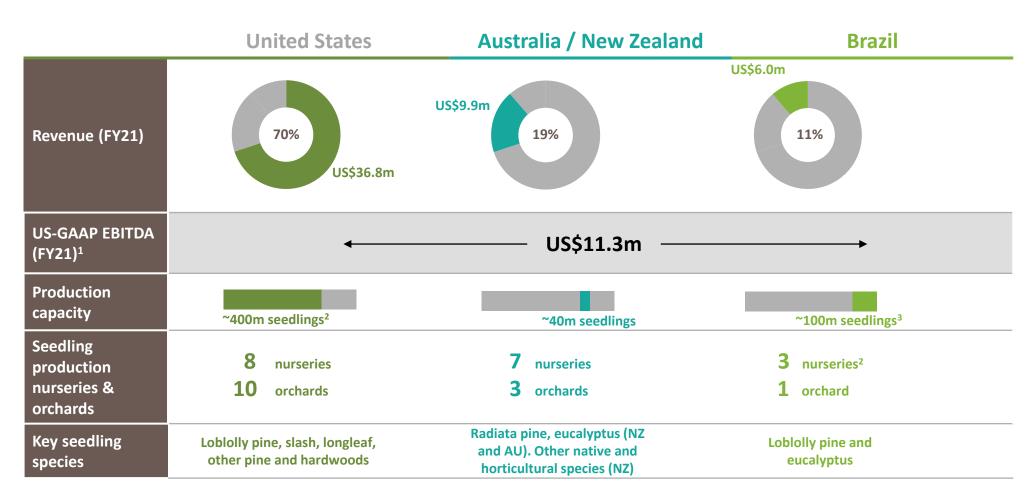
ANZ

- Only NZ seedling provider with national presence
- Advanced genetics comprised over 80% of ANZ's radiata pine sales in FY21
- Much higher % of advanced genetics sales due to early adoption by large institutional investors & supply
- Primary supplier to institutional land owners
- Growing horticulture business propagating high value horticulture species – hops, blueberries, rubus

Brazil

- One of the largest commercial suppliers of seedlings – sells proprietary and licensed genetics
- Majority of sales are eucalyptus, sold through distribution network in all primary eucalyptus growing regions in Brazil
- More than 50% of eucalyptus sales are advanced genetics clones licensed from International Paper, Gerdau & Vallourec, with ArborGen's own proprietary products in precommercial phase now
- Also sells proprietary loblolly pine genetics and genetics licensed from Arauco and CMPC

Geographic split



^{1.} US-GAAP EBITDA includes other significant items. In FY21 significant items totalled US\$2.0m, comprised of government grant subsidies of US\$3.7 million, partially offset by expenses in the period of US\$1.7 million relating to seedlings written-off and incremental COVID-19 expenses incurred in the period.

- 2. Includes outsourced container production.
- 3. ArborGen outsource over half of its eucalyptus production and all of its pine production in Brazil. Production capacity quoted relates to internal nurseries (3) and contract nurseries (21).



Leading technology platform

We are the leading provider of proprietary advanced genetics operating across the entire technology spectrum



Germplasm Repository

Own one of the world's largest and most diverse repositories of commercial tree germplasm

Repository of more than 30,000 families and the ability to identify trees that will perform best in specific regions and sites

Tree Improvement Expertise

Built on 100+ years of collective tree improvement research Based on the most comprehensive and extensive field trial program in forestry, currently conducting ~1,000 field trials

containing more than 1

million trees

Proprietary Production Technologies

Enabling commercialisation of unique proprietary products, and entry into new crop species

Genomics and Bioinformatics

Pioneering the use of genomics in loblolly pine which will accelerate product development timelines

ArborGen uses advanced statistical models and proprietary growth and yield models to develop products with advanced genetics

Biotechnology Product Development

We are developing eucalyptus products with herbicide resistance using our eucalyptus transformation system which is one of the broadest and most advanced in the world

Overview of pine products

Seedlings are produced from seed produced through two different production processes: Open Pollinated Seedlings (OP) and Mass Control Pollinated (MCP or CP) Seedlings. ArborGen also sells varietals (or clones) in the US, New Zealand and Brazil



Open Pollinated (OP)

Top 25% of OP tested families

- Known superior mother tree and mixed select father trees
- Plant approximately 600 trees per acre
- First thinning approximately 13 15 years
- First thinning may yield 40 50 tonnes per acre
- Final harvest with 20% 50% of trees in sawtimber
- Available in bareroot and containerised: loblolly and slash pine



Mass Control Pollinated (MCP)

Hybrid Crosses of the most Elite Tested Parents

- The top 1% of 8,000 tested Loblolly families
- Substantially higher elite genetic gain by crossing specific mother and father trees
- Plant approximately 550 trees per acre
- First thinning 1 2 years earlier
- 50 100% gain in Net Present Value
- Total Revenue gain > 40%
- First thinning yields approximately 30% more volume with as much as 30% solid wood potential
- Final harvest with 60% 80% of trees in sawtimber
- Available in Advanced, Select and Elite and 2.0: bareroot and containerised Loblolly



Varietals

Exact Copies of Highest Performing Trees

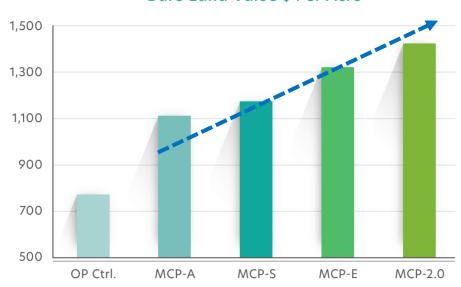
- Each varietal is a genetic copy of a specific tree rigorously tested for superior traits
- Plant approximately 500 trees per acre
- First thinning 2 3 years earlier
- 80% 120% gain in Net Present Value
- Total revenue gain > 50%
- First thinning yields approximately 60% more volume with as much as 50% solid wood potential
- Final harvest with > 80% of trees in sawtimber
- Multiple varieties adapted for the entire natural range of loblolly pine, barefoot and containerised loblolly

Advanced genetics create substantial value for landowners

- ✓ Faster growth rate with first thinning as early as 11 to 13
 years
- ✓ Higher yield with more wood per acre
- \checkmark 30 − 40% more sawtimber on final harvest vs OP for loblolly
- ✓ Greater uniformity and quality straighter, reduced forking,
 better branch morphology
- ✓ Improved disease and stress resistance

84% value accretion

Bare Land Value \$ Per Acre



Indicative only – ultimate value accretion is dependent on site location and silviculture regime adopted, amongst a range of other factors. Bare land value or BLV is a specialised Discounted Cash Flow technique used for timberland investments that calculates the value of bare land in timber production.

Core growth strategy – MCP® growth in the US

Grow the supply and sales of proprietary advanced seedling genetics in the US

ArborGen is now at an inflection point, poised to benefit from 20+ years of investment in developing best-in-class proprietary MCP products, expanding supply of proprietary genetics through orchards establishments across the US South, and upgrading customers to MCP seedlings

The most advanced and broadly adapted MCP pipeline in the industry...

ArborGen's best-in-class MCP seedlings are developed from crossing specific elite mother and father parent trees to generate seed with the highest genetic potential

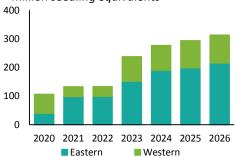
ArborGen's MCP seedlings deliver substantial gains to forest owners

More than 20 years of field trials and published evidence supporting the superior performance of MCP

... significantly increasing MCP supply...

ArborGen has invested significantly in expanding the supply of its superior MCP products, with previous investments now showing a marked increase in future supply

US South MCP Supply Availability¹ million seedling equivalents



...and favourable market dynamics, & strong sales team

Strong US housing trends and timber supply/demand dynamics in the US South Increasing demand for new wood products, particularly the use of mass timber Increasing importance of trees in addressing rising CO2 levels through afforestation and

... combined with the best sales team in the industry

reforestation projects

...driving increased MCP sales at significantly higher margins than OP

ArborGen's MCP seedlings deliver significant gains to forest owners and \$ margins 6-8 times than that of OP seedlings

ArborGen is the leading provider of MCP seedling products in the US, responsible for 80+% of all MCP sales

ArborGen is years ahead of the competition

The chart shows projected seed supply in seedling equivalents, rather than sales. 2020 year refers to the fiscal year ending March 2021. MCP supply projections are based on a number of factors including the number of trees in our seed orchards, number of flowers bagged and number of flowers pollinated each year which are subject to climatic variabilities), as well as bushels of cones harvested, pounds of seed extracted per bushel, and the number of seedlings per pound of seed. As such, actuals may vary from projections due to biological factors outside of our control, as well as operational decisions.



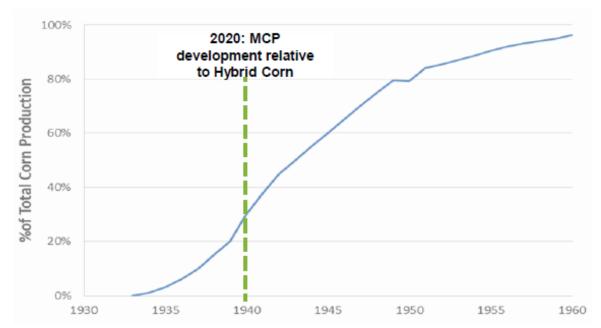
Adoption of advanced genetics is reaching tipping point

Adoption of MCP is on the same trajectory as Hybrid Corn

Hybrid Corn transformed agricultural productivity in the 20th Century

MCP® and other advanced genetic products will drive forest productivity in the 21st

US MCP Loblolly Parallels with US Hybrid Corn Varieties Production



Source: NCSU CMP/MCP Industry Tree Improvement Cooperative, USDA Historical Database.



FY21 financial snapshot

USD \$m	FY21	FY20	% change
Revenue	52.7	56.9	-7%
Operating Earnings (before other significant items)	2.6	2.4	+8%
Net earnings ¹ (NPAT/NLAT)	3.2	(2.7)	
EBITDA (US-GAAP) 1,2,3	11.3	5.4	+109%
Net Operating Cashflow	9.9	4.8	+106%
Net Debt	27.4	29.6	-7%

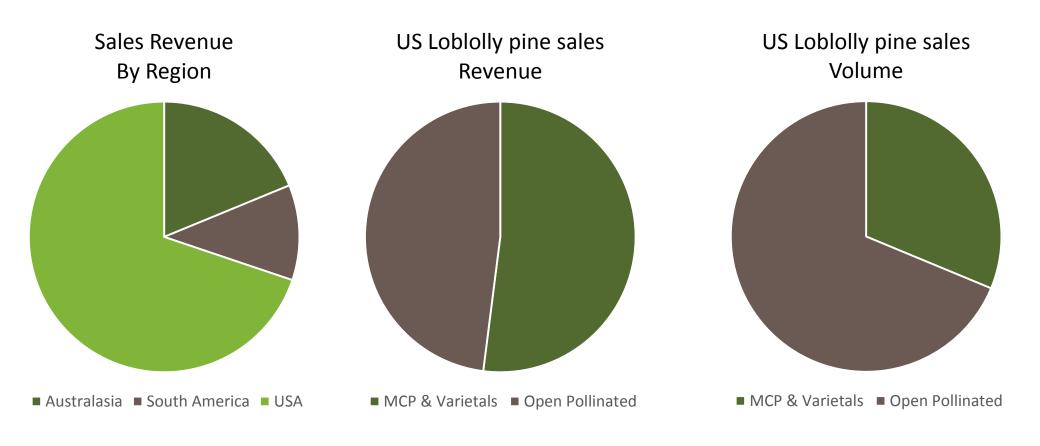
- · Solid year on year performance
- Pleasing result despite headwinds and challenges in 2021
- Significant improvements in net earnings, operating cashflow, EBITDA
- Positive benefit from cashflow initiatives
- Strengthened balance sheet and reduction in net debt

¹ Includes other significant items of \$2.0 million comprising government grant subsidies of \$3.7 million, partially offset by expenses in the period of \$1.7 million relating to seedlings written-off and incremental Covid expenses incurred in the period (2020: a loss of \$3.9 million).

^{2.} US-GAAP EBITDA is US-GAAP Earnings Before Interest, Tax, Depreciation and Amortisation. ArborGen uses US-GAAP EBITDA when discussing financial performance. This is a non-GAAP financial measure and is not recognised within IFRS. Non-GAAP financial measures should not be viewed in isolation nor considered as a substitute for measures reported in accordance with GAAP. Management believes that US-GAAP EBITDA provides useful information, as it is used internally to evaluate performance, and it is also a measure that equity analysts focus on for comparative company performance purposes, as the measure removes distortions caused by differences in asset age, depreciation policies and debt:equity structures. A reconciliation is provided in note 30 of the 31 March 2021 audited financial statements.

^{3.} Excludes public company costs of \$1.3 million

FY21 revenue and seedling sales







Macro trends are in our favour

- Strong US housing demand expected to grow over the next decade
 - Prolonged period of underbuilding
 - Favourable demographics (average age of Americans ~30 years)
 - Ageing housing stock
- Reforestation and forestation projects to reduce carbon emissions
- Growing demand for cross laminated timber
 - a further 200 billion more trees worldwide required by 2030 to meet projected demand
- NZ Government Policy and support of forestry, combined with aging pine plantations
- New pulp mills in Brazil, strong demand for eucalyptus based pulp and charcoal products



We are positioned for accelerated growth

- Our advanced genetics are now proven at scale and the transformation to advanced genetics is at an inflection point
- No competitor can match our MCP program's breadth or depth, and we are continuously developing more valuable products
- Our investments in orchard expansions a decade ago significantly increasing our MCP seed supply
- Demographics, global warming and other macro-trends are providing strong tail winds
- ✓ Geographic diversity reduces risk

Regional outlook for FY22

United States

- Return to pre-COVID sales and operating processes
- Easing of migrant labour restrictions
- Growing adoption of MCP as value story becomes evident
- ~ 30% increase in MCP seedling supply in FY22
- Focus on increasing proportion of MCP seedlings sold
- Strong underlying demand for solid wood products in the US and structural supply constraints in Canada, the Western US and Europe, driving expansion in US South sawmill capacity

Australasia

- Underlying demand drivers for forestry remain strong
- Continue to focus on NZ horticulture business, leveraging our expertise
- Crop species include high-value horticultural species such as hops, blueberries, rubus and tea

South America

- Orders to date are 70% higher than this time last year
- Positive market drivers increasing exports, new pulp mills and strong demand for eucalyptus based pulp and charcoal products
- Expansion of sales and marketing efforts
- Increased in-house production capacity and lower product costs
- Expanded advanced genetic eucalyptus portfolio

Outlook

Strong tailwinds for FY22

- Increased availability of proprietary MCP seedlings in US
- Improving market in all regions
- Higher demand for proprietary genetics in US and Brazil
- Return to pre-pandemic normalcy as COVID vaccine programmes are rolled out

Beyond FY22

- Increased MCP pollination achieved in 2021 (up 35% yoy) will materially lift MCP seed volume, and in turn, MCP seedling production in fiscal year ending March 2024
- Strong housing growth and carbon credits provide significant growth opportunities
- Opportunity to extend proprietary somatic embryo capabilities, genomics and tissue culture expertise into other crop species

FY22 guidance

Subject to any uncontrollable factors, we are targeting US-GAAP EBITDA for the current year ending March 2022 to be in the \$13 - \$14.5 million range — a material increase on FY21 US-GAAP EBITDA which included government grant income, resulting in higher cash flow and further reduction in net debt

Contact us

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