Hort Innovation

Australian Horticulture Statistics Handbook

Vegetables

2016/17

Disclaimer

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The Australian Horticulture Statistics Handbook 2016/17 has been funded by Horticulture Innovation Australia Limited using the across industry levy and funds from the Australian Government.

This Handbook is an analysis that combines all available data on production, international trade, processing volumes and fresh market distribution in order to produce statistics on 75 horticultural categories over the year ending 30 June 2017.

Summary of Approach

The Handbook adopts a modelling approach that centres on determining the fresh market value and volume for each category, that reconciles production with local and international distribution channel throughputs. Fresh market supply volume is determined as follows:

Fresh Supply = Production - Fresh Exports - Processing + Fresh Imports

- Farm gate production quantity has been informed through a number of sources, including Hort Innovation funded data projects, horticultural government levy data where available, and refined through consultation with informed industry bodies. The corresponding value of production is calculated from wholesale pricing information, before removing known logistical, marketing and wholesale costs to reflect product value at the farm gate.
- Export and import trade volume and value is based on Australian Customs data as reported in IHS Global Trade Atlas data.
- Processing data has been obtained through consultation with industry processors[1].

See pages 16 and 17 under 'research method' for a detailed description on this Handbook's methodology.

[1]Note that the $ value of processing volumes has not been included in the analysis.

Overview

This publication covers the year ending 30 June 2017 and examines the production and distribution of horticulture products. Some of the key influences on horticultural production and distribution over this period are summarised below.

Production conditions were disrupted by climate events in Queensland and biosecurity in Western Australia with most of the impact on vegetables. In these conditions the wholesale value per kg of fresh fruit and vegetables supplied to the local market increased by 11.4% to $2.45 per kg.

The domestic food market conditions remain competitive as new entrants into the retail channel expanded their store networks. Australian household expenditure on food out of home increased to 34.8% of total food expenditure and was reflected in stronger demand from food service buyers.

Total fresh horticulture exports were valued at **$2.01 billion** in 2016/17 with increases in the exports of citrus, table grapes, macadamias, and carrots. This was 5% lower than the previous year, primarily driven by a marked reduction in Almond export prices.

Export market optimism has once again lifted and is reflected in a higher level of investment in export market development activity.

Table of Contents

Introduction

Availability of valid statistical information is a key enabler across horticulture. The Australian Horticulture Statistics Handbook for the year ending 30 June 2017, is presented by Horticulture Innovation Australia for the purpose of consolidating horticulture statistical information for use by horticulture industry members and other stakeholders.

The information sources for this publication have drawn on data available from the Australian Bureau of Statistics, Hort Innovation funded projects, international trade sources and horticulture industry representative bodies (IRBs) where available. In this publication these sources have been expanded to include and draw on household consumption and local market distribution channel information, as assessed by Freshlogic, to provide a reconciled profile of each supply chain.

Headers in import and export analysis tables for each category have been revised in this edition for clarity. ‘Imports by state destination’ refers to the final destination of the product. ‘Exports by state of production origin’ refers to the state of origin where that product was produced.

Where additional information has led to a change in the previously quoted value from the 2015/16 edition for a category, this has been noted on the page of the relevant category.

This edition of the Handbook is made available electronically via the Hort Innovation website, at www.horticulture.com.au

Hort Innovation will evaluate the uptake and usage of the Handbook to ensure that future editions are delivered according to user needs.

Any comments regarding the Handbook should be forwarded to Hort Innovation at: feedback@horticulture.com.au

The 2016/17 Handbook has been compiled by Freshlogic.

Abbreviations

% YoY	% increase/decrease this year compared to last year
$	Australian Dollars
$b	Billion Australian Dollars
$m	Million Australian Dollars
2016/17	Year ending 30 June 2017
ABS	Australian Bureau of Statistics
CIF	Cost of Insurance and Freight (a measure of import value)
FOB	Free On Board (a measure of export value)
g	Grams
GTA	Global Trade Atlas
kg	Kilograms
KWE	Kernel Weight Equivalent
ha	Hectares
ISWE	In-Shell Weight Equivalent
L	Litres
m^2	Metres squared (a measure of area)
m m^2	Million metres squared (a measure of area)
ML	Mega Litres (1 million litres)
N/A	Not Available
t	Tonnes (1 thousand kilograms)

States

NSW	New South Wales
NT	Northern Territory
VIC	Victoria
QLD	Queensland
SA	South Australia
TAS	Tasmania
WA	Western Australia

Countries

PNG	Papua New Guinea
UAE	United Arab Emirates
UK	United Kingdom
US	United States of America

Definitions

Category—A particular horticultural commodity (e.g. bananas), or in some cases a combination of like commodities (e.g. the category 'rubus berries' covers raspberries and blackberries and other rubus).

Production—The volume in tonnes of the category that was grown in Australia over the year. This refers to production which was sold by the producer, either to the Australian fresh or processing markets, or to international trade markets. This does not cover any production that was not harvested, nor does it refer to any other forms of production of the category that do not enter these markets.

Value of Production—Sometimes referred to as 'Farm Gate Value,' this is the value of the production received by the producer.

Processing Volume—The volume in tonnes of the category that was sent to be processed, such as juicing, freezing or preserving.

Fresh Exports—The volume in tonnes of the production that was exported in a fresh form to other countries. Due to the way trade information is recorded, this may include some dried products, and will be marked as such where appropriate.

Value of Fresh Exports—The value in million dollars of the category's fresh exports. This is recorded in FOB (Free on Board) dollars.

Fresh Imports—The volume in tonnes of the category that was imported into Australia from another country in a fresh form.

Value of Fresh Imports—The value in million dollars of the category's fresh imports. This is recorded in CIF (Cost of Insurance and Freight) dollars.

Fresh Supply—The volume in tonnes of the category that was available to the Australian market in a fresh form. Volume supplied to the fresh market is typically either sold at retail or supplied to food service outlets.

Wholesale Value—The value in million dollars of the fresh supply at a wholesale market level, inclusive of net international trade flows. *Note that the Wholesale value is distinct from the Gross Value of Production tracked by the ABS, as that measure includes value of processing and exported product, and does not include imported product.*

In-Shell (*Nut categories*) —A measure of volume that includes the weight of the inedible shell around the kernel.

Kernel (*Nut categories*) —A measure of volume that only includes the edible kernel.

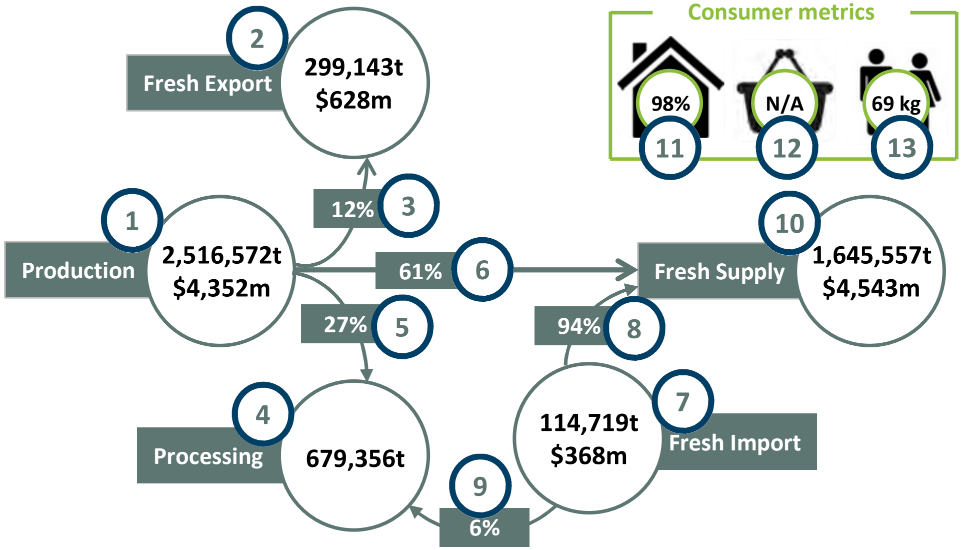
Crack Out Yield (*Nut categories*) —The percentage of edible kernel obtained from the in-shell volume during the cracking process.

How to use this book

This section outlines how to interpret the various graphs, tables and supply chain models used to profile each of the horticultural commodities covered in this handbook.

Fresh supply chain—Fruit and Vegetables

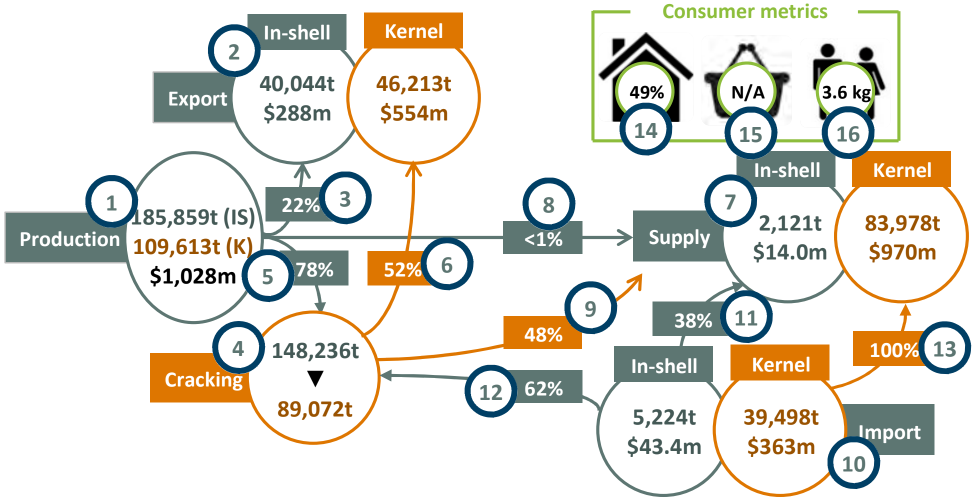
This example supply chain outlines the flow of a fruit or vegetable category over the year ending June 2017. It contains the following elements:



1. **Production**. This is the volume of the category grown in Australia over the year ending June 2017. This profiles the **Production** (volume in tonnes), as well as the value in million dollars obtained by the producers i.e. the **Value of Production**, sometimes known as the farm gate value.
2. **Fresh Exports**. The volume in tonnes of the production that was exported in a fresh form, and the value in million dollars received.
3. **Export Share**. The percentage share of production that was exported.
4. **Processing**. The volume in tonnes of the production that was sent to be processed (such as juicing, freezing or preserving etc).
5. **Processing Share**. The percentage share of production that was processed.
6. **Fresh Supply Share**. The percentage share of production that was sent to the Australian fresh market.
7. **Fresh Imports**. The volume in tonnes of the category that was imported in a fresh format from another country, and the value in million dollars paid to import.
8. **Import Fresh Supply Share**. The percentage share of fresh imports that was sent to the Australian fresh market.
9. **Import Processing Share**. The percentage share of fresh imports that was sent to be processed.
10. **Fresh Supply**. The volume of the category available to the Australian fresh market. It includes both Production that was sold into the fresh market, as well as Fresh Imports that were sold into the fresh market. This profiles the **Fresh Supply** (volume in tonnes), and the **Wholesale Value** in million dollars, which is the value of the Fresh Supply at a wholesale market level.
11. **Household Penetration**. The percentage of Australian households who bought the category at least once at retail, to be consumed either in or out of the home, over the year ending June 2017. ‘Out of home’ consumption is food prepared away from the home typically via food service channels and not prepared from ingredients purchased via retail.
12. **Average Purchase Quantity**. The average quantity purchased at retail per shopping trip by Australian households over the year ending June 2017. A shopping trip refers to a trip where this category is purchased.
13. **Fresh Supply per Capita**. The volume of fresh supply available to the Australian population, on a per capita basis.

Supply chain—Nuts & Olives

This example supply chain outlines the flow of a nut category over the year ending June 2017. Because nuts are sold both in an ***In-Shell*** and ***Kernel*** format, the nut supply chain profiles both elements, indicated by ***green*** for ***In-Shell*** and ***orange*** for ***Kernel***. The chain contains the following elements:



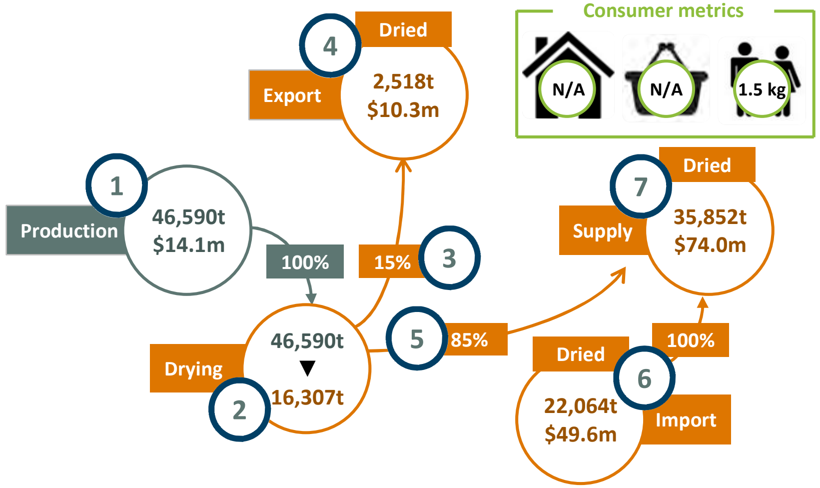
1. **Production**. This is the volume of the category grown in Australia over the year ending June 2017. This profiles the **Production** (volume in tonnes), in both ***In-Shell*** (written in ***green*** and denoted by ***IS***) and the ***Kernel*** equivalent of this volume after cracking (written in ***orange*** and denoted by ***K***), as well as the value in million dollars obtained by the producers i.e. the **Value of Production**.
2. **Exports**. The volume in tonnes of the production that was exported, and the value in million dollars received. This profiles both ***In-Shell*** exports and ***Kernel*** exports.
3. ***In-Shell* Export Share**. The percentage share of ***In-Shell*** production that was exported.
4. **Cracking**. The volume in tonnes of the ***In-Shell*** production and imported ***In-Shell*** product that was sent to be cracked so as to produce kernel. This profiles both the ***In-Shell*** volume in, and the ***Kernel*** volume out.
5. **Cracking Share**. The percentage share of ***In-Shell*** production that was cracked.
6. ***Kernel* Export Share**. The percentage share of cracked ***Kernel*** that was exported.
7. **Supply**. This is the volume of the category available to the Australian market. It includes both Production that was sold into the market, as well as Imports that were sold into the market. This profiles the **Supply** (volume in tonnes), and the **Wholesale Value** in million dollars, which is the value of the Supply at a wholesale market level. It covers both ***In-Shell*** and ***Kernel*** supply.
8. ***In-Shell* Supply Share**. The volume in tonnes of the ***In-Shell*** Production that was supplied to the market.
9. ***Kernel* Supply Share**. The volume in tonnes of cracked ***Kernel*** that was supplied to the market.
10. **Imports**. The volume in tonnes of the category that was imported from another country, and the value in million dollars paid to import. Profiles both ***In-Shell*** and ***Kernel*** imports.
11. ***In-Shell* Import Supply Share**. The percentage share of ***In-Shell*** imports that was sent to the Australian market.
12. ***In-Shell* Import Cracking Share**. The percentage share of ***In-Shell*** imports that was sent to be cracked.
13. ***Kernel* Import Supply Share**. The percentage share of ***Kernel*** imports that was sent to the Australian market.
14. **Household Penetration**. The percentage of Australian households who bought the category at least once at retail, to be consumed either in or out of the home, over the year ending June 2017. See page 11 for full definition.
15. **Average Purchase Quantity**. The average quantity purchased at retail per shopping trip by Australian households over the year ending June 2017. A shopping trip refers to a trip where this category is purchased.
16. **Fresh Supply per capita**. The volume of fresh supply available to the Australian population.

Note that olives (fruit) uses the same supply chain format as nuts. However, instead of an in-shell form, the supply chain refers to table olives, and instead of a kernel form, the supply chain refers to olive oil. The term “Cracking” is also replaced with “Oil Production”.

How to use this book

Processed supply chain—Dried/Canned Fruit

This example supply chain outlines the flow of the three dried/canned fruit categories over the year ending June 2017. It contains the following elements:



1. **Production**. The volume of the category grown in Australia over the year ending June 2017. This profiles the **Fresh Production** (written in ***green***) and as well as the value in million dollars obtained by the producers i.e. the **Value of Production**.
2. **Drying/Canning**. The volume in tonnes of the ***Fresh*** production that was sent to be processed. This profiles both the ***Fresh*** volume in, and the ***Processed*** volume out (written in ***orange***).
3. **Export Share**. The percentage share of ***Processing*** that was exported.
4. ***Dried/Canned* Exports**. The volume in tonnes of the ***Processing*** that was exported in a ***Processed*** form, and the value in million dollars received.
5. **Supply Share**. The percentage share of ***Processing*** that was sold locally.
6. ***Dried/Canned* Imports**. The volume in tonnes of imported ***Processed*** product, and the value in million dollars paid to import.
7. **Supply**. This profiles the **Supply** (volume in tonnes), and the **Wholesale Value** in million dollars, which is the value of the Supply at a wholesale market level. It includes both ***Processed*** production that was sold into the market, as well as ***Processed*** Imports that were sold into the market.

Data Tables

These tables are provided for each category. They profile key elements over the last three years (for the years ending June 2015, June 2016 and June 2017), as well as the percentage change in value year on year. They contain:

Year Ending June	2013	2014		2015	
	Value	Value	% YoY	Value	% YoY
Production (t)	77,844	83,527	+7%	87,543	+5%
Production ($m)	$ 567.0	$ 644.2	+14%	$ 679.0	+5%
Production area (Ha)	*2,092*	*3,123*	*+49%*	-	-
Fresh Export Volume (t)	850	1,630	+92%	2,015	+24%
Fresh Export Value ($m)	$ 6.3	$ 11.8	+88%	$ 14.5	+23%
Fresh Import Volume (t)	1,098	1,138	+4%	1,039	-9%
Fresh Import Value ($m)	$ 17.0	$ 19.1	+12%	$ 18.6	-2%
Fresh Supply (t)	65,660	70,217	+7%	73,271	+4%
Fresh Supply Wholesale Value ($m)	$ 681.4	$ 767.1	+13%	$ 809.0	+5%
Supply per Capita (kg)	2.84	2.99	+5%	3.08	+3%

- **Production**. The volume of the category grown in Australia.
- **Value of Production**. The value of the production over the year.
- **Production Area/Number of Trees/Vines**. A measure of the growing area of the category (in hectares), or the number of trees/vines used to grow the category over the year. This data has been gathered from the Australian Bureau of Statistics Agricultural Statistics information, the largest survey of growers available. *This information has been included for indicative purposes only, and should be viewed as such*.
- **Export Volume and Value**. The volume in tonnes and the value in million dollars of the category exported in a fresh form over the year.
- **Import Volume and Value**. The volume in tonnes and the value in million dollars of the category imported in a fresh form over the year.
- **Supply**. The volume in tonnes of the category made available to the local Australian fresh market, including locally grown product and imported fresh product.
- **Wholesale Value**. The value in million dollars of the supply at a wholesale market level.
- **Supply per capita**. The volume available to the Australian public. Calculated as the volume supply divided by the population for the year.

Research Method

Overview

This publication has gathered all available horticultural information and aligned it into supply chain profiles for each of the horticultural categories covered. The approach for each horticultural category has been to quantify available production, volumes processed, volumes exported and imported, and to then confirm that the resulting fresh volume supplied aligns with the Australian market distribution channels (primarily the retail and foodservice channels). This volume of fresh supply available to the Australian fresh marketplace is defined using the equation:

Fresh Supply = Production - Fresh Exports - Processing + Fresh Imports

The distribution channel modelling has drawn upon Freshlogic's THRUChain modelling system to ensure that fresh supply accommodates the sum volumes distributed by retail and food service channels. In the process of this modelling, information has been gathered from a number of supply chain sources and aligned with household consumer purchase metrics. The primary outputs are designed around aligned supply chains that map the distribution of total production. This design was used to deliver the most informed and accurate profiles and the outputs have been further confirmed by conferring with Industry Representative Bodies. The larger Industry Representative Bodies have advanced supply chain information systems in place and the outputs from these systems have been accessed to provide data inputs and validate findings.

In calculating the **production** and **volume processed**, a number of data sources have been relied upon. Where available and in most instances, this has been guided by information from Australian government horticultural levies, and refined through consultation with the Industry Representative Bodies and major trading stakeholders (such as processors, wholesalers and distributors) for the particular category.

Information on Australia's **imports and exports** of fresh and processed horticultural commodities has been compiled using the Global Trade Atlas®, an online global trade information database owned and operated by IHS Markit. Information on Australian trade in the Global Trade Atlas® has been compiled from information provided to the Australian Customs and Border Protection Service. The Import and Export analysis tables for each category identify the import source country under "Imports by country" and the export destination country under "Export by country".

Information on **wholesale value** has been modelled using wholesale pricing information from *Ausmarket Consultants* and the *Chamber of Fruit and Vegetable Industries in Western Australia*. This information has been used to define the **Value of Production** by removing known logistical, marketing and wholesale costs to calculate the value of categories to producers at farm gate.

Consumer information including percent of households purchasing a category, and average purchase quantities, has been sourced from Freshlogic's *Mealpulse*™ consumer survey and *DocketData*™ systems. Supply per capita has been calculated as total volume of fresh supply divided by population for the year ending June 2017 according to the ABS. The number of occupied households is assumed at 8.4 million and the population at 24.6 million for the 2016/17 year*.

Data on **production area** and **number of trees** has been gathered from Industry Representative Bodies and the ABS Agricultural Commodities publications**. *This information has been included for indicative purposes only, and should be viewed as such*.

Information on **major growing regions** has been sourced both from the ABS Agricultural statistics, and through consultation with the major Industry Representative Bodies. These sources have also been used to profile seasonality and production volumes by state and by main variety of the category. *Note the information on volume by state and main variety has been included for illustrative purposes, and actual volumes may be within 10-25% of the listed volume.*

Throughout the document when data sources have been relied upon, this has been noted. Some of the more common sources have been abbreviated. The full list of sources has been provided on pages 18 and 19.

**ABS, Australian Demographic Statistics cat. no. 3101.0*

***ABS, Agricultural Commodities cat. no. 7121.0*

Research Method

Common Data Sources

Abbreviation	Data Source	Further information
ABS	*Agricultural Commodities*, Australian Bureau of Statistics	Information from *Agricultural Commodities cat. no. 7121.0*, 2015-16, 2014-15 and 2013-14 editions has been compiled. *Australian Demographic Statistics cat. no.* 3101.0 June 2017 edition. *2016 Census of Population and Housing*
AC	Ausmarket Consultants	Wholesale pricing information from the Adelaide, Brisbane, Melbourne and Sydney wholesale markets.
CFVIWA	Chamber of Fruit and Vegetable Industries of Western Australia	Wholesale pricing information from the Perth wholesale market.
Freshlogic Analysis	THRUChain analysis—Freshlogic	Supply chain modelling system that aligns the volumes of production and international trade with the volumes distributed through processing and all domestic market channels.
GTA	IHS —Global Trade Atlas®	www.gtis.com/gta

Abbreviation	Data Source	Further information
IRB	Industry Representative Bodies	Consultation with informed bodies to ensure information reconciles. The abbreviation 'IRB' is listed where multiple industry bodies were contacted for a category/group. Where one industry body was contacted for an individual category, the relevant name is listed.
MP & DD	Mealpulse™ panel and DocketData™	Freshlogic operated information gathering tools that provide the detail of household purchasing behaviours and a basis to reconcile supply with Australian market distribution channels.

Data sharing-List of projects

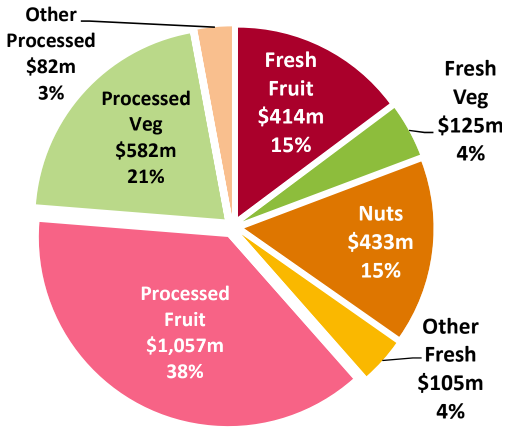
List of projects

In addition to common data sources, a number of Hort Innovation funded projects have provided data outputs which have informed the information provided in this handbook. These are outlined in the table below. Hort Innovation would like to acknowledge their input.

Project Code	Project Title
AL16002 (Almonds)	*Australian Almond Industry Statistics*
AP16002 (Apples)	*Apple and Pear Crop Estimates*
AV16006 (Avocados)	*Avocado Industry Data Capture and Analysis*
CH15000 (Chestnuts)	*Communication and adoption program for the Australian Chestnut Industry*
CT15012 (Citrus)	*Australian Citrus Industry Innovation and Market Development Program*
CU15002 (Custard Apples)	*Custard Apple Dispatch System 2*
MC15005 (Macadamias)	*Benchmarking the Macadamia Industry 2015-2018*
MC15009 (Macadamias)	*Macadamia Crop Forecasting 2015 - 2018*
MG13017 (Mangoes)	*Capacity Building, Information, Technology and Extension for the Australian mango industry (Crop Forecast)*
NY16004 (Nursery)	*Nursery industry statistics and research 2016/17*
PI13006 (Pineapples)	*Study groups enabling industry adaption to pineapple market changes (V)*
TM13007 (Tomatoes)	*Australian Processing Tomato Industry Capacity Building Program*
TU16001 (Turf)	*Turf industry statistics and research 2016/17*
VG15077 (Vegetables)	*Financial Performance of Australian Vegetable Farms 2016-17 to 2018-19*

Total Imports

For the year ending June 2017, Australia imported **$2.79 billion** worth of horticultural products. *The values below do not include wine grapes.* Processed fruit was the largest value import grouping. The value of imports by group is profiled in the chart and table below. The table below also includes the **top 3** import categories by value within each group. The value for nuts includes some processed nut products.

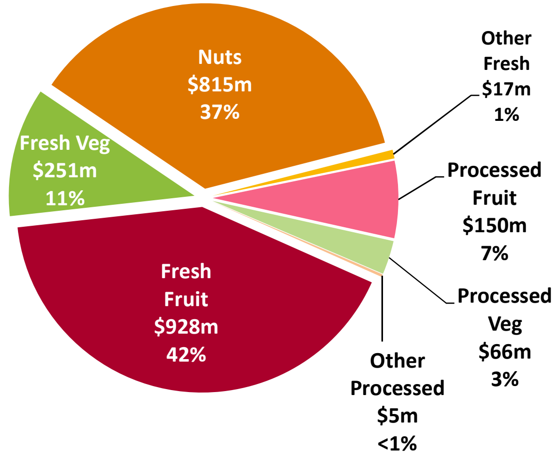


Sources: GTA; (Freshlogic Analysis)

Fresh Fruit	**$413.7m**	**Other Fresh Horticulture**	**$105.1m**
Avocados	$116.9m	Cut Flowers	$66.8m
Grapes	$63.3m	Bulbs	$23.3m
Kiwifruit	$50.9m	Live Plants	$15.0m
Fresh Vegetables	**$125.2m**	**Processed Fruit**	**$1,056.7m**
Garlic	$46.0m	Olives and Olive Oil	$223.8m
Asparagus	$25.2m	Orange Juice	$58.5m
Mushrooms	$10.7m	Dried Tree Fruits	$50.0m
Nuts	**$433.3m**	**Processed Vegetables**	**$582.2m**
Cashews	$185.8m	Potatoes	$183.3m
Walnuts	$42.3m	Tomatoes	$153.1m
Hazelnuts	$38.0m	Beans	$65.7m

Total Exports

For the year ending June 2017, Australia exported **$2.23 billion** worth of horticultural products. Fresh Fruit was the largest value export grouping. The value of exports by group is profiled in the chart and table below. The table below also includes the top 3 export categories within each group. *These values do not include wine grapes.*



Sources: GTA; (Freshlogic Analysis)

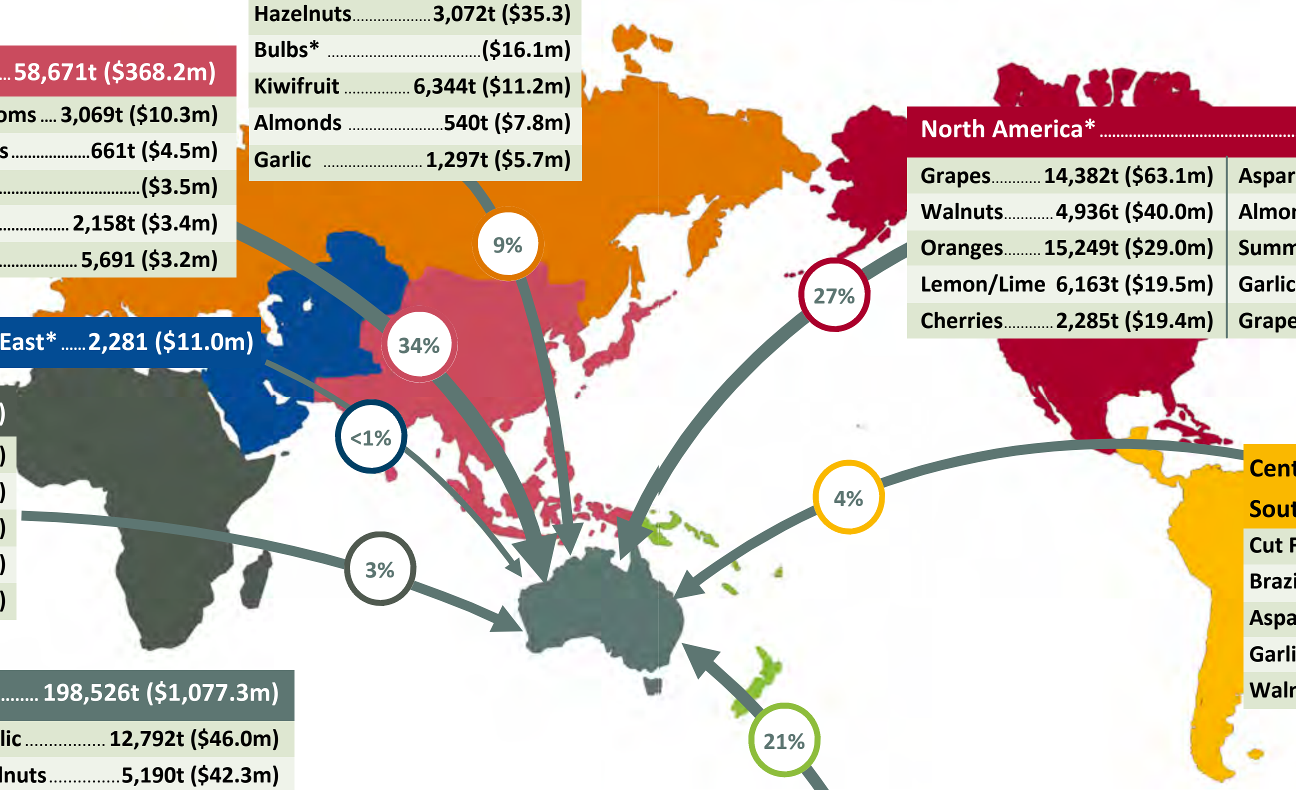
Fresh Fruit	**$927.7m**	**Other Fresh Horticulture**	**$16.9m**
Table Grapes	$372.6m	Cut Flowers	$9.7m
Oranges	$223.7m	Live Plants	$6.9m
Mandarins	$78.7m	Bulbs	$0.2m
Fresh Vegetables	**$250.6m**	**Processed Fruit**	**$149.7m**
Carrots	$90.7m	Dried Grapes and Grape Juice	$37.0m
Asparagus	$30.9m	Olives and Olive Oil	$23.6m
Potatoes	$27.8m	Orange Juice	$7.9m
Nuts	**$815.3m**	**Processed Vegetables**	**$65.6m**
Almonds	$461.2m	Tomatoes	$20.9m
Macadamias	$291.0m	Potatoes	$16.8m
Walnuts	$15.9m	Cabbage	$5.5m

International Trade—Fresh imports by region

Imports of fresh horticultural products by region

These pages profile total imports of **fresh** horticultural products by 7 world regions. For each region, the total imports of fresh products is profiled, as well as up to the top 10 products **by value**, on products where imports exceed $1 million.

The relative share of the **value** of imports from each of the 7 regions is also profiled in the circle associated with each region. Note that the total value and volume for all regions (located at the bottom left of the page) includes import information with no specified country, and therefore may exceed the sum of the individual regions.



Europe*	14,561t ($94.3m)
Hazelnuts	3,072t ($35.3)
Bulbs*	($16.1m)
Kiwifruit	6,344t ($11.2m)
Almonds	540t ($7.8m)
Garlic	1,297t ($5.7m)

Asia*	58,671t ($368.2m)		
Cashews	16,144t ($184.4m)	Mushrooms	3,069t ($10.3m)
Coconuts	15,786t ($35.9m)	Mangoes	661t ($4.5m)
Garlic	8,763t ($29.3m)	Bulbs*	($3.5m)
Cut Flowers*	($27.6m)	Pears	2,158t ($3.4m)
Live Plants*	($13.0m)	Onions	5,691 ($3.2m)

North America*	62,314t ($288.5m)		
Grapes	14,382t ($63.1m)	Asparagus	3,172t ($18.6m)
Walnuts	4,936t ($40.0m)	Almonds	1,375t ($12.2m)
Oranges	15,249t ($29.0m)	Summerfruit	2,749t ($11.3m)
Lemon/Lime	6,163t ($19.5m)	Garlic	1,297t ($6.4m)
Cherries	2,285t ($19.4m)	Grapefruit	957t ($2.0m)

Middle East*	2,281 ($11.0m)

Africa	7,257t ($29.1m)
Cut Flowers*	($17.3m)
Oranges	4,855t ($5.0m)
Lemons/Limes	1,367t ($2.2m)
Garlic	592t ($1.8m)
Macadamias	75t ($1.4m)

Central & South America*	3,257t ($42.9m)
Cut Flowers*	($18.2m)
Brazil Nuts	1,043t ($11.4m)
Asparagus	1,033t ($6.3m)
Garlic	810t ($2.7m)
Walnuts	166t ($1.4m)

Total Imports**	198,526t ($1,077.3m)		
Cashews	16,280t ($185.8m)	Garlic	12,792t ($46.0m)
Avocados	23,355t ($116.9m)	Walnuts	5,190t ($42.3m)
Cut Flowers*	($66.8m)	Hazelnuts	3,286t ($38.0m)
Grapes	14,404t ($63.3m)	Coconuts	17,162t ($36.9m)
Kiwifruit	23,526 ($50.9m)	Oranges	20,693t ($34.9m)

New Zealand + Oceania*	51,065t ($226.9m)		
Avocados	23,355t ($116.9m)	Summerfruit	793t ($4.2m)
Kiwifruit	17,182t ($39.7m)	Persimmons	478t ($2.8m)
Blueberries	1,210t ($27.0m)	Tomatoes	922t ($2.3m)
Almonds	947t ($8.7m)	Hazelnuts	140t ($1.8m)
Capsicums	1,307t ($5.4m)	Bulbs*	($1.6m)

Source: GTA

*Flower and nursery imports are recorded by each rather than weight, and so tonnes of these categories are not included in totals.

**Total includes imports with no specified country.

International Trade—Fresh exports by region

Exports of fresh horticultural products by region

These pages profile total exports of **fresh** horticultural products by 7 world regions. For each region, the total exports of fresh product is profiled, as well as up to the top 10 products **by value**, on products where exports exceed $1 million.

The relative share of the **value** of exports to each of the 7 regions is also profiled in the circle associated with each region. Note that the total value and volume for all regions (located at the bottom left of the page) includes export information with no specified country, and therefore may exceed the sum of the individual regions.

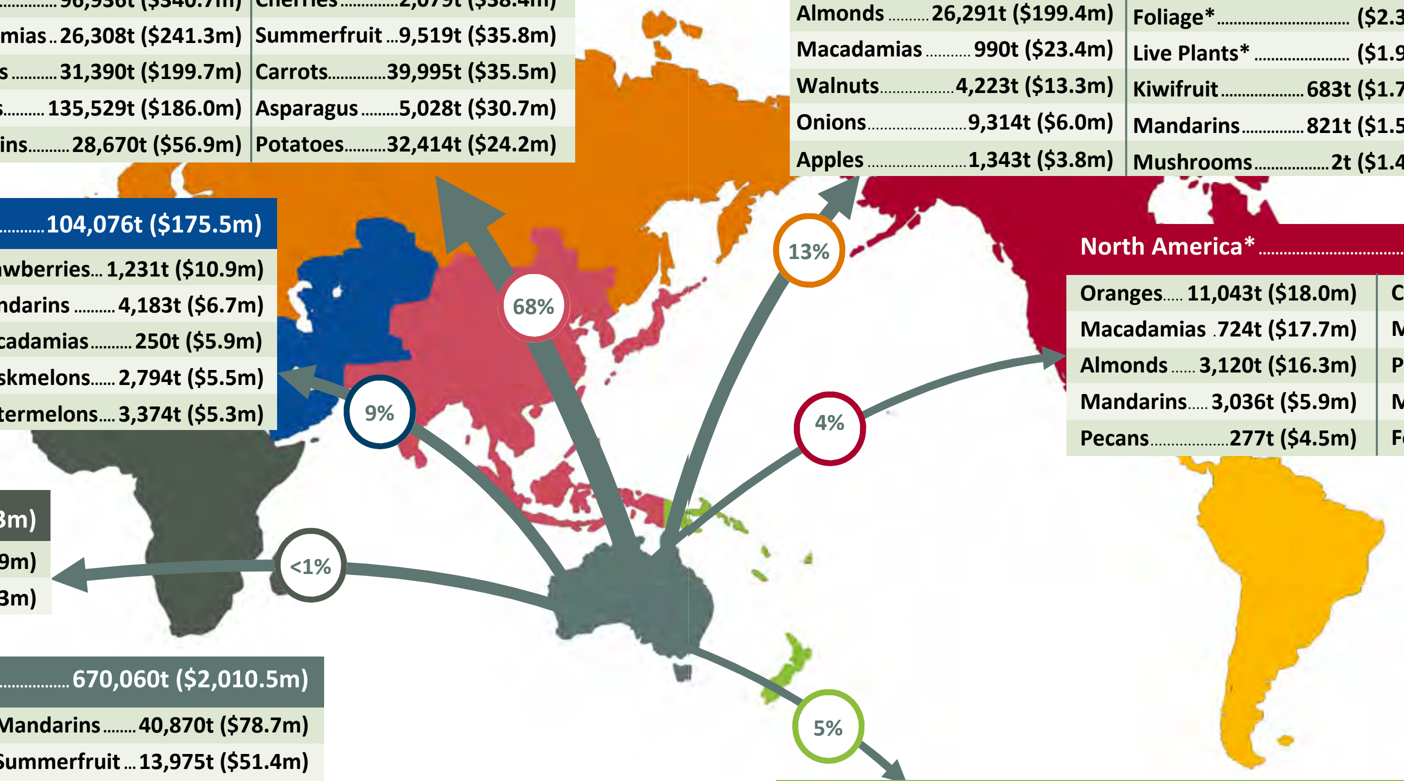
Asia*	466,310t ($1,382.6m)		
Grapes	96,936t ($340.7m)	Cherries	2,079t ($38.4m)
Macadamias	26,308t ($241.3m)	Summerfruit	9,519t ($35.8m)
Almonds	31,390t ($199.7m)	Carrots	39,995t ($35.5m)
Oranges	135,529t ($186.0m)	Asparagus	5,028t ($30.7m)
Mandarins	28,670t ($56.9m)	Potatoes	32,414t ($24.2m)

Europe	44,172t ($260.5m)		
Almonds	26,291t ($199.4m)	Foliage*	($2.3m)
Macadamias	990t ($23.4m)	Live Plants*	($1.9m)
Walnuts	4,223t ($13.3m)	Kiwifruit	683t ($1.7m)
Onions	9,314t ($6.0m)	Mandarins	821t ($1.5m)
Apples	1,343t ($3.8m)	Mushrooms	2t ($1.4m)

Middle East	104,076t ($175.5m)		
Carrots	60,272t ($52.5m)	Strawberries	1,231t ($10.9m)
Almonds	2,584t ($21.5m)	Mandarins	4,183t ($6.7m)
Grapes	5,614t ($18.0m)	Macadamias	250t ($5.9m)
Summerfruit	3,975t ($13.3m)	Muskmelons	2,794t ($5.5m)
Oranges	11,152t ($11.2m)	Watermelons	3,374t ($5.3m)

North America*	20,630t ($79.8m)		
Oranges	11,043t ($18.0m)	Cherries	126t ($1.7m)
Macadamias	724t ($17.7m)	Mushrooms	1.6t ($1.5m)
Almonds	3,120t ($16.3m)	Pears	855t ($1.4m)
Mandarins	3,036t ($5.9m)	Mangoes	167t ($1.1m)
Pecans	277t ($4.5m)	Foliage*	($1.0m)

Africa	2,123t ($10.3m)
Almonds	907t ($6.9m)
Seed Potato	1,101t ($1.3m)



Total Exports**	670,060t ($2,010.5m)		
Almonds	66,311t ($461.1m)	Mandarins	40,870t ($78.7m)
Grapes	106,666t ($372.7m)	Summerfruit	13,975t ($51.4m)
Macadamias	28,378t ($291.0m)	Cherries	2,461t ($43.3m)
Oranges	164,043t ($223.8m)	Strawberries	3,881t ($32.6m)
Carrots	102,937t ($90.8m)	Asparagus	5,056 ($30.9m)

New Zealand + Oceania	37,440t ($106.4m)		
Almonds	1,893t ($16.3m)	Muskmelons	3,369t ($5.7m)
Grapes	3,843t ($13.1m)	Pears	3,579t ($5.5m)
Oranges	6,114t ($8.4m)	Strawberries	586t ($5.3m)
Mandarins	4,158t ($7.6m)	Mangoes	829t ($3.2m)
Beans	1,549t ($6.6m)	Watermelons	2,641t ($2.9m)

Source: GTA

*Flower and nursery exports are recorded by each rather than weight, and so tonnes of these categories are not included in totals.

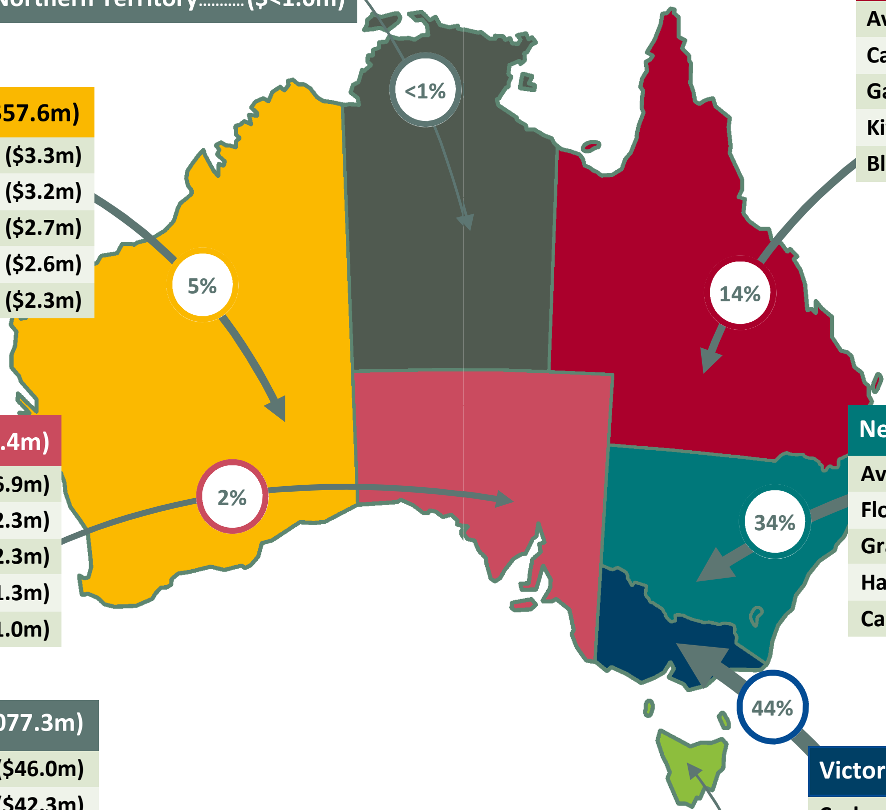
**Total includes exports with no specified country.

International Trade—Fresh imports by state

Imports of fresh horticultural products by state

These pages profile total imports of **fresh** horticultural products by Australian state or territory. For each state, the total imports of fresh products is profiled, as well as up to the top 10 products **by value**, on products where imports exceed $1 million.

The relative share of the **value** of imports to each of the states is also profiled in the circle associated with each region. Note that the total value and volume for all states (located at the bottom left of the page) includes import information with no specified state, and therefore may exceed the sum of the individual states.



Northern Territory..........($<1.0m)

Western Australia*	16,265t ($57.6m)		
Flowers*	($8.8m)	Blueberries	148t ($3.3m)
Grapes	1,438t ($5.9m)	Lemons/Limes	1,086t ($3.2m)
Oranges	3,740t ($5.3m)	Asparagus	440t ($2.7m)
Garlic	1,269t ($4.9m)	Summerfruit	596t ($2.6m)
Kiwifruit	2,300t ($4.8m)	Cashews	184t ($2.3m)

Queensland*	27,481t ($145.7m)		
Avocados	10,169t ($48.7m)	Flowers*	($5.5m)
Cashews	1,396t ($17.2m)	Live Plants*	($4.6m)
Garlic	2,093t ($7.2m)	Oranges	2,490t ($4.5m)
Kiwifruit	2,961t ($6.7m)	Grapes	1,058t ($4.4m)
Blueberries	253t ($5.6m)	Coconuts	1,543t ($3.8m)

South Australia*	3,256t ($18.4m)
Cashews	575t ($6.9m)
Flowers*	($2.3m)
Walnuts	263t ($2.3m)
Almonds	171t ($1.3m)
Bulbs*	($1.0m)

New South Wales*	75,300t ($371.5m)		
Avocados	7,536t ($47.8m)	Kiwifruit	9,763t ($21.7m)
Flowers*	($25.4m)	Garlic	4,732t ($17.4m)
Grapes	5,698t ($24.5m)	Live Plants*	($15.0m)
Hazelnuts	2,044t ($24.5m)	Coconuts	8,014t ($13.7m)
Cashews	2,216t ($22.4m)	Asparagus	2,287t ($13.6m)

Total Imports**	198,526t ($1,077.3m)		
Cashews	16,280t ($185.8m)	Garlic	12,792t ($46.0m)
Avocados	23,477t ($117.5m)	Walnuts	5,191t ($42.3m)
Cut Flowers*	($66.8m)	Hazelnuts	3,286t ($38.0m)
Grapes	14,404t ($63.3m)	Coconuts	17,162t ($36.9m)
Kiwifruit	23,526 ($50.9m)	Oranges	20,693t ($34.9m)

Victoria*	76,890t ($481.9m)		
Cashews	11,907t ($136.9m)	Walnuts	2,995t ($24.1m)
Avocados	5,680t ($28.6m)	Coconuts	6,978t ($18.5m)
Grapes	6,198t ($28.3m)	Bulbs*	($18.4m)
Cut Flowers*	($24.7m)	Kiwifruit	8,002t ($16.8m)
Almonds	2,420t ($24.3m)	Garlic	4,563t ($15.9m)

Tasmania..........($<1.0m)

Source: GTA

*Flower and nursery imports are recorded by each rather than weight, and so tonnes of these categories are not included in totals.

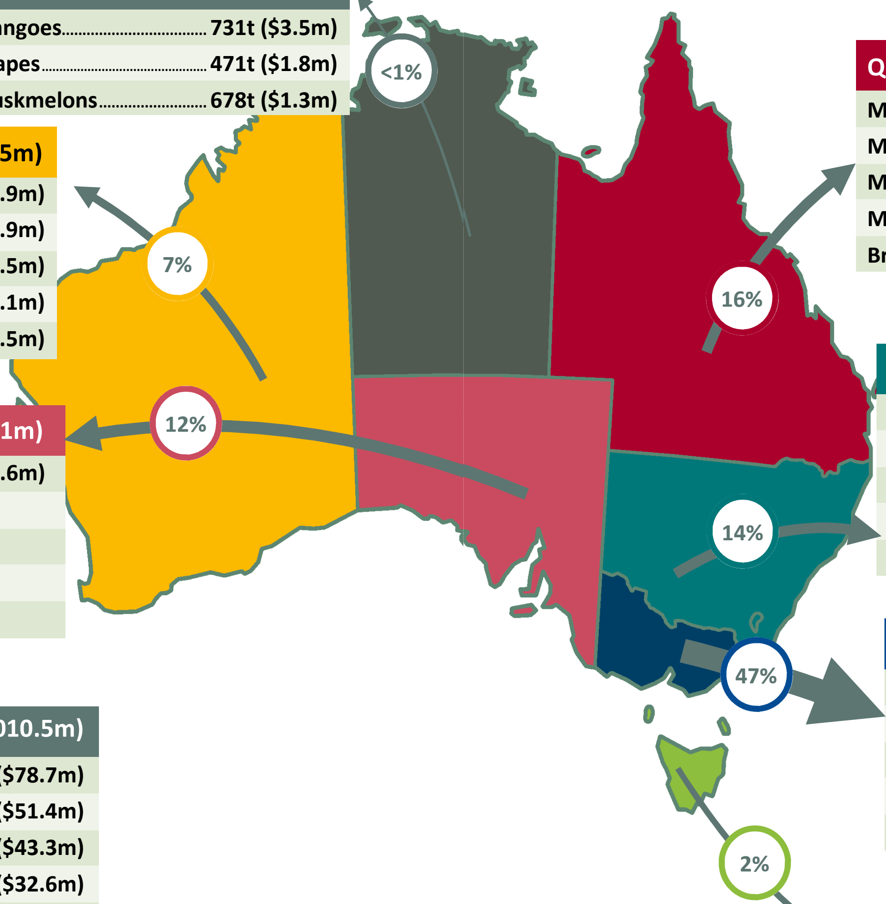
**Total includes imports with no specified state.

International Trade—Fresh exports by state

Exports of fresh horticultural products by state

These pages profile total exports of **fresh** horticultural products by Australian state or territory. For each state, the total exports of fresh products is profiled, as well as up to the top 10 products **by value**, on products where exports exceed $1 million.

The relative share of the **value** of exports from each of the states is also profiled in the circle associated with each region. Note that the total value and volume for all states (located at the bottom left of the page) includes export information with no specified state, and therefore may exceed the sum of the individual states.



Northern Territory	941t ($4.0m)
Mangoes	731t ($3.5m)
Grapes	471t ($1.8m)
Muskmelons	678t ($1.3m)

Western Australia			107,347t ($136.5m)
Carrots	88,326t ($75,3m)	Muskmelons	2,151t ($2.9m)
Strawberries	3,343t ($28.9m)	Cut Flowers*	($2.9m)
Mushrooms	6t ($4.0m)	Oranges	1,917t ($2.5m)
Onions	5,242t ($3.6m)	Celery	1,687t ($2.1m)
Potatoes	2,349t ($3.0m)	Avocados	214t ($1.5m)

South Australia			102,651t ($243.1m)
Almonds	16,190t ($126.4m)	Apples	977t ($2.6m)
Oranges	58,928t ($79.7m)		
Mandarins	7,279t ($13.6m)		
Potatoes	12,321t ($11.0m)		
Onions	4,648t ($3.9m)		

Queensland			84,011t ($328.7m)
Macadamias	16,291t($151.6m)	Avocados	1,629t ($8.8m)
Mandarins	24,571t ($49.7m)	Beans	1,573t ($6.8m)
Mangoes	5,326t ($20.8m)	Watermelons	4,603t ($5.7m)
Muskmelons	7,624t ($13.0m)	Oranges	2,633t ($4.7m)
Broccoli/Cauli	3,198t ($9.3m)	Apples	1,351t ($4.2m)

New South Wales*			75,175t ($273.8m)
Macadamias	10,775t ($129.9m)	Summerfruit	2,777t ($10.4m)
Oranges	23,682t ($33.3m)	Pecans	820t ($9.9m)
Grapes	5,622t ($19.3m)	Cherries	539t ($6.7m)
Walnuts	4,662t ($15.1m)	Blueberries	265t ($6.1m)
Potatoes	19,153t ($11.3m)	Muskmelons	2,247t ($4.3m)

Victoria*			273,720t ($946.8m)
Grapes	99,910t ($348.9m)	Mandarins	6,748t ($12.4m)
Almonds	49,336t ($329.8m)	Pears	6,473t ($10.8m)
Oranges	70,535t ($103.1m)	Cherries	506t ($8.8m)
Summerfruit	9,767t ($36.0m)	Cut Leaf Salads	796t ($5.4m)
Asparagus	5,042t ($30.8m)	Broccoli/Cauli	1,712t ($5.3m)

Tasmania	22,935t ($46.8m)
Cherries	1,381 ($27.4m)
Onions	13,709t ($9.0m)
Carrots	6,988t ($6.7m)
Apples	442t ($1.0m)

Total Exports**			670,060t ($2,010.5m)
Almonds	66,311t ($461.2m)	Mandarins	40,870t ($78.7m)
Grapes	106,666t ($372.7m)	Summerfruit	13,975t ($51.4m)
Macadamias	28,378t ($291.0m)	Cherries	2,461t ($43.3m)
Oranges	164,043t ($223.8m)	Strawberries	3,881t ($32.6m)
Carrots	102,937t ($90.8m)	Asparagus	5,056 ($30.9m)

Source: GTA

*Flower and nursery exports are recorded by each rather than weight, and so tonnes of these categories are not included in totals.

**Total includes exports with no specified state.

Data Tables—Production

Production Volume

The table below summarises the **Production** in **tonnes** of all products profiled in this statistics handbook, where appropriate, for the year ending June 2017.

Note: The processed fruit lines marked with an asterisk (*) do not contribute to total fruit production, as they have been counted towards the total in their respective categories (eg production of canning pineapples are already counted in the pineapple category). The exceptions are dried grapes, which is not a part of the table grapes category, and olives, which is not part of another fruit category.

Year Ending June 2017	Production (t)
All Horticultural Products	**6,337,978**
All Fruit	**2,649,093**
Apples	319,686
Avocados	65,992
Bananas	413,660
Berries - Combined	106,582
Blueberries	9,553
Rubus Berries	5,946
Strawberries	91,083
Cherries	11,012
Citrus - Combined	708,121
Grapefruit	12,647
Lemons/Limes	41,436
Mandarins	147,648
Oranges	506,391
Custard Apples	1,764
Kiwifruit	9,791
Lychees	2,419
Mangoes	61,474
Melons - Combined	231,146
Muskmelons	67,020
Watermelons	164,126
Nashi	3,000

Year Ending June 2017	Production (t)
Passionfruit	5,004
Papaya/Pawpaw	18,381
Persimmons	2,516
Pears	108,065
Pineapples	77,482
Summerfruit - Combined	126,177
Apricots	7,163
Nectarines/Peaches	92,017
Plums	26,997
Table Grapes	171,637
Processing Fruit Combined*	261,639
Dried Grapes	67,500
Prunes*	12,500
Other Dried Tree Fruit*	1,528
Canned Fruit*	50,111
Olives	130,000
Other Fruit	*7,686*
All Vegetables	**3,502,673**
Artichokes	374
Asparagus	8,033
Beans	29,039
Beetroot	14,053
Broccoli/Baby Broccoli	75,231

Year Ending June 2017	Production (t)
Brussels Sprouts	5,734
Cabbage	71,126
Capsicums	73,488
Carrots	318,198
Cauliflower	67,704
Celery	62,100
Chillies	2,213
Cucumbers	87,776
Eggplant	9,028
Eng.Spinach/Silverbeet/Kale	7,205
Fresh Herbs - Combined	11,367
Fennel	1,140
Parsley and Other Herbs	10,227
Garlic	1,786
Ginger	7,405
Leafy Asian Vegetables	29,067
Leafy Salad Vegetables	52,356
Leeks	9,051
Head Lettuce	128,225
Mushrooms	67,089
Onions	237,635
Parsnips	3,301
Peas	32,733

Year Ending June 2017	Production (t)
Potatoes	1,333,418
Pumpkins	120,981
Sweet Corn	61,333
Sweetpotatoes	87,847
Tomatoes	426,398
Zucchini	37,580
Other Vegetables	*23,801*
All Nuts	**186,211**
Almonds (Inshell)**	115,429
Chestnuts (Inshell)	1,200
Hazelnuts (Inshell)**	600
Macadamias (Inshell)	46,450
Pecans (Inshell)	2,600
Pistachios (Inshell)	1,600
Walnuts (Inshell)	13,000
Other Nuts (Inshell)	5,332
Other Horticulture	**N/A**
Cut Flowers	N/A
Nursery	N/A
Turf	N/A

Sources: ABS; GTA; IRB; MP & DD (Freshlogic Analysis)

*Note: Total in-shell nut production includes the volumes of almonds and hazelnuts (marked with **) in an in-shell equivalent weight.*

Data Tables—Value of Production

Production Value

The table below summarises the **Value of Production** in **million dollars** of all products profiled in this statistics handbook, where appropriate, for the year ending June 2017.

Year Ending June 2017	Production ($m)
All Horticultural Products	**$12,910.0**
All Fruit	**$4,859.5**
Apples	$497.2
Avocados	$374.5
Bananas	$514.4
Berries - Combined	$866.6
Blueberries	$193.6
Rubus Berries	$166.5
Strawberries	$506.5
Cherries	$120.7
Citrus - Combined	$724.2
Grapefruit	$17.4
Lemons/Limes	$105.2
Mandarins	$268.1
Oranges	$333.5
Custard Apples	$7.1
Kiwifruit	$20.4
Lychees	$26.7
Mangoes	$195.7
Melons - Combined	$172.4
Muskmelons	$76.1
Watermelons	$96.4
Nashi	$8.9

Year Ending June 2017	Production ($m)
Passionfruit	$19.0
Papaya/Pawpaw	$31.6
Persimmons	$10.5
Pears	$122.9
Pineapples	$54.2
Summerfruit - Combined	$386.1
Apricots	$29.9
Nectarines/Peaches	$281.4
Plums	$74.8
Table Grapes	$534.4
Processing Fruit Combined*	$177.4
Dried Grapes	$27.0
Prunes*	$8.4
Other Dried Tree Fruit*	$0.5
Canned Fruit*	$16.3
Olives	$125.1
Other Fruit	*$19.6*
All Vegetables	**$4,291.6**
Artichokes	$0.9
Asparagus	$52.9
Beans	$77.8
Beetroot	$10.7
Broccoli/Baby Broccoli	$228.6

Sources: ABS; AC; CFVIWA; GTA; IRB; MP & DD (Freshlogic Analysis)

Note: The processed fruit lines marked with an asterisk (*) do not contribute to total fruit value, as they have been counted towards the total in their respective categories (eg value of canning pineapples are already counted in the pineapple category). The exceptions are dried grapes, which is not a part of the table grapes category, and olives, which is not part of another fruit category.

Year Ending June 2017	Production ($m)
Brussels Sprouts	$17.7
Cabbage	$45.0
Capsicums	$172.4
Carrots	$231.3
Cauliflower	$52.9
Celery	$59.6
Chillies	$9.4
Cucumbers	$182.1
Eggplant	$14.9
Eng.Spinach/Silverbeet/Kale	$20.4
Fresh Herbs - Combined	$155.5
Fennel	$2.3
Parsley and Other Herbs	$153.3
Garlic	$7.9
Ginger	$19.8
Leafy Asian Vegetables	$67.7
Leafy Salad Vegetables	$304.3
Leeks	$20.4
Head Lettuce	$154.5
Mushrooms	$396.6
Onions	$174.2
Parsnips	$10.7
Peas	$59.7

Year Ending June 2017	Production ($m)
Potatoes	$717.0
Pumpkins	$76.2
Sweet Corn	$66.6
Sweetpotatoes	$87.7
Tomatoes	$645.2
Zucchini	$70.9
Other Vegetables	*$80.0*
All Nuts	**$922.6**
Almonds	$553.6
Chestnuts	$11.8
Hazelnuts	$2.0
Macadamias	$255.5
Pecans	$18.5
Pistachios	$19.0
Walnuts	$33.0
Other Nuts	$29.3
Other Horticulture	**$2,836.2**
Cut Flowers	$275.6
*Nursery**	*$2,290.0*
Turf	$270.6

*Note: The nursery production value is from 2015/16 and has been reported for indication only. This value has been provided outside of THRUchain methodology and is based directly on project output from **NY16004**. See pages 468 to 473.*

Data Tables—Volume of Fresh Exports

Volume of Fresh Exports

The table below summarises the **Volume of Fresh Exports** in **tonnes** of all products profiled in this statistics handbook, where appropriate, for the year ending June 2017.

Year Ending June 2017	Fresh Export Volume (t)
All Horticultural Products	**670,060**
All Fruit	**378,524**
Apples	4,950
Avocados	2,315
Bananas	
Berries - Combined	4,244
Blueberries	356
Rubus Berries	7
Strawberries	3,881
Cherries	2,462
Citrus - Combined	208,041
Grapefruit	1,197
Lemons/Limes	1,724
Mandarins	40,871
Oranges	164,044
Custard Apples	88
Kiwifruit	944
Lychees	411
Mangoes	7,120
Melons - Combined	19,327
Muskmelons	13,211
Watermelons	6,116
Nashi	

Year Ending June 2017	Fresh Export Volume (t)
Passionfruit	
Papaya/Pawpaw	57
Persimmons	143
Pears	7,131
Pineapples	
Summerfruit - Combined	13,975
Apricots	431
Nectarines/Peaches	9,023
Plums	4,521
Table Grapes	106,666
Processing Fruit Combined*	
Dried Grapes*	
Prunes*	
Other Dried Tree Fruit*	
Canned Fruit*	
Olives*	
Other Fruit	*649*
All Vegetables	**192,412**
Artichokes	7
Asparagus	5,056
Beans	1,594
Beetroot	367
Broccoli/Baby Broccoli	5,010

Sources: GTA; IRB; (Freshlogic Analysis)

Year Ending June 2017	Fresh Export Volume (t)
Brussels Sprouts	248
Cabbage	2,624
Capsicums	346
Carrots	102,937
Cauliflower	683
Celery	3,872
Chillies	3
Cucumbers	105
Eggplant	10
Eng.Spinach/Silverbeet/Kale	166
Fresh Herbs - Combined	
Fennel	
Parsley and Other Herbs	
Garlic	94
Ginger	17
Leafy Asian Vegetables	
Leafy Salad Vegetables	1,313
Leeks	176
Head Lettuce	194
Mushrooms	62
Onions	24,798
Parsnips	
Peas	18

Year Ending June 2017	Fresh Export Volume (t)
Potatoes	34,782
Pumpkins	2,086
Sweet Corn	
Sweetpotatoes	866
Tomatoes	530
Zucchini	
Other Vegetables	*4,447*
All Nuts*	**99,124**
Almonds*	66,311
Chestnuts*	
Hazelnuts*	23
Macadamias*	23,903
Pecans*	911
Pistachios*	127
Walnuts*	4,750
*Other Nuts**	3,099
Other Horticulture	**N/A**
Cut Flowers	N/A
Nursery	N/A
Turf	N/A

**Note: Nut exports includes both the kernel and in-shell form. Further information on volumes of each type is provided on pages 420 to 453.*

Data Tables—Value of Fresh Exports

Value of Fresh Exports

The table below summarises the **Value of Fresh Exports** in **million dollars** of all products profiled in this statistics handbook, where appropriate, for the year ending June 2017.

Year Ending June 2017	Fresh Export Value ($m)
All Horticultural Products	**$2,010.5**
All Fruit	**$927.7**
Apples	$12.7
Avocados	$12.5
Bananas	
Berries - Combined	$41.2
Blueberries	$8.5
Rubus Berries	$0.2
Strawberries	$32.6
Cherries	$43.3
Citrus - Combined	$310.3
Grapefruit	$2.5
Lemons/Limes	$4.8
Mandarins	$78.7
Oranges	$223.8
Custard Apples	$0.5
Kiwifruit	$3.0
Lychees	$5.6
Mangoes	$29.7
Melons - Combined	$31.9
Muskmelons	$23.4
Watermelons	$8.5
Nashi	

Year Ending June 2017	Fresh Export Value ($m)
Passionfruit	
Papaya/Pawpaw	$0.2
Persimmons	$0.7
Pears	$12.2
Pineapples	
Summerfruit - Combined	$51.4
Apricots	$1.7
Nectarines/Peaches	$33.9
Plums	$15.9
Table Grapes	$372.7
Processing Fruit Combined*	
Dried Grapes*	
Prunes*	
Other Dried Tree Fruit*	
Canned Fruit*	
Olives*	
Other Fruit	*$0.3*
All Vegetables	**$250.6**
Artichokes	<$0.1
Asparagus	$31.0
Beans	$6.9
Beetroot	$0.8
Broccoli/Baby Broccoli	$15.3

Sources: GTA; IRB; (Freshlogic Analysis)

Year Ending June 2017	Fresh Export Value ($m)
Brussels Sprouts	$1.1
Cabbage	$4.6
Capsicums	$1.3
Carrots	$90.8
Cauliflower	$1.7
Celery	$6.2
Chillies	<$0.1
Cucumbers	$0.4
Eggplant	<$0.1
Eng.Spinach/Silverbeet/Kale	$1.4
Fresh Herbs - Combined	
Fennel	
Parsley and Other Herbs	
Garlic	$0.4
Ginger	$0.2
Leafy Asian Vegetables	
Leafy Salad Vegetables	$8.4
Leeks	$0.8
Head Lettuce	$1.3
Mushrooms	$4.9
Onions	$18.1
Parsnips	
Peas	$0.1

Year Ending June 2017	Fresh Export Value ($m)
Potatoes	$27.8
Pumpkins	$3.2
Sweet Corn	
Sweetpotatoes	$1.8
Tomatoes	$2.5
Zucchini	
Other Vegetables	*$19.7*
All Nuts*	**$815.3**
Almonds*	$461.2
Chestnuts*	
Hazelnuts*	$0.3
Macadamias*	$291.0
Pecans*	$11.0
Pistachios*	$1.8
Walnuts*	$15.9
*Other Nuts**	$34.1
Other Horticulture	**$16.9**
Cut Flowers	$9.7
Nursery	$7.2
Turf	

**Note: Nut exports includes both the kernel and in-shell form. Further information on volumes of each type is provided on pages 420 to 453.*

Data Tables—Volume of Fresh Imports

Volume of Fresh Imports

The table below summarises the **Volume of Fresh Imports** in **tonnes** of all products profiled in this statistics handbook, where appropriate, for the year ending June 2017.

Year Ending June 2017	Fresh Import Volume (t)
All Horticultural Products	**198,526**
All Fruit	**122,951**
Apples	1,053
Avocados	23,355
Bananas	
Berries - Combined	1,211
Blueberries	1,211
Rubus Berries	
Strawberries	
Cherries	2,295
Citrus - Combined	30,104
Grapefruit	1,291
Lemons/Limes	7,812
Mandarins	298
Oranges	20,694
Custard Apples	
Kiwifruit	23,527
Lychees	
Mangoes	1,111
Melons - Combined	
Muskmelons	
Watermelons	
Nashi	

Year Ending June 2017	Fresh Import Volume (t)
Passionfruit	
Papaya/Pawpaw	61
Persimmons	492
Pears	2,158
Pineapples	
Summerfruit - Combined	3,577
Apricots	794
Nectarines/Peaches	2,235
Plums	548
Table Grapes	14,405
Processing Fruit Combined*	
Dried Grapes*	
Prunes*	
Other Dried Tree Fruit*	
Canned Fruit*	
Olives*	
Other Fruit	*19,610*
All Vegetables	**35,609**
Artichokes	
Asparagus	4,249
Beans	717
Beetroot	3
Broccoli/Baby Broccoli	

Sources: GTA; IRB; (Freshlogic Analysis)

Year Ending June 2017	Fresh Import Volume (t)
Brussels Sprouts	
Cabbage	1
Capsicums	1,374
Carrots	10
Cauliflower	
Celery	<0.1
Chillies	14
Cucumbers	1
Eggplant	
Eng.Spinach/Silverbeet/Kale	
Fresh Herbs - Combined	
Fennel	
Parsley and Other Herbs	
Garlic	12,792
Ginger	120
Leafy Asian Vegetables	
Leafy Salad Vegetables	4
Leeks	24
Head Lettuce	
Mushrooms	3,151
Onions	8,337
Parsnips	
Peas	782

Year Ending June 2017	Fresh Import Volume (t)
Potatoes	
Pumpkins	1
Sweet Corn	
Sweetpotatoes	124
Tomatoes	932
Zucchini	
Other Vegetables	*2,972*
All Nuts*	**39,966**
Almonds*	2,902
Chestnuts*	
Hazelnuts*	3,286
Macadamias*	81
Pecans*	
Pistachios*	2,340
Walnuts*	5,191
*Other Nuts**	26,166
Other Horticulture	**N/A**
Cut Flowers	N/A
Nursery	N/A
Turf	N/A

**Note: Nut imports includes both the kernel and in-shell form. Further information on volumes of each type is provided on pages 420 to 453.*

Data Tables—Value of Fresh Imports

Value of Fresh Imports

The table below summarises the **Value of Fresh Imports** in **million dollars** of all products profiled in this statistics handbook, where appropriate, for the year ending June 2017.

Year Ending June 2017	Fresh Import Value ($m)
All Horticultural Products	**$1,077.3**
All Fruit	**$413.7**
Apples	$2.4
Avocados	$116.9
Bananas	
Berries - Combined	$27.1
Blueberries	$27.1
Rubus Berries	
Strawberries	
Cherries	$19.5
Citrus - Combined	$60.6
Grapefruit	$2.5
Lemons/Limes	$22.3
Mandarins	$0.8
Oranges	$35.0
Custard Apples	
Kiwifruit	$50.9
Lychees	
Mangoes	$5.7
Melons - Combined	
Muskmelons	
Watermelons	
Nashi	

Year Ending June 2017	Fresh Import Value ($m)
Passionfruit	
Papaya/Pawpaw	$0.2
Persimmons	$2.8
Pears	$3.4
Pineapples	
Summerfruit - Combined	$15.5
Apricots	$4.2
Nectarines/Peaches	$8.8
Plums	$2.6
Table Grapes	$63.3
Processing Fruit Combined*	
Dried Grapes*	
Prunes*	
Other Dried Tree Fruit*	
Canned Fruit*	
Olives*	
Other Fruit	*$45.4*
All Vegetables	**$125.2**
Artichokes	
Asparagus	$25.2
Beans	$0.7
Beetroot	<$0.1
Broccoli/Baby Broccoli	

Sources: GTA; IRB; (Freshlogic Analysis)

Year Ending June 2017	Fresh Import Value ($m)
Brussels Sprouts	
Cabbage	<$0.1
Capsicums	$5.4
Carrots	<$0.1
Cauliflower	
Celery	<$0.1
Chillies	$0.2
Cucumbers	<$0.1
Eggplant	
Eng.Spinach/Silverbeet/Kale	
Fresh Herbs - Combined	
Fennel	
Parsley and Other Herbs	
Garlic	$46.0
Ginger	$0.6
Leafy Asian Vegetables	
Leafy Salad Vegetables	<$0.1
Leeks	<$0.1
Head Lettuce	<$0.1
Mushrooms	$10.7
Onions	$5.8
Parsnips	
Peas	$2.4

Year Ending June 2017	Fresh Import Value ($m)
Potatoes	
Pumpkins	<$0.1
Sweet Corn	
Sweetpotatoes	$0.4
Tomatoes	$2.3
Zucchini	
Other Vegetables	*$25.3*
All Nuts*	**$433.3**
Almonds*	$29.0
Chestnuts*	
Hazelnuts*	$38.0
Macadamias*	$0.4
Pecans*	
Pistachios*	$32.3
Walnuts*	$42.3
*Other Nuts**	$291.2
Other Horticulture	**$105.1**
Cut Flowers	$66.8
Nursery	$38.3
Turf	

**Note: Nut imports includes both the kernel and in-shell form. Further information on volumes of each type is provided on pages 420 to 453.*

Data Tables—Fresh Supply

Fresh Supply Volume

The table below summarises the **Volume of Fresh Supply** in **tonnes** of all products profiled in this statistics handbook, where appropriate, for the year ending June 2017.

Year Ending June 2017	Fresh Supply (t)
All Horticultural Products	**3,944,107**
All Fruit	**1,746,427**
Apples	223,234
Avocados	82,716
Bananas	412,423
Berries - Combined	90,626
Blueberries	9,500
Rubus Berries	5,469
Strawberries	75,657
Cherries	10,321
Citrus - Combined	309,546
Grapefruit	12,208
Lemons/Limes	43,797
Mandarins	104,180
Oranges	149,361
Custard Apples	1,676
Kiwifruit	32,373
Lychees	2,007
Mangoes	52,017
Melons - Combined	208,880
Muskmelons	52,494
Watermelons	156,386
Nashi	3,000

Year Ending June 2017	Fresh Supply (t)
Passionfruit	4,688
Papaya/Pawpaw	18,130
Persimmons	2,827
Pears	58,595
Pineapples	45,897
Summerfruit - Combined	97,164
Apricots	6,270
Nectarines/Peaches	76,400
Plums	14,493
Table Grapes	79,376
Processing Fruit Combined*	
Dried Grapes*	
Prunes*	
Other Dried Tree Fruit*	
Canned Fruit*	
Olives*	
Other Fruit	*10,931*
All Vegetables	**2,125,792**
Artichokes	367
Asparagus	7,226
Beans	28,163
Beetroot	5,232
Broccoli/Baby Broccoli	66,500

Sources: ABS; GTA; IRB; MP & DD (Freshlogic Analysis)

Note: The processed fruit lines marked with an asterisk (*) do not contribute to total fresh fruit supply volume because they are sold in a processed form.

Year Ending June 2017	Fresh Supply (t)
Brussels Sprouts	4,471
Cabbage	57,653
Capsicums	70,193
Carrots	195,710
Cauliflower	61,430
Celery	57,310
Chillies	1,713
Cucumbers	83,096
Eggplant	8,439
Eng.Spinach/Silverbeet/Kale	6,512
Fresh Herbs - Combined	10,941
Fennel	1,107
Parsley and Other Herbs	9,834
Garlic	9,900
Ginger	3,932
Leafy Asian Vegetables	29,067
Leafy Salad Vegetables	42,140
Leeks	8,898
Head Lettuce	128,031
Mushrooms	68,414
Onions	203,335
Parsnips	3,205
Peas	7,229

Year Ending June 2017	Fresh Supply (t)
Potatoes	428,613
Pumpkins	115,145
Sweet Corn	27,619
Sweetpotatoes	84,547
Tomatoes	242,119
Zucchini	36,916
Other Vegetables	*21,727*
All Nuts	**71,888**
Almonds	24,749
Chestnuts	1,200
Hazelnuts	3,720
Macadamias	1,326
Pecans	812
Pistachios	3,662
Walnuts	9,058
Other Nuts	27,360
Other Horticulture	**N/A**
Cut Flowers	N/A
Nursery*	N/A
Turf	N/A

**Note: Nut supply volume includes both the kernel and in-shell form. Further information on volumes of each type is provided on pages 420 to 453.*

Data Tables—Wholesale Value

Fresh Supply Wholesale Value

The table below summarises the **Wholesale Value** of the Fresh Supply in **million dollars** of all products profiled in this statistics handbook, where appropriate, for the year ending June 2017.

Year Ending June 2017	Wholesale Value ($m)
All Horticultural Products	**$13,221.4**
All Fruit	**$4,929.3**
Apples	$554.5
Avocados	$534.2
Bananas	$623.4
Berries - Combined	$1,005.6
Blueberries	$255.1
Rubus Berries	$194.6
Strawberries	$555.8
Cherries	$126.3
Citrus - Combined	$571.6
Grapefruit	$20.0
Lemons/Limes	$144.2
Mandarins	$236.7
Oranges	$170.6
Custard Apples	$7.9
Kiwifruit	$77.0
Lychees	$25.9
Mangoes	$200.6
Melons - Combined	$170.8
Muskmelons	$66.0
Watermelons	$104.8
Nashi	$10.5

Year Ending June 2017	Wholesale Value ($m)
Passionfruit	$22.3
Papaya/Pawpaw	$37.1
Persimmons	$14.1
Pears	$128.5
Pineapples	$47.7
Summerfruit - Combined	$406.5
Apricots	$37.6
Nectarines/Peaches	$303.0
Plums	$65.9
Table Grapes	$312.8
Processing Fruit Combined*	
Dried Grapes*	
Prunes*	
Other Dried Tree Fruit*	
Canned Fruit*	
Olives*	
Other Fruit	*$52.2*
All Vegetables	**$4,572.0**
Artichokes	$1.0
Asparagus	$75.9
Beans	$86.9
Beetroot	$10.3
Broccoli/Baby Broccoli	$252.7

Sources: ABS; AC; CFVIWA; GTA; IRB; MP & DD (Freshlogic Analysis)

Note: The processed fruit lines marked with an asterisk (*) do not contribute to total fresh fruit wholesale value because they are sold in a processed form.

Year Ending June 2017	Wholesale Value ($m)
Brussels Sprouts	$19.4
Cabbage	$47.5
Capsicums	$204.3
Carrots	$179.8
Cauliflower	$60.0
Celery	$63.8
Chillies	$10.8
Cucumbers	$213.2
Eggplant	$17.4
Eng.Spinach/Silverbeet/Kale	$22.4
Fresh Herbs - Combined	$182.4
Fennel	$2.7
Parsley and Other Herbs	$179.7
Garlic	$74.2
Ginger	$21.5
Leafy Asian Vegetables	$79.7
Leafy Salad Vegetables	$343.2
Leeks	$23.3
Head Lettuce	$180.5
Mushrooms	$482.8
Onions	$193.2
Parsnips	$12.6
Peas	$57.9

Year Ending June 2017	Wholesale Value ($m)
Potatoes	$500.0
Pumpkins	$86.2
Sweet Corn	$70.7
Sweetpotatoes	$101.3
Tomatoes	$732.5
Zucchini	$83.3
Other Vegetables	*$59.3*
All Nuts	**$674.0**
Almonds	$216.6
Chestnuts	$13.9
Hazelnuts	$43.7
Macadamias	$28.0
Pecans	$16.2
Pistachios	$51.1
Walnuts	$70.0
Other Nuts	$234.6
Other Horticulture	**$3,046.1**
Cut Flowers	$370.9
*Nursery**	*$2,404.5*
Turf	$270.6

Note: The nursery wholesale value is from 2015/16 and has been reported for indication only. This value has been provided outside of THRUchain methodology and is based directly on project output from **NY16004. See pages 468 to 473.*

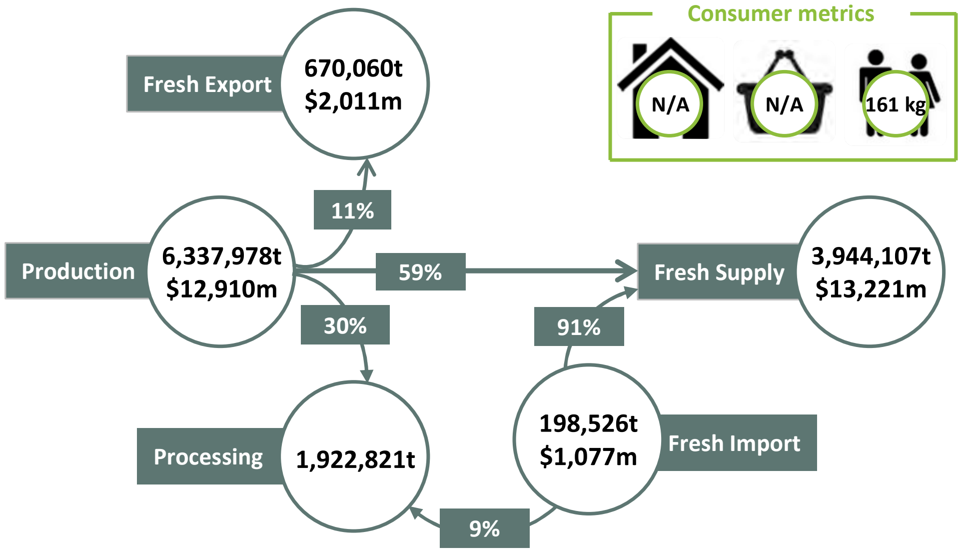
All Fresh Horticulture Overview

Pages 48-51 profile total horticultural production and trade. It combines information on fruit, vegetables, nuts and other horticultural categories (cut flowers, nursery and turf).

For the year ending June 2017:

- **6.34 million tonnes** of horticultural products *(not including cut flowers, nursery and turf products)* was produced in Australia.
- The value of production for all categories was **$12.9 billion** while the wholesale value of the fresh supply was **$13.2 billion**.
- The supply per capita was **161.1 kg**, based on the volume supplied.

All Fresh Horticulture Supply Chain—Year Ending June 2017



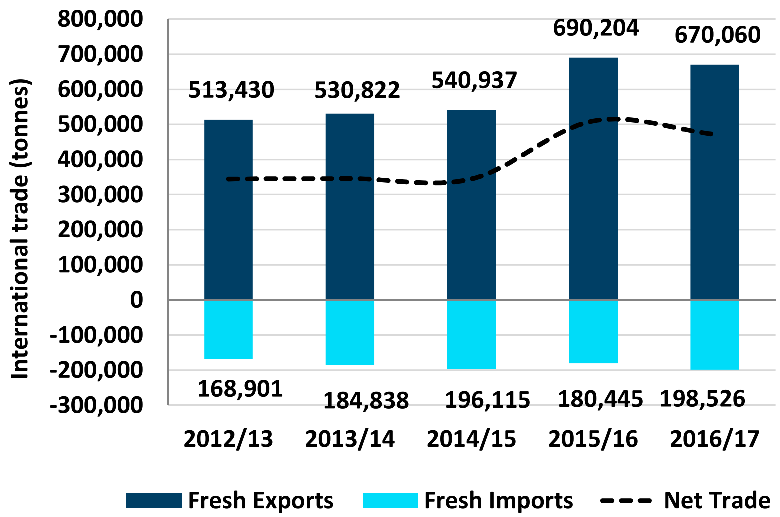
Sources: ABS; AC; CFVIWA; GTA; IRB; MP & DD (Freshlogic Analysis)

Year Ending June	2015	2016		2017	
	Value	Value	% YoY	Value	% YoY
Production (t)	6,137,500	6,382,295	+4%	6,337,978	>-1%
Production ($m)	$11,852.3	$12,325.1	+4%	$12,910.0	+5%
Production area (Ha)	-	-	-	-	-
Fresh Export Volume (t)	540,937	690,204	+28%	670,060	-3%
Fresh Export Value ($m)	$ 1,554.7	$ 2,116.4	+36%	$ 2,010.5	-5%
Fresh Import Volume (t)	196,115	180,445	-8%	198,526	+10%
Fresh Import Value ($m)	$ 968.9	$ 1,013.3	+5%	$ 1,077.3	+6%
Fresh Supply (t)	3,808,763	3,896,234	+2%	3,944,107	+1%
Fresh Supply Wholesale Value ($m)	$12,447.2	$12,366.9	>-1%	$13,221.4	+7%
Supply per Capita (kg)	160.15	161.60	<1%	160.91	>-1%

Sources: ABS; AC; CFVIWA; GTA; IRB; MP & DD (Freshlogic Analysis)

All Fresh Horticulture International Trade

Australia is a net exporter of fresh horticultural products. For the year ending June 2017 Australia exported **670,060 tonnes** of fresh horticultural products (not including nursery, turf and flower categories), as profiled in the graph below, where imports are counted as negative tonnes.

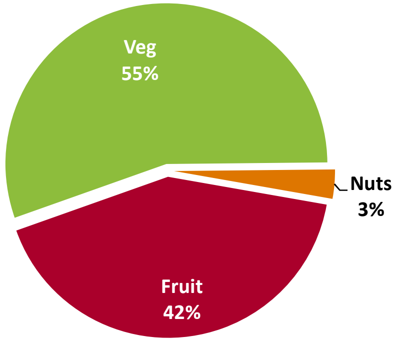


Source: GTA

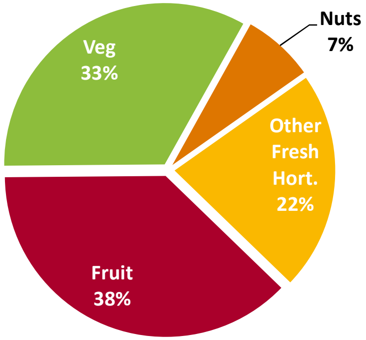
Production

The charts below profile the share of total Australian production of all horticultural categories during the year ending June 2017. For the below charts, only the **value** of the ***Other Fresh Horticulture*** grouping has been recorded, due to inconsistencies in the units used to measure volumes for this group.

Production - 6,337,978 t



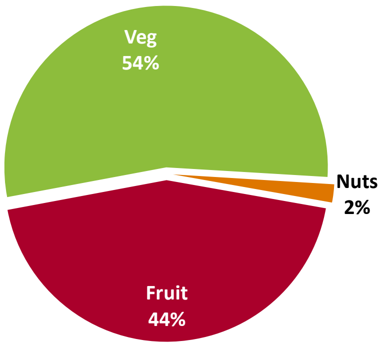
Value of Production - $12,910.0 m



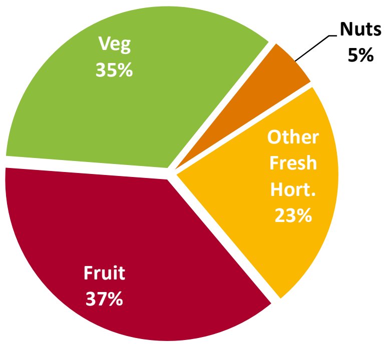
Fresh supply

The charts below profile the share of the total fresh supply of all horticultural categories during the year ending June 2017.

Fresh Supply Volume - 3,944,107 t



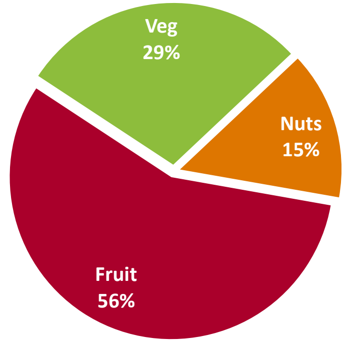
Wholesale Value - $13,221.4 m



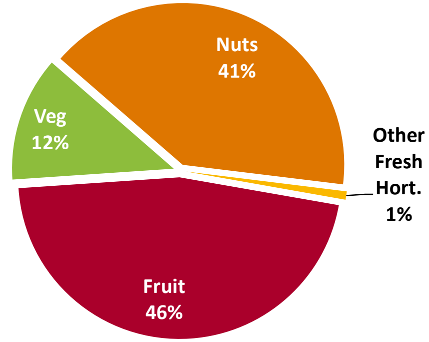
Fresh exports

The charts below profile the share of total Australian fresh exports of all horticultural categories during the year ending June 2017.

Fresh Export Volume - 670,060 t



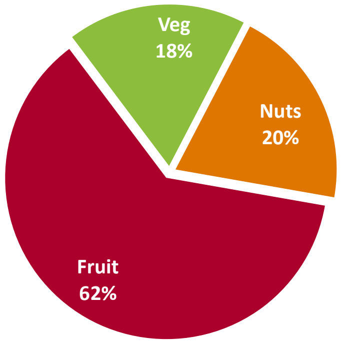
Fresh Export Value - $2,010.5 m



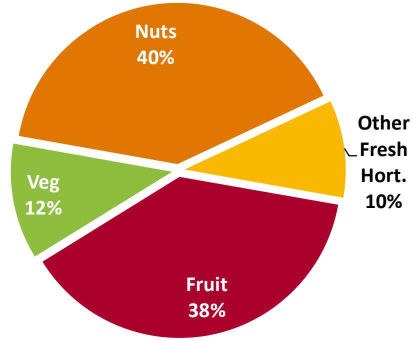
Fresh imports

The charts below profile the share of total Australian fresh imports of all horticultural categories during the year ending June 2017.

Fresh Import Volume - 198,526 t



Fresh Import Value - $1,077.3 m



Overview

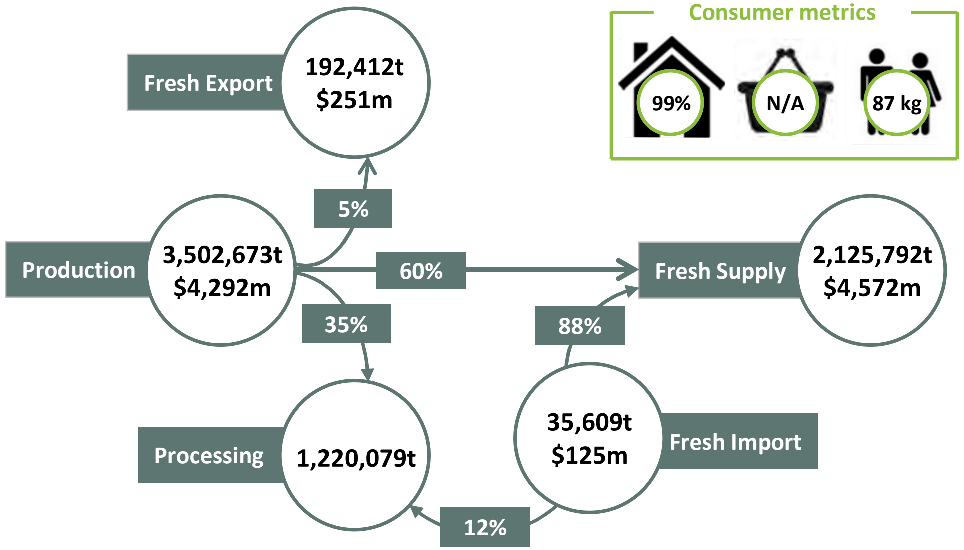
Pages 232-233 profile total vegetable production and trade. It combines information on all vegetable categories covered in this handbook.

For the year ending June 2017:

- **3.5 million tonnes** was produced.
- The value of production was **$4.29 billion** while the wholesale value of the fresh supply was **$4.57 billion**.
- **99%** of Australian households purchased vegetables.
- The supply per capita was **86.7 kg**, based on the volume supplied.

**'Other Vegetables' are included in the calculation of the category overview totals but have not been profiled separately.*

All Fresh Vegetables Supply Chain—Year Ending June 2017



Sources: ABS; AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

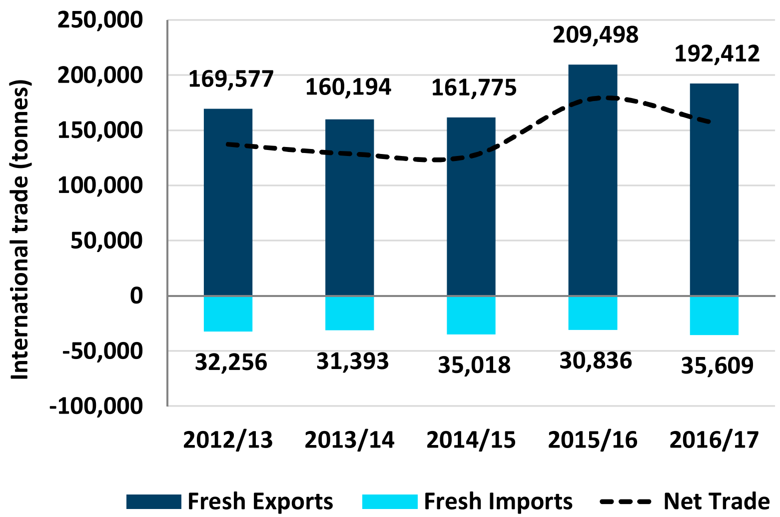
Year Ending June	2015	2016		2017	
	Value	Value	% YoY	Value	% YoY
Production (t)	3,514,125	3,584,516	+2%	3,502,673	-2%
Production ($m)	$ 3,786.5	$ 3,801.2	<1%	$ 4,291.6	+13%
Production area (Ha)	*114,366*	*118,500*	+4%	-	-
Fresh Export Volume (t)	161,775	209,498	+29%	192,412	-8%
Fresh Export Value ($m)	$ 177.9	$ 232.1	+30%	$ 250.6	+8%
Fresh Import Volume (t)	35,018	30,836	-12%	35,609	+15%
Fresh Import Value ($m)	$ 92.4	$ 105.8	+15%	$ 125.2	+18%
Fresh Supply (t)	2,087,717	2,117,427	+1%	2,125,792	<1%
Fresh Supply Wholesale Value ($m)	$ 4,026.9	$ 3,995.4	>-1%	$ 4,572.0	+14%
Supply per Capita (kg)	87.78	87.82	<1%	86.73	-1%

Sources: ABS; AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

All Fresh Vegetables International Trade

Australia is a net exporter of fresh vegetables. For the year ending June 2017 Australia exported **192,412 tonnes** of fresh vegetables, as profiled in the graph below, where exports are counted as negative tonnes.

Net All Fresh Vegetables International Trade



Source: GTA

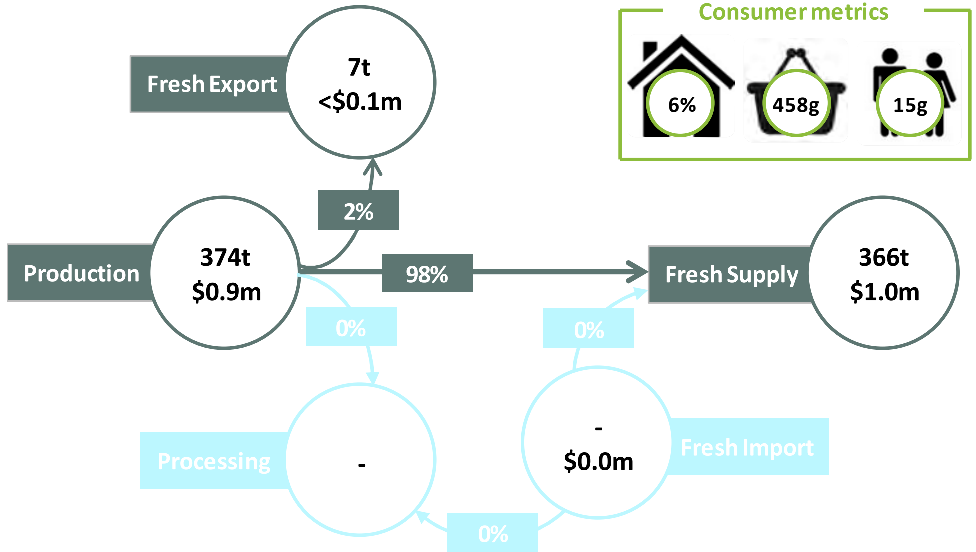
Fresh Artichoke Overview

In this report, 'artichokes' refers only to globe artichokes. It does not cover Jerusalem Artichokes. Artichoke production occurs predominantly in Victoria, with other states producing smaller quantities. The majority of artichokes grown in Australia are destined for the fresh market, with a small export market.

For the year ending June 2017:

- **374 tonnes** was produced.
- The value of production was **$0.9 m** while the wholesale value of the fresh supply was **$1.0 m.**
- **6%** of Australian households purchased artichokes, buying an average of **458 g** of artichokes per shopping trip.
- The supply per capita was **15 g**, based on the volume supplied.

Fresh Artichoke Supply Chain—Year Ending June 2017



Sources: AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Year Ending June	2015	2016		2017	
	Value	Value	% YoY	Value	% YoY
Production (t)	351	386	+10%	374	-3%
Production ($m)	$ 0.8	$ 1.0	+18%	$ 0.9	-5%
Production area (Ha)	-	-	-	-	-
Fresh Export Volume (t)	5	7	+58%	7	-
Fresh Export Value ($m)	< $0.1	< $0.1	+54%	< $0.1	+5%
Fresh Import Volume (t)	-	1	-	-	-100%
Fresh Import Value ($m)	$ -	< $0.1	-	$ -	-100%
Fresh Supply (t)	346	380	+10%	367	-3%
Fresh Supply Wholesale Value ($m)	$ 0.9	$ 1.1	+17%	$ 1.0	-5%
Supply per Capita (kg)	0.01	0.02	+8%	0.01	-5%

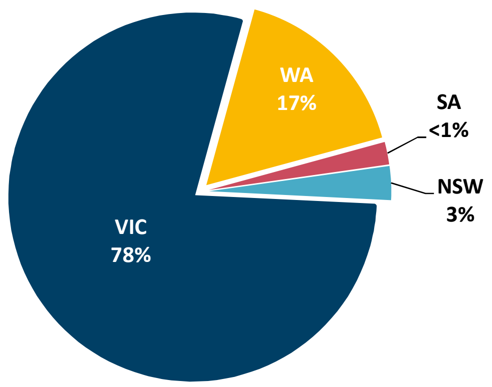
Sources: AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Major Artichoke Production Areas

Artichokes are produced in the southern states of Australia, predominantly in the Victorian region of **Werribee**. The **Perth region** of Western Australia is also a significant producing area.

Source: AUSVEG

2016/17 Fresh Artichokes Production by State



Source: AUSVEG

Fresh Artichokes Seasonality by State

State	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
New South Wales	11	Medium	Medium	Low	None	None	None	None	None	None	Low	Medium	Medium
Victoria	293	High	Medium	Medium	Low	Low	None	None	Low	Low	Low	Medium	High
Western Australia	62	Low	Low	None	None	None	None	None	None	None	Low	Low	Low
South Australia	7	Low	Low	Low	None	None	None	None	None	None	None	Low	Low

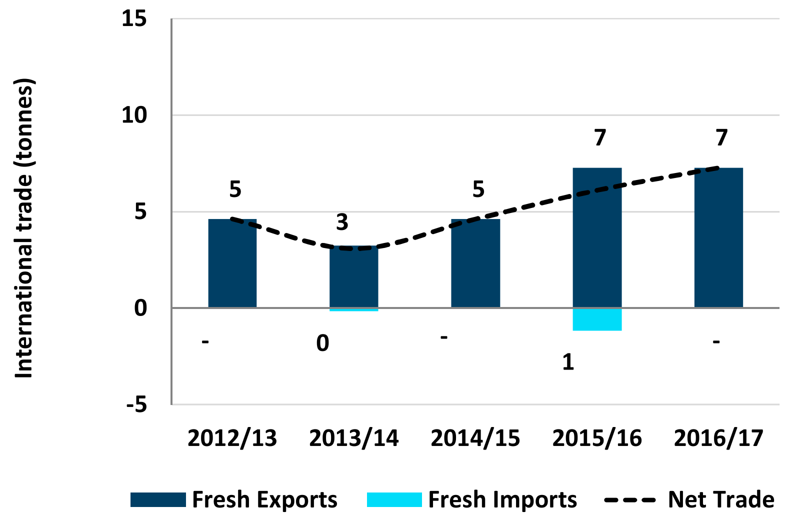
Availability legend: High | Medium | Low | None

Source: AUSVEG

Fresh Artichokes International Trade

There is minimal trade of artichokes, with Australia only occasionally importing small volumes, and typically exporting between 1-7 tonnes every year. For the year ending June 2017, Australia exported **7 tonnes**. The exports and imports over the last 5 financial years is profiled in the graph to the right, where imports are counted as negative tonnes.

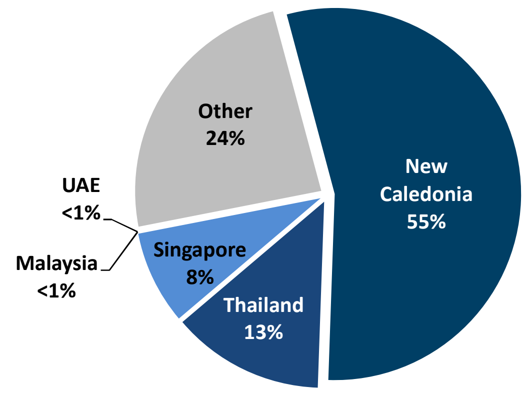
Net Fresh Artichokes International Trade



Source: GTA

For the year ending June 2017, **55%** of exported fresh artichokes were sent to New Caledonia, as profiled in the chart below.

2016/17 Fresh Artichokes Exports by Country



Source: GTA

Fresh Artichokes Imports and Exports by State

Imports by state destination (Tonnes)			
Year Ending June	2015	2016	2017
New South Wales	-	1	-
TOTAL	**-**	**1**	**-**

Exports by state of production origin (Tonnes)			
Year Ending June	2015	2016	2017
Victoria	3	5	5
New South Wales	1	1	1
Queensland	< 0.5	1	1
South Australia	-	-	< 0.5
Other	***< 0.5***	***- 0***	***< 0.5***
TOTAL	**5**	**7**	**7**

Fresh Artichokes Imports and Exports by Country

Imports by country (Tonnes)			
Year Ending June	2015	2016	2017
Egypt	-	1	-
TOTAL	**-**	**1**	**-**

Exports by country (Tonnes)			
Year Ending June	2015	2016	2017
New Caledonia	3	4	4
Thailand	< 0.5	1	1
Singapore	< 0.5	< 0.5	1
UAE	< 0.5	< 0.5	< 0.5
Malaysia	-	< 0.5	< 0.5
Other	***2***	***3***	***2***
TOTAL	**5**	**7**	**7**

Source: GTA

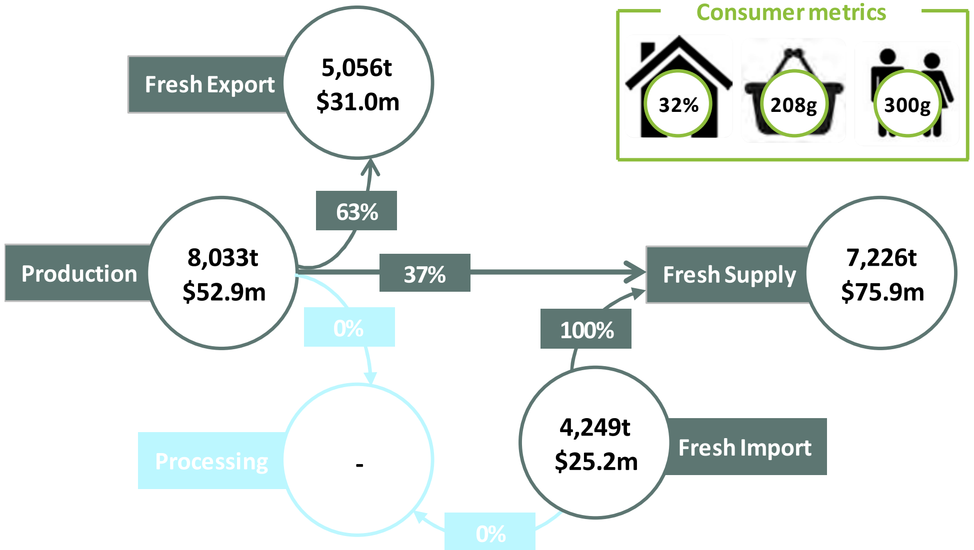
Fresh Asparagus Overview

Asparagus production occurs predominantly in Victoria. There are typically two asparagus harvests: a spring cut, mainly destined for the export market, and a summer cut, primarily destined for the domestic market. There is minimal processing of local production, due to the low cost of imported product.

For the year ending June 2017:

- **8,033 t** was produced.
- The value of production was **$52.9 m** while the wholesale value of the fresh supply was **$75.9 m.**
- **32%** of Australian households purchased asparagus, buying an average of **208 g** of asparagus per shopping trip.
- The supply per capita was **300 g**, based on the volume supplied.

Fresh Asparagus Supply Chain—Year Ending June 2017



Sources: AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Year Ending June	2015	2016		2017	
	Value	Value	% YoY	Value	% YoY
Production (t)	6,345	7,576	+19%	8,033	+6%
Production ($m)	$ 40.4	$ 53.5	+32%	$ 52.9	-1%
Production area (Ha)	-	-	-	-	-
Fresh Export Volume (t)	3,379	4,086	+21%	5,056	+24%
Fresh Export Value ($m)	$ 19.8	$ 25.1	+27%	$ 31.0	+24%
Fresh Import Volume (t)	4,366	3,679	-16%	4,249	+15%
Fresh Import Value ($m)	$ 24.3	$ 21.6	-11%	$ 25.2	+16%
Fresh Supply (t)	7,333	7,169	-2%	7,226	<1%
Fresh Supply Wholesale Value ($m)	$ 68.5	$ 77.8	+14%	$ 75.9	-2%
Supply per Capita (kg)	0.31	0.30	-4%	0.30	<1%

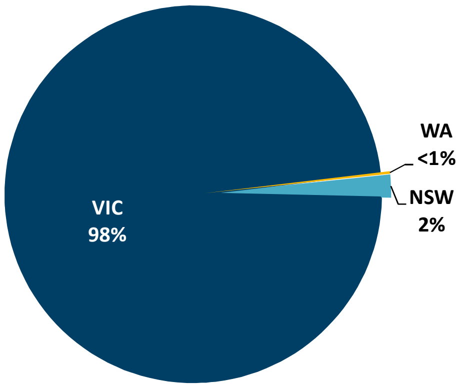
Sources: AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Major Asparagus Production Areas

Asparagus is primarily grown in Victoria, particularly in the **Koo Wee Rup** region near Melbourne. **Mildura** is another major growing region. Other states produce smaller quantities. Koo Wee Rup is well suited to growing asparagus due to the peaty loam soil.

Source: AUSVEG

2016/17 Fresh Asparagus Production by State



Source: AUSVEG

Fresh Asparagus Seasonality by State

State	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
New South Wales	162	Low	Low	Medium	High	Medium	Low	Low	Low				
Victoria	7,852		Low	High	High	High	Medium	Medium	Medium	Medium	Low		
Western Australia	19			Low	Medium	Medium	Low						
Availability legend			High		Medium		Low		None				

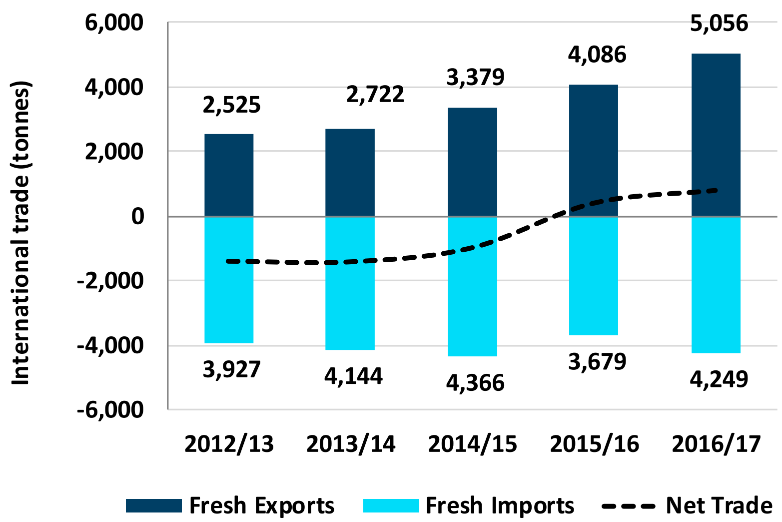
Source: AUSVEG

Fresh Asparagus International Trade

Australia is a net exporter of fresh asparagus, typically importing between 3,000-4,000 tonnes per year. For the year ending June 2017, Australia imported **4,249 tonnes**, and exported **5,056 tonnes**. The exports and imports over the last 5 financial years is profiled in the graph to the right, where imports are counted as negative tonnes.

Asparagus

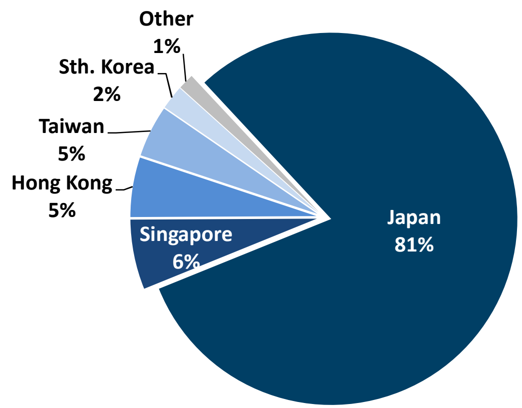
Net Fresh Asparagus International Trade



Source: GTA

For the year ending June 2017, **81%** of exported fresh asparagus was sent to Japan, as profiled in the chart below.

2016/17 Fresh Asparagus Export by Country



Source: GTA

Fresh Asparagus Imports and Exports by State

Imports by state destination (Tonnes)			
Year Ending June	2015	2016	2017
New South Wales	2,345	1,788	2,287
Victoria	1,165	1,008	1,068
Queensland	389	478	454
Western Australia	466	405	440
Other	-	***< 0.5***	***< 0.5***
TOTAL	**4,366**	**3,679**	**4,249**

Exports by state of production origin (Tonnes)			
Year Ending June	2015	2016	2017
Victoria	3,355	4,072	5,043
New South Wales	20	5	7
Queensland	3	8	5
Tasmania	-	< 0.5	1
Western Australia	< 0.5	< 0.5	< 0.5
Other	***< 0.5***	***< 0.5***	***< 0.5***
TOTAL	**3,379**	**4,086**	**5,056**

Fresh Asparagus Imports and Exports by Country

Imports by country (Tonnes)			
Year Ending June	2015	2016	2017
Mexico	2,393	2,360	3,098
Peru	1,805	1,130	1,033
US	85	116	75
Thailand	40	28	22
Spain	-	-	10
Other	***43***	***46***	***11***
TOTAL	**4,366**	**3,679**	**4,249**

Exports by country (Tonnes)			
Year Ending June	2015	2016	2017
Japan	2,684	3,222	4,086
Singapore	336	346	307
Hong Kong	139	165	262
Taiwan	136	180	227
Sth. Korea	39	87	105
Other	***45***	***85***	***70***
TOTAL	**3,379**	**4,086**	**5,056**

Source: GTA

Processed Asparagus International Trade

For the year ending June 2017, an additional **1,615 tonnes** of preserved asparagus were imported, while **1 tonne** was exported. These volumes have not been included in the fresh imports and exports profiled on page 243.

Preserved Imports

1,615t
$6.2m

<1t
$3,733

Preserved Exports

Source: GTA

Asparagus

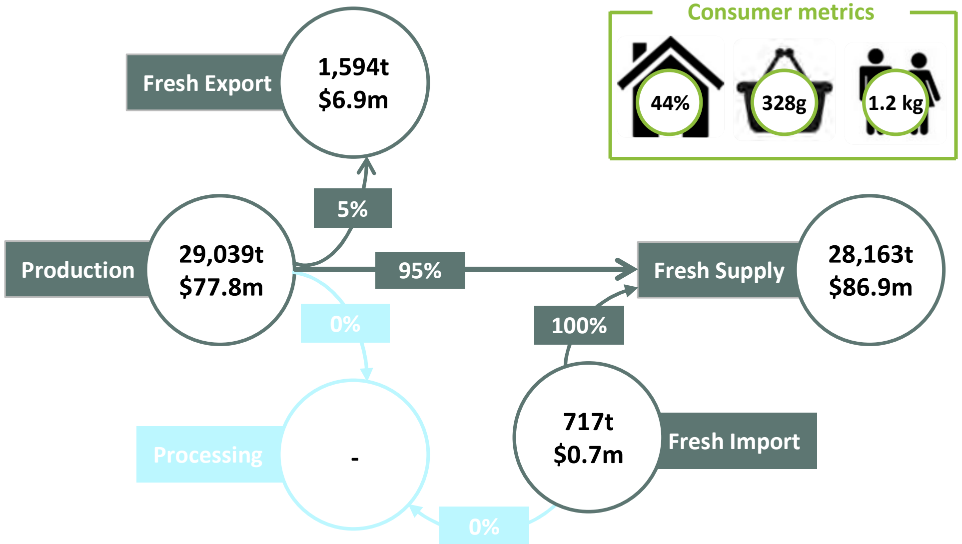
Fresh Beans Overview

‘Beans’ refers to green beans, French beans and runner beans. This report does not cover Navy beans and other varieties that are commonly sold tinned. Green bean production occurs predominantly in Queensland. There is minimal processing of local production, due to the low cost of imported product.

For the year ending June 2017:

- **29,039 t** was produced.
- The value of production was **$77.8 m** while the wholesale value of the fresh supply was **$86.9 m.**
- **44%** of Australian households purchased green beans, buying an average of **328 g** of beans per trip.
- The supply per capita was **1.15 kg**, based on the volume supplied.

Fresh Beans Supply Chain—Year Ending June 2017



Sources: ABS; AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

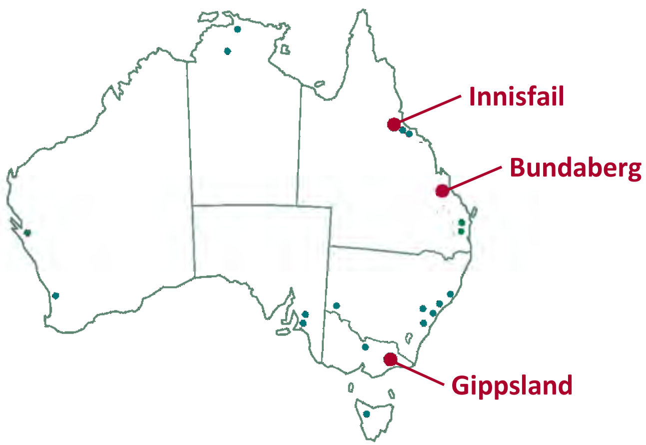
Beans

Year Ending June	2015	2016		2017	
	Value	Value	% YoY	Value	% YoY
Production (t)	29,931	28,935	-3%	29,039	<1%
Production ($m)	$ 74.2	$ 69.1	-7%	$ 77.8	+13%
Production area (Ha)	*6,210*	*6,795*	+9%	-	-
Fresh Export Volume (t)	1,616	1,787	+11%	1,594	-11%
Fresh Export Value ($m)	$ 5.4	$ 5.8	+7%	$ 6.9	+18%
Fresh Import Volume (t)	1,097	487	-56%	717	+47%
Fresh Import Value ($m)	$ 1.7	$ 0.8	-50%	$ 0.7	-21%
Fresh Supply (t)	28,679	27,635	-4%	28,163	+2%
Fresh Supply Wholesale Value ($m)	$ 84.9	$ 76.8	-9%	$ 86.9	+13%
Supply per Capita (kg)	1.21	1.15	-5%	1.15	<1%

Sources: ABS; AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

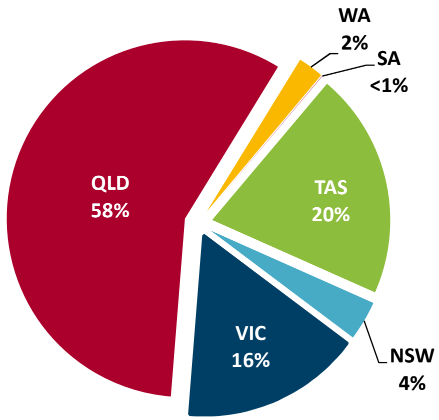
Major Beans Production Areas

Beans are grown predominantly along the East Coast of Australia, with the majority of production occurring in Queensland. The major growing regions are **Innisfail** and **Bundaberg** in Queensland. **Gippsland** in Victoria is another major growing region.



Source: AUSVEG

2016/17 Fresh Beans Production by State



Source: ABS

Fresh Beans Seasonality by State

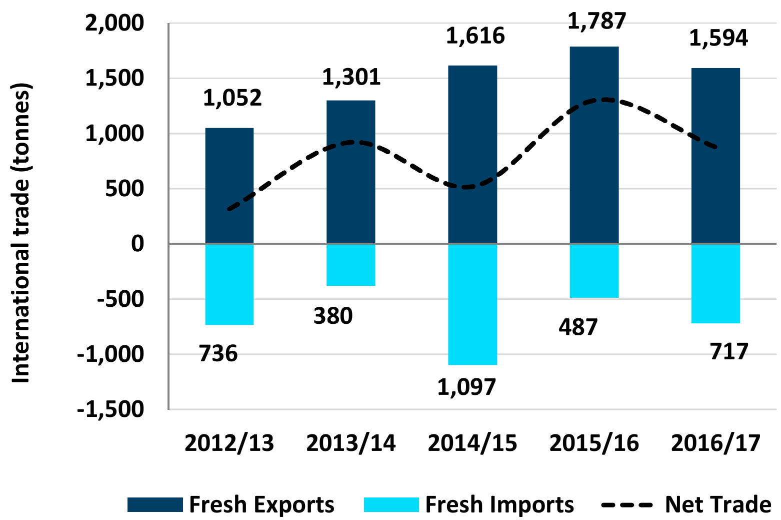
State	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
New South Wales	1,042	Medium	Medium	Medium	Low	Low	Low	Low	Low	Low	Low	Medium	High
Victoria	4,646	Medium	Medium	Medium	Medium	Low	Low	Low	Low	Medium	Medium	Medium	High
Queensland	16,706	High	High	Medium	Medium	Medium	Low	Low	Medium	Medium	High	High	High
Western Australia	684	Medium	Medium	Medium	Low	Low	Low	Low	Low	Low	Medium	Medium	Medium
South Australia	7	Medium	Medium	Low	Low	Low	Low	Low	Low	Low	Low	Medium	Medium
Tasmania	5,955	Medium	Medium	Low	Low	Low	Low	Low	Low	Low	Medium	Medium	Medium
Availability legend			High		Medium			Low				None	

Source: AUSVEG

Fresh Beans International Trade

Australia is a net exporter of fresh beans, typically exporting between 1,000-1,500 tonnes per year. For the year ending June 2017, Australia exported **1,594 tonnes**. The exports and imports over the last 5 financial years is profiled in the graph to the right, where imports are counted as negative tonnes.

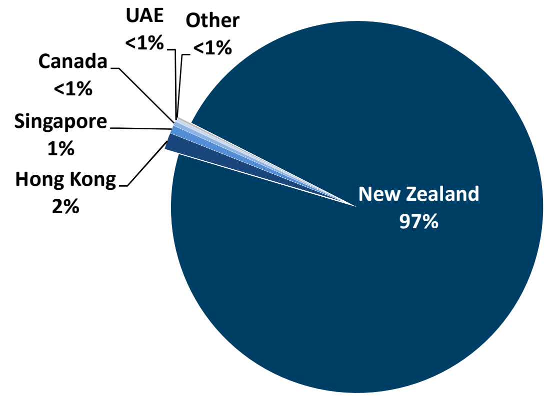
Net Fresh Beans International Trade



Source: GTA

For the year ending June 2017, **97%** of exported fresh beans were sent to New Zealand, as profiled in the chart below.

2016/17 Fresh Beans Exports by Country



Source: GTA

Fresh Beans Imports and Exports by State

Imports by state destination (Tonnes)				Exports by state of production origin (Tonnes)			
Year Ending June	2015	2016	2017	Year Ending June	2015	2016	2017
Victoria	665	309	673	Queensland	1,582	1,756	1,573
Western Australia	256	138	26	Victoria	1	2	7
Queensland	21	-	18	New South Wales	4	19	3
New South Wales	155	40	-	Western Australia	6	8	1
TOTAL	**1,097**	**487**	**717**	Northern Territory	-	1	-
				Other	***23***	***3***	***9***
				TOTAL	**1,616**	**1,787**	**1,594**

Fresh Beans Imports and Exports by Country

Imports by country (Tonnes)				Exports by country (Tonnes)			
Year Ending June	2015	2016	2017	Year Ending June	2015	2016	2017
US	137	167	360	New Zealand	1,581	1,767	1,547
Canada	330	218	277	Hong Kong	1	3	22
Myanmar	216	48	39	Singapore	4	3	11
Italy	-	-	37	Canada	-	5	6
Belgium	-	-	2	UAE	< 0.5	1	4
Other	***414***	***54***	***2***	***Other***	***29***	***8***	***3***
TOTAL	**1,097**	**487**	**717**	**TOTAL**	**1,616**	**1,787**	**1,594**

Source: GTA

Processed Beans International Trade

For the year ending June 2017, an additional **7,191 tonnes** of frozen beans were imported, while **14 tonnes** were exported.

Frozen Imports
7,191t
$9.9m

14t
$60,500
Frozen Exports

Source: GTA

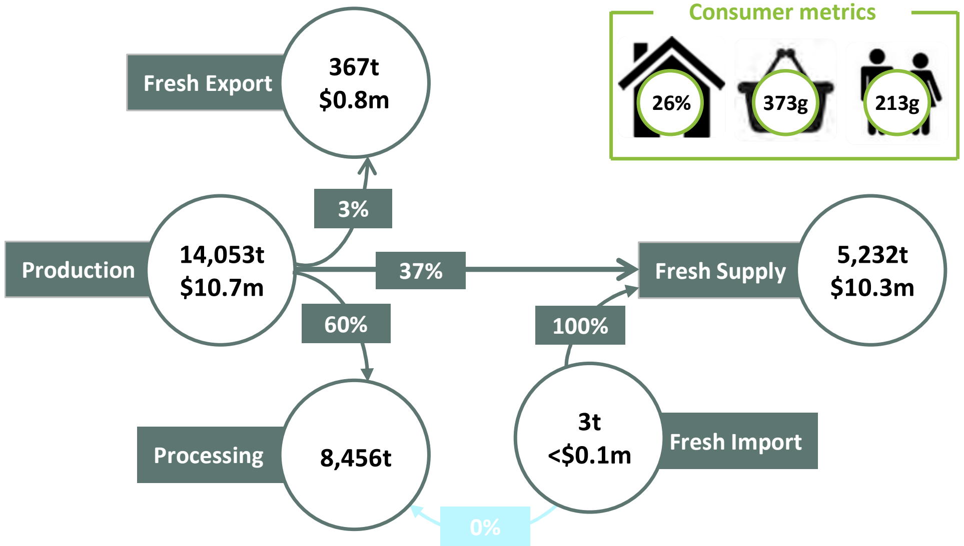
Fresh Beetroot Overview

Beetroot production occurs predominantly in Queensland. Volumes grown for processing have decreased in recent years, however the majority of processed volume is tinned.

For the year ending June 2017:

- **14,053 t** was produced with **60%** sent to processing.
- The value of production was **$10.7 m** while the wholesale value of the fresh supply was **$10.3 m.**
- **26%** of Australian households purchased fresh beetroot, buying an average of **373 g** of beetroot per shopping trip.
- The supply per capita was **213 g**, based on the volume supplied.

Fresh Beetroot Supply Chain—Year Ending June 2017



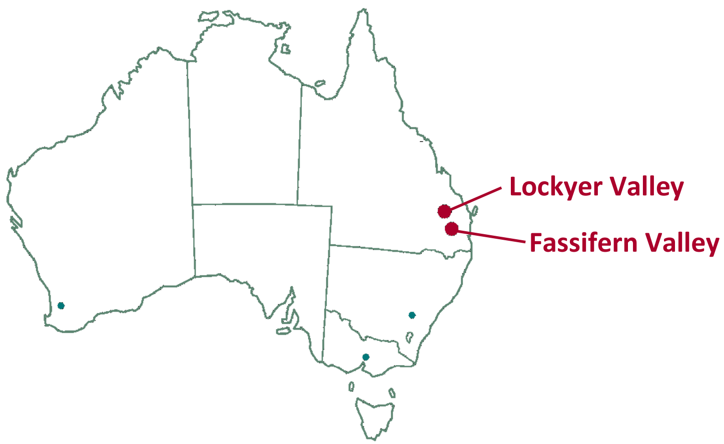
Sources: AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Year Ending June	2015	2016		2017	
	Value	Value	% YoY	Value	% YoY
Production (t)	13,398	13,716	+2%	14,053	+2%
Production ($m)	$ 10.6	$ 10.9	+2%	$ 10.7	-1%
Production area (Ha)	-	-	-	-	-
Fresh Export Volume (t)	171	236	+38%	367	+56%
Fresh Export Value ($m)	$ 0.6	$ 0.7	+14%	$ 0.8	+19%
Fresh Import Volume (t)	35	10	-72%	3	-68%
Fresh Import Value ($m)	$ 0.1	< $0.1	-41%	< $0.1	-73%
Fresh Supply (t)	5,125	5,260	+3%	5,232	>-1%
Fresh Supply Wholesale Value ($m)	$ 10.5	$ 10.6	+1%	$ 10.3	-3%
Supply per Capita (kg)	0.22	0.22	+1%	0.21	-2%

Sources: AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

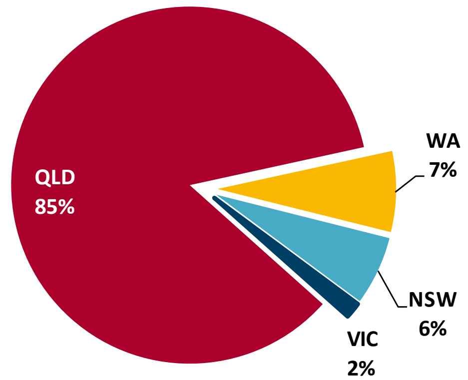
Major Beetroot Production Areas

The majority of beetroot production occurs in Queensland. The major growing regions are the **Lockyer Valley** and **Fassifern Valley** in Queensland.



Source: AUSVEG

2016/17 Fresh Beetroot Production by State



Source: AUSVEG

Fresh Beetroot Seasonality by State

State	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
New South Wales	880	High	Medium	Medium	Medium	Low	Low	Low	Low	Low	Low	Medium	High
Victoria	203	Medium	Low	Low	Low	Low	Low	Low	Low	Low	Medium	Medium	High
Queensland	11,943	High	High	Medium	Low	Low	Low	Medium	Medium	Medium	Medium	Medium	High
Western Australia	1,027	Medium	Medium	Low	None	None	None	None	None	None	Low	Medium	Medium

Availability legend		High		Medium		Low		None

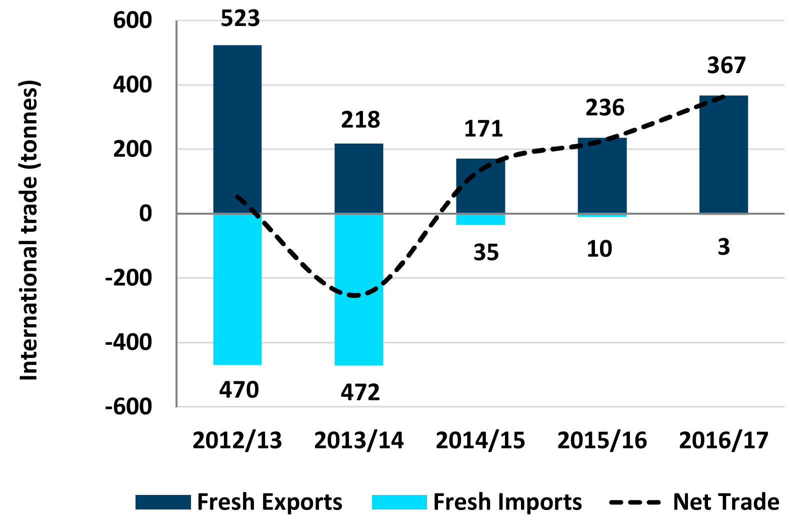
Source: AUSVEG

Fresh Beetroot International Trade

Note: Trade data combines fresh beetroot, celeriacs and radishes.

For the year ending June 2017, Australia exported **367 tonnes**. The exports and imports over the last 5 financial years is profiled in the graph to the right, where imports are counted as negative tonnes.

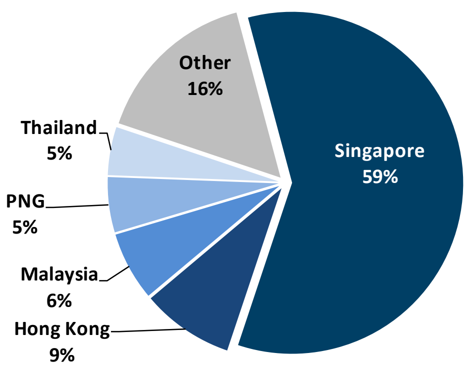
Net Fresh Beetroot/Celeriacs/Radishes International Trade



Source: GTA

For the year ending June 2017, **59%** of exported fresh beetroot was sent to Singapore, as profiled in the chart below.

2016/17 Fresh Beetroot/Celeriacs/Radishes Export by Country



Source: GTA

Beetroot

Fresh Beetroot/Celeriacs/Radishes Imports and Exports by State

Imports by state destination (Tonnes)			
Year Ending June	2015	2016	2017
Western Australia	4	-	3
New South Wales	24	7	2
Victoria	7	3	1
TOTAL	**35**	**10**	**5**

Exports by state of production origin (Tonnes)			
Year Ending June	2015	2016	2017
Queensland	54	80	98
Western Australia	1	3	86
Victoria	44	99	83
South Australia	16	11	59
New South Wales	48	12	41
Other	***8***	***31***	***< 0.5***
TOTAL	**171**	**236**	**367**

Fresh Beetroot/Celeriacs/Radishes Imports and Exports by Country

Imports by country (Tonnes)			
Year Ending June	2015	2016	2017
Belgium	-	-	3
India	-	3	1
Austria	< 0.5	-	1
Vietnam	-	-	1
US	-	-	< 0.5
Other	***35***	***7***	***< 0.5***
TOTAL	**35**	**10**	**5**

Exports by country (Tonnes)			
Year Ending June	2015	2016	2017
Singapore	36	61	218
Hong Kong	21	22	32
Malaysia	21	21	24
PNG	8	7	19
Thailand	4	11	17
Other	***81***	***114***	***58***
TOTAL	**171**	**236**	**367**

Source: GTA

Processed Beetroot International Trade

Australia imports a significant amount of preserved beetroot, particularly from New Zealand. However, information on exact volumes is not currently available.

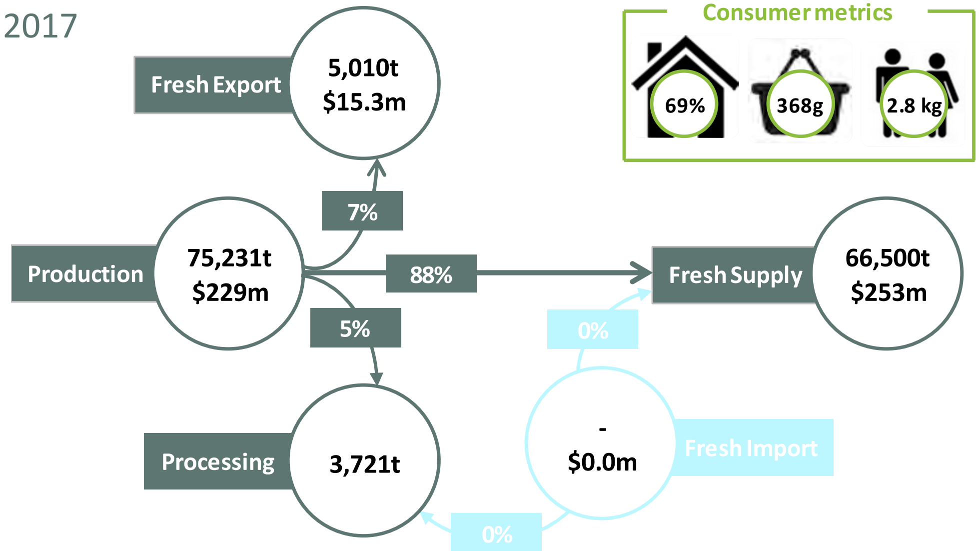
Fresh Broccoli/Baby Broccoli Overview

This section combines **broccoli** and **baby broccoli**. Baby broccoli refers to two distinct crops: baby broccoli is one of a number of varieties of modified broccoli; and Broccolini™, a cross between broccoli and the leafy Asian Vegetable 'Gai Lan' (Chinese Broccoli).

For the year ending June 2017:

- **75,231 t** was produced with **5%** sent to processing.
- The value of production was **$228.6 m** while the wholesale value of the fresh supply was **$252.7 m.**
- **69%** of Australian households purchased broccoli, buying an average of **368 g** of broccoli per shopping trip.
- The supply per capita was **2.8 kg**, based on the volume supplied.

Fresh Broccoli/Baby Broccoli Supply Chain—Year Ending June 2017



Sources: ABS; AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

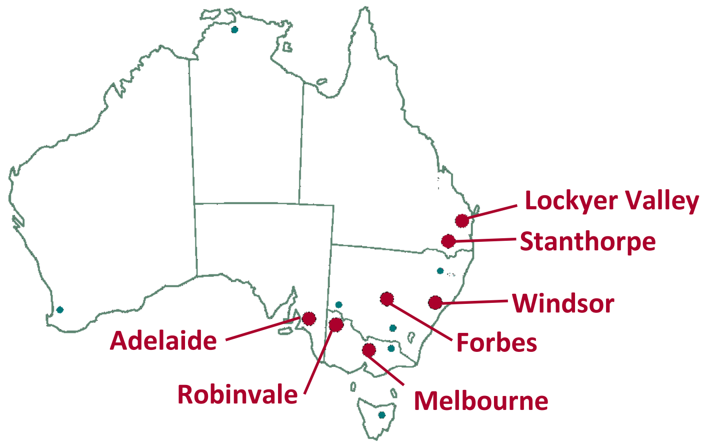
Broccoli/Baby Broccoli

Year Ending June	2015	2016		2017	
	Value	Value	% YoY	Value	% YoY
Production (t)	68,793	73,026	+6%	75,231	+3%
Production ($m)	$ 190.7	$ 210.0	+10%	$ 228.6	+9%
Production area (Ha)	-	*6,724*	-	-	-
Fresh Export Volume (t)	3,668	5,373	+46%	5,010	-7%
Fresh Export Value ($m)	$ 10.2	$ 14.5	+42%	$ 15.3	+5%
Fresh Import Volume (t)	-	-	-	-	-
Fresh Import Value ($m)	$ -	$ -	-	$ -	-
Fresh Supply (t)	61,060	64,025	+5%	66,500	+4%
Fresh Supply Wholesale Value ($m)	$ 213.2	$ 231.7	+9%	$ 252.7	+9%
Supply per Capita (kg)	2.57	2.66	+3%	2.76	+4%

Sources: ABS; AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Major Broccoli/Baby Broccoli Production Areas

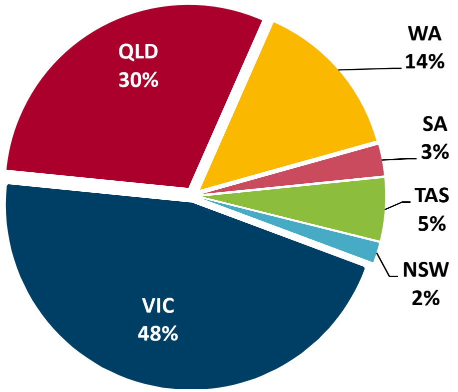
Broccoli is grown in most states of Australia, with the largest producing state being Victoria. The major growing regions include: the **Lockyer Valley** and **Stanthorpe** in Queensland; **Windsor** and **Forbes** in New South Wales; **Robinvale** and the **Melbourne region** in Victoria, and the **Adelaide region** in South Australia.



Sources: AUSVEG

Broccoli/Baby Broccoli

2016/17 Fresh Broccoli Production by State



Source: ABS

Fresh Broccoli Seasonality by State

State	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
New South Wales	1,342												
Victoria	34,552												
Queensland	22,573												
Western Australia	10,575												
South Australia	2,047												
Tasmania	4,142												
Availability legend			High		Medium		Low		None				

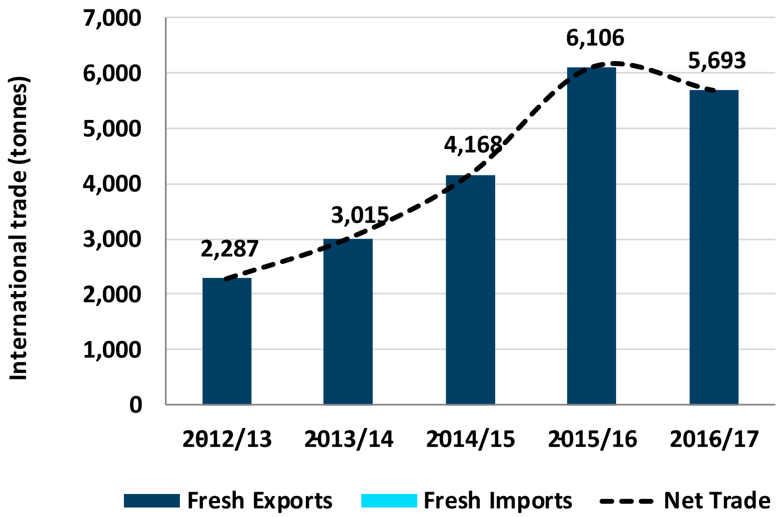
Source: AUSVEG

Fresh Broccoli and Cauliflower International Trade

Note: Trade data combines fresh broccoli and cauliflower.

Australia is a net exporter of broccoli and cauliflower. For the year ending June 2017, Australia exported **5,693 tonnes**. The exports and imports over the last 5 financial years is profiled in the graph to the right, where imports are counted as negative tonnes.

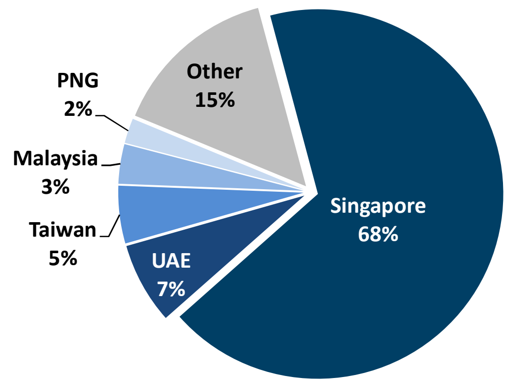
Net Fresh Broccoli and Cauliflower International Trade



Source: GTA

For the year ending June 2017, **68%** of exported fresh broccoli/cauliflower was sent to Singapore, as profiled in the chart below.

2016/17 Fresh Broccoli and Cauliflower Export by Country



Source: GTA

Broccoli/Baby Broccoli

Fresh Broccoli and Cauliflower Exports by State

Exports by state of production origin (Tonnes)			
Year Ending June	2015	2016	2017
Queensland	1,840	2,983	3,199
Victoria	1,350	2,062	1,712
Western Australia	217	541	382
New South Wales	640	362	321
Tasmania	10	9	51
Other	***112***	***149***	***28***
TOTAL	**4,168**	**6,106**	**5,693**

Fresh Broccoli and Cauliflower Exports by Country

Exports by country (Tonnes)			
Year Ending June	2015	2016	2017
Singapore	2,882	4,128	4,206
Taiwan	37	308	219
Malaysia	139	210	211
UAE	284	436	206
PNG	135	133	153
Other	***692***	***891***	***699***
TOTAL	**4,168**	**6,106**	**5,693**

Source: GTA

Processed Broccoli/Baby Broccoli International Trade

Australia imports some volume of frozen broccoli. However, information on exact volumes is not available due to the way trade data is recorded.

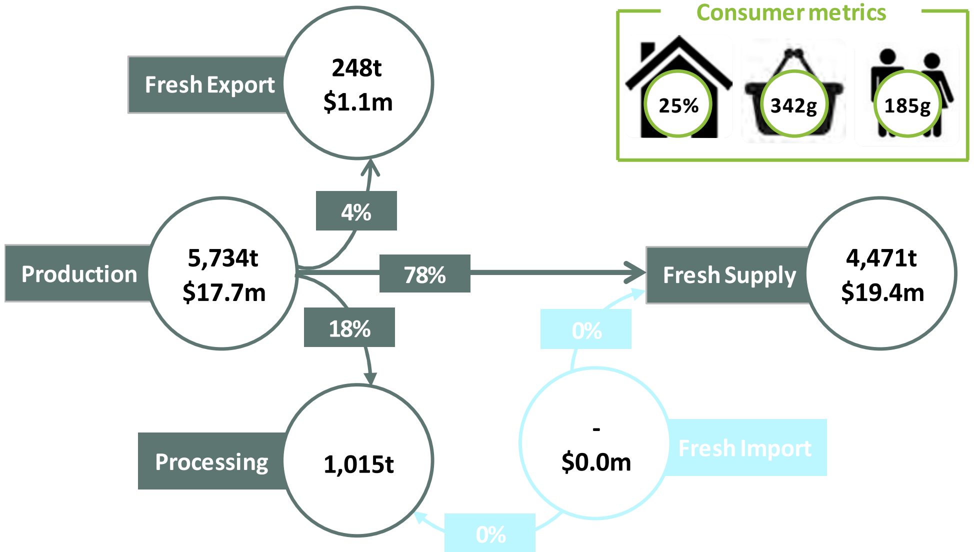
Brussels Sprouts Overview

Brussels sprouts production occurs in the southern states of Australia, with the majority of production occurring in South Australia.

For the year ending June 2017:

- **5,734 t** was produced with **18%** sent to processing.
- The value of production was **$17.7 m** while the wholesale value of the fresh supply was **$19.4 m.**
- **25%** of Australian households purchased Brussels sprouts, buying an average of **342 g** of Brussels sprouts per shopping trip.
- The supply per capita was **185 g**, based on the volume supplied.

Fresh Brussels Sprouts Supply Chain—Year Ending June 2017



Sources: ABS; AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Brussels Sprouts

Year Ending June	2015	2016		2017	
	Value	Value	% YoY	Value	% YoY
Production (t)	5,491	5,626	+2%	5,734	+2%
Production ($m)	$ 16.3	$ 16.3	<1%	$ 17.7	+9%
Production area (Ha)	-	*290*	-	-	-
Fresh Export Volume (t)	268	308	+15%	248	-19%
Fresh Export Value ($m)	$ 1.2	$ 1.3	+5%	$ 1.1	-16%
Fresh Import Volume (t)	-	-	-	-	-
Fresh Import Value ($m)	$ -	$ -	-	$ -	-
Fresh Supply (t)	4,233	4,303	+2%	4,471	+4%
Fresh Supply Wholesale Value ($m)	$ 17.5	$ 17.5	>-1%	$ 19.4	+11%
Supply per Capita (kg)	0.18	0.18	<1%	0.19	+6%

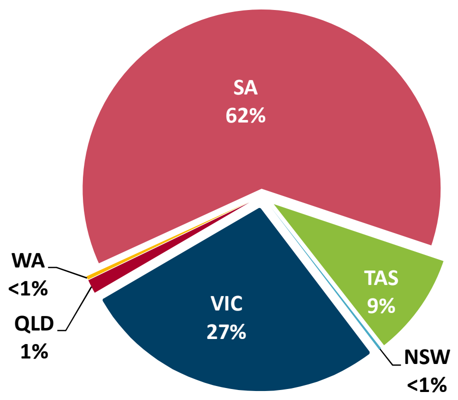
Sources: ABS; AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Major Brussels Sprouts Production Areas

Brussels sprouts are grown in the southern states of Australia, with the largest producing state being South Australia. The major growing regions include the **Adelaide Hills** in South Australia, **Coldstream** in Victoria, and **Forth** in Tasmania**.**

Source: AUSVEG

2016/17 Fresh Brussels Sprouts Production by State



Source: ABS

Fresh Brussels Sprouts Seasonality by State

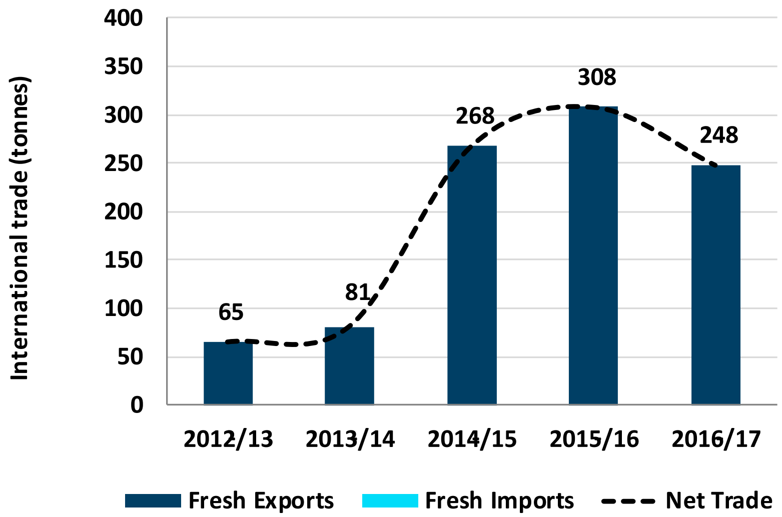
State	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
New South Wales	12												
Victoria	1,549												
Queensland	73												
Western Australia	3												
South Australia	3,562												
Tasmania	535												
Availability legend			High		Medium		Low		None				

Source: AUSVEG

Fresh Brussels Sprouts International Trade

Australia is a net exporter of Brussels Sprouts. For the year ending June 2017, Australia exported **248 tonnes**. The exports and imports over the last 5 financial years is profiled in the graph to the right, where imports are counted as negative tonnes.

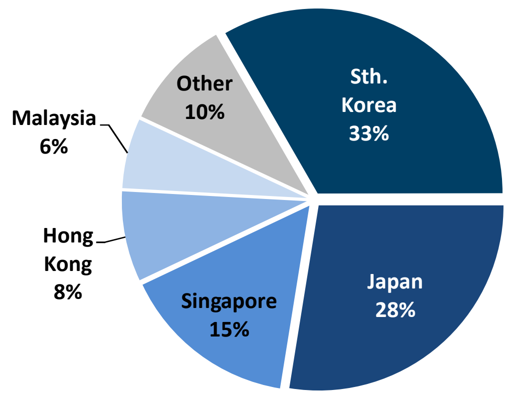
Net Fresh Brussels Sprouts International Trade



Source: GTA

For the year ending June 2017, **33%** of exported fresh Brussels Sprouts was sent to South Korea, as profiled in the chart below.

2016/17 Fresh Brussels Sprouts Exports by Country



Source: GTA

Brussels Sprouts

Fresh Brussels Sprouts Exports by State

Exports by state of production origin (Tonnes)			
Year Ending June	2015	2016	2017
Victoria	125	147	165
South Australia	72	96	62
Queensland	12	20	9
New South Wales	10	14	7
Tasmania	49	30	3
Other	***1***	***1***	***2***
TOTAL	**268**	**308**	**248**

Fresh Brussels Sprouts Exports by Country

Exports by country (Tonnes)			
Year Ending June	2015	2016	2017
Sth. Korea	139	113	83
Japan	49	62	68
Singapore	33	59	38
Hong Kong	13	21	20
Malaysia	22	23	15
Other	***12***	***30***	***24***
TOTAL	**268**	**308**	**248**

Source: GTA

Processed Brussels Sprouts International Trade

Australia imports some volume of frozen Brussels Sprouts. However, information on exact volumes is not available due to the way trade data is recorded.

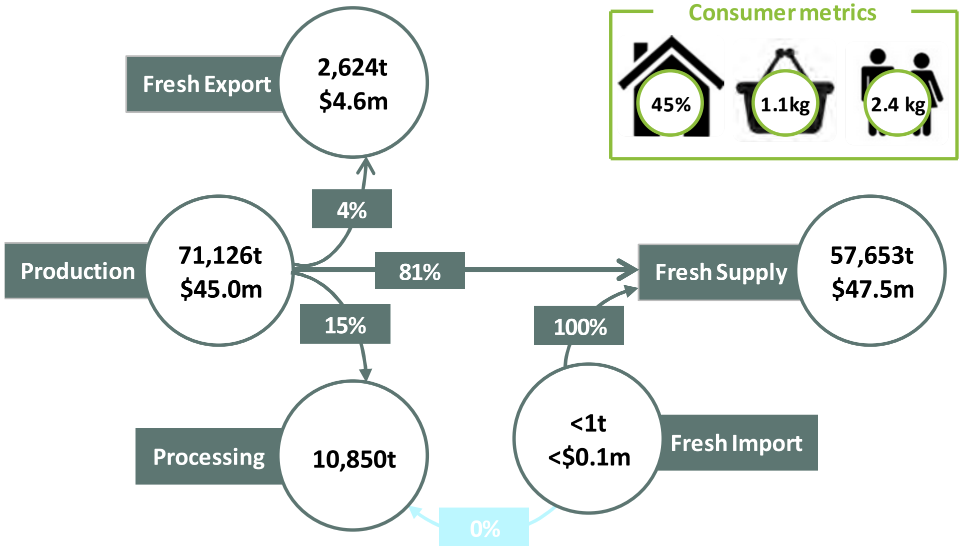
Fresh Cabbages Overview

Cabbage production occurs in most states of Australia, with production occurring during the winter months.

For the year ending June 2017:

- **71,126 t** was produced with **15%** sent to processing.
- The value of production was **$45.0 m** while the wholesale value of the fresh supply was **$47.5 m.**
- **45%** of Australian households purchased cabbages, buying an average of **1.1 kg** of cabbages per shopping trip.
- The supply per capita was **2.4 kg**, based on the volume supplied.

Fresh Cabbages Supply Chain—Year Ending June 2017



Sources: ABS; AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Cabbages

Year Ending June	2015	2016		2017	
	Value	Value	% YoY	Value	% YoY
Production (t)	67,463	69,454	+3%	71,126	+2%
Production ($m)	$ 44.1	$ 42.6	-3%	$ 45.0	+6%
Production area (Ha)	-	*2,343*	-	-	-
Fresh Export Volume (t)	1,080	2,118	+96%	2,624	+24%
Fresh Export Value ($m)	$ 1.7	$ 3.4	>100%	$ 4.6	+37%
Fresh Import Volume (t)	<1	<1	-20%	<1	+63%
Fresh Import Value ($m)	< $0.1	< $0.1	-11%	< $0.1	+7%
Fresh Supply (t)	56,093	56,742	+1%	57,653	+2%
Fresh Supply Wholesale Value ($m)	$ 49.4	$ 46.0	-7%	$ 47.5	+3%
Supply per Capita (kg)	2.36	2.35	>-1%	2.39	+2%

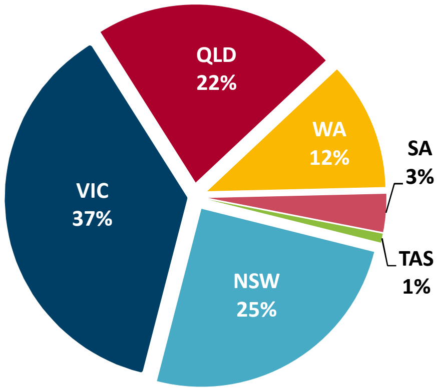
Sources: ABS; AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Major Cabbage Production Areas

Cabbages are grown across most states of Australia, with the largest producing state being Victoria. The major growing regions include the **Lockyer Valley** in Queensland; the **Sydney region** in New South Wales; and the **Melbourne region** in Victoria.

Source: AUSVEG

2016/17 Fresh Cabbages Production by State



Sources: ABS

Fresh Cabbages Seasonality by State

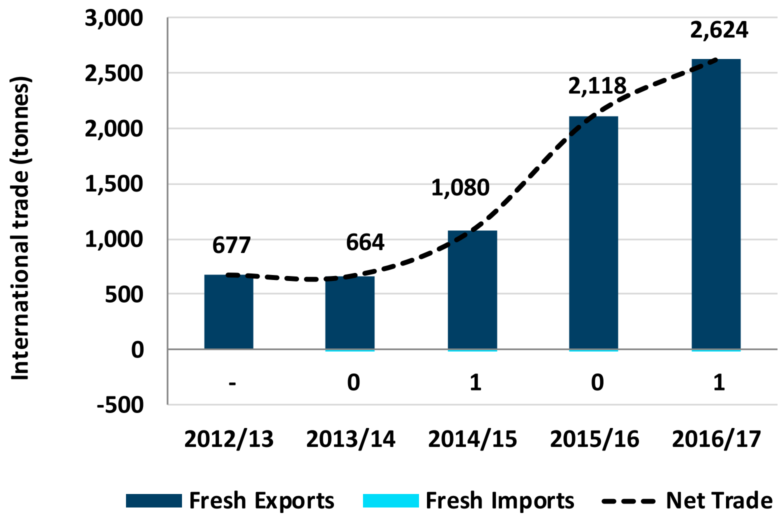
State	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
New South Wales	17,872												
Victoria	26,325												
Queensland	15,617												
Western Australia	8,291												
South Australia	2,447												
Tasmania	574												
Availability legend			High		Medium		Low		None				

Sources: AUSVEG

Fresh Cabbages International Trade

Australia is a net exporter of cabbages. For the year ending June 2017, Australia exported **2,624 tonnes**. The exports and imports over the last 5 financial years is profiled in the graph to the right, where imports are counted as negative tonnes.

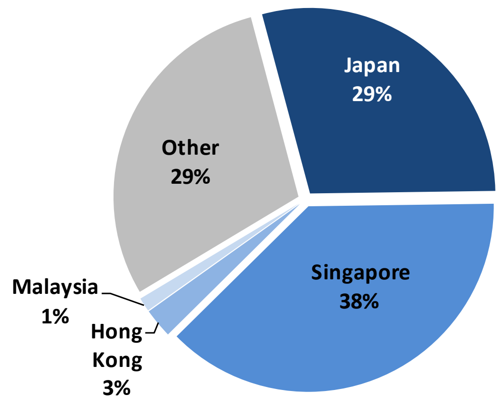
Net Fresh Cabbages International Trade



Source: GTA

For the year ending June 2017, **38%** of exported fresh cabbages were sent to Singapore, as profiled in the chart below.

2016/17 Fresh Cabbages Exports by Country



Source: GTA

Cabbages

Fresh Cabbages Imports and Exports by State

Imports by state destination (Tonnes)			
Year Ending June	2015	2016	2017
Other	*1*	*< 0.5*	*1*
TOTAL	**1**	**0**	**1**

Exports by state of production origin (Tonnes)			
Year Ending June	2015	2016	2017
Victoria	49	85	371
South Australia	1	-	5
Queensland	668	1,255	1,421
New South Wales	68	146	129
Tasmania	< 0.5	< 0.5	< 0.5
Other	*292*	*632*	*698*
TOTAL	**1,080**	**2,118**	**2,624**

Fresh Cabbages Imports and Exports by Country

Imports by country (Tonnes)			
Year Ending June	2015	2016	2017
Other	*1*	*< 0.5*	*1*
TOTAL	**1**	**0**	**1**

Exports by country (Tonnes)			
Year Ending June	2015	2016	2017
Sth. Korea	-	< 0.5	-
Japan	5	380	760
Singapore	627	1,183	992
Hong Kong	4	56	68
Malaysia	35	42	32
Other	*409*	*457*	*772*
TOTAL	**1,080**	**2,118**	**2,624**

Source: GTA

Processed Cabbages International Trade

Australia imports some volume of frozen and preserved cabbages. However, information on exact volumes is not available due to the way trade data is recorded.

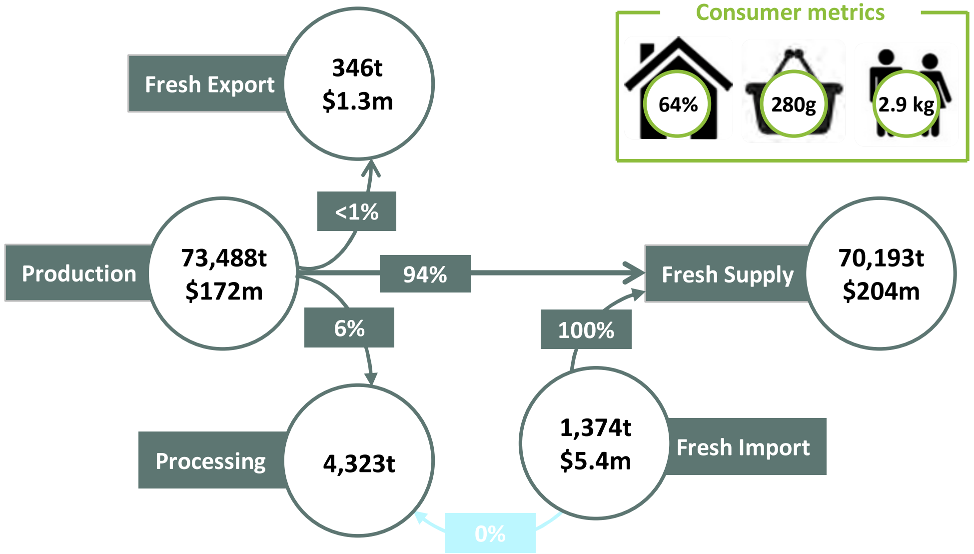
Fresh Capsicums Overview

Capsicums, or bell peppers, are grown in most states of Australia. The majority of capsicums are currently grown outdoors in Queensland. However, increasingly capsicums are being grown year-round in high-tech greenhouses in the southern states.

For the year ending June 2017:

- **73,488 t** was produced with **6%** sent to processing.
- The value of production was **$172.4 m** while the wholesale value of the fresh supply was **$204.3 m.**
- **64%** of Australian households purchased capsicums, buying an average of **280 g** of capsicums per shopping trip.
- The supply per capita was **2.86 kg**, based on the volume supplied.

Fresh Capsicums Supply Chain—Year Ending June 2017



Sources: ABS; AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Capsicums

Year Ending June	2015	2016		2017	
	Value	Value	% YoY	Value	% YoY
Production (t)	71,634	72,533	+1%	73,488	+1%
Production ($m)	$ 144.7	$ 138.9	-4%	$ 172.4	+24%
Production area (Ha)	*1,950*	-	-	-	-
Fresh Export Volume (t)	475	479	<1%	346	-28%
Fresh Export Value ($m)	$ 1.8	$ 1.6	-12%	$ 1.3	-14%
Fresh Import Volume (t)	1,922	1,492	-22%	1,374	-8%
Fresh Import Value ($m)	$ 6.1	$ 5.4	-12%	$ 5.4	>-1%
Fresh Supply (t)	69,026	69,440	<1%	70,193	+1%
Fresh Supply Wholesale Value ($m)	$ 172.3	$ 164.6	-4%	$ 204.3	+24%
Supply per Capita (kg)	2.90	2.88	>-1%	2.86	>-1%

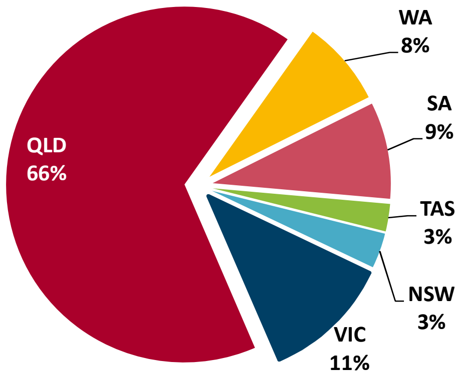
Sources: ABS; AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Major Capsicum Production Areas

Capsicums are grown across most states of Australia, with the majority of capsicums being grown in Queensland. The major outdoor growing regions include **Bowen** and **Bundaberg** in Queensland; and **Carnarvon** in Western Australia.

Sources: ABS; AUSVEG

2016/17 Fresh Capsicums Production by State



Source: ABS

Fresh Capsicums Seasonality by State

State	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
New South Wales	2,349												
Victoria	8,389												
Queensland	48,741												
Western Australia	5,719												
South Australia	6,456												
Tasmania	1,834												
Availability legend			High		Medium			Low			None		

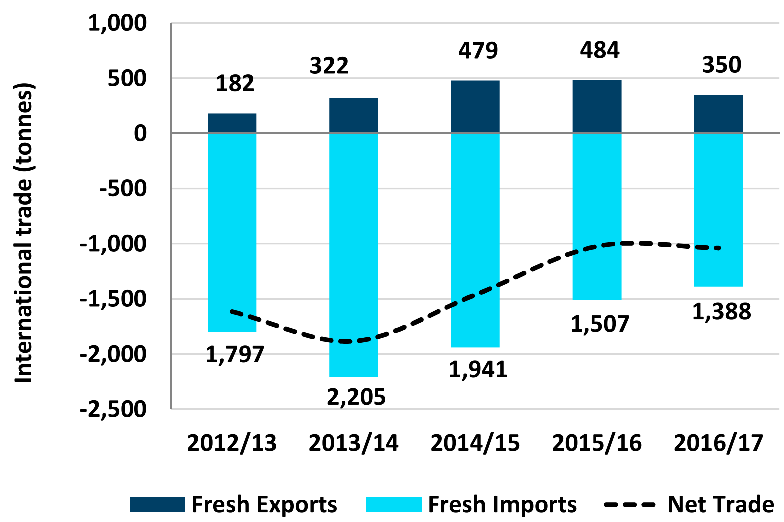
Source: AUSVEG

Fresh Capsicums and Chillies International Trade

Note: Trade data combines fresh capsicums and chillies.

Australia is a net importer of capsicums and chillies, typically importing between 1,000-2,000 tonnes every year, predominantly from New Zealand. For the year ending June 2017, Australia imported **1,388 tonnes**. The exports and imports over the last 5 financial years is profiled in the graph to the right, where imports are counted as negative tonnes.

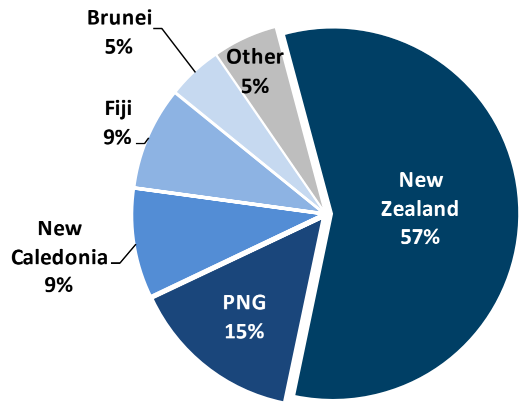
Net Fresh Capsicums and Chillies International Trade



Source: GTA

For the year ending June 2017, **57%** of exported fresh capsicums/chillies were sent to New Zealand, as profiled in the chart below.

2016/17 Fresh Capsicums and Chillies Exports by Country



Source: GTA

Capsicums

Fresh Capsicums and Chillies Imports and Exports by State

Imports by state destination (Tonnes)				Exports by state of production origin (Tonnes)			
Year Ending June	2015	2016	2017	Year Ending June	2015	2016	2017
New South Wales	631	520	612	Queensland	463	458	327
Victoria	922	642	493	Victoria	11	11	9
Western Australia	247	266	197	New South Wales	1	7	9
Queensland	142	79	83	South Australia	< 0.5	1	2
South Australia	-	-	3	Western Australia	4	3	2
Other	***< 0.5***	-	-	***Other***	***1***	***5***	***< 0.5***
TOTAL	**1,941**	**1,507**	**1,388**	**TOTAL**	**479**	**484**	**350**

Fresh Capsicums and Chillies Imports and Exports by Country

Imports by country (Tonnes)				Exports by country (Tonnes)			
Year Ending June	2015	2016	2017	Year Ending June	2015	2016	2017
New Zealand	1,785	1,371	1,308	New Zealand	349	357	201
Vietnam	24	13	41	PNG	55	29	51
India	54	4	24	New Caledonia	12	16	32
China	78	118	15	Fiji	18	29	30
Sth. Korea	-	1	-	Brunei	13	16	16
Other	***1***	***1***	-	***Other***	***33***	***37***	***19***
TOTAL	**1,941**	**1,507**	**1,388**	**TOTAL**	**479**	**484**	**350**

Source: GTA

Processed Capsicums International Trade

Australia imports some volume of dried and preserved capsicums. However, specific information on exact volumes is not available due to the way trade data is recorded.

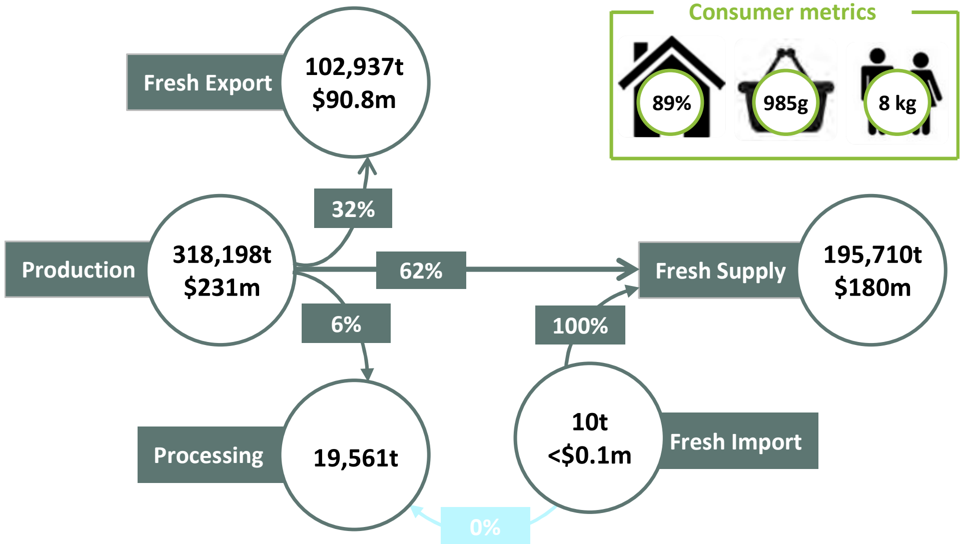
Fresh Carrots Overview

Carrot production occurs primarily in the southern states of Australia, with a large volume of carrots grown for the export market in Western Australia.

For the year ending June 2017:

- **318,198 t** was produced with **6%** sent to processing.
- The value of production was **$231.3 m** while the wholesale value of the fresh supply was **$179.8 m.**
- **89%** of Australian households purchased carrots, buying an average of **985 g** of carrots per shopping trip.
- The supply per capita was **7.98 kg**, based on the volume supplied.

Fresh Carrots Supply Chain—Year Ending June 2017



Sources: ABS; AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Carrots

Year Ending June	2015	2016		2017	
	Value	Value	% YoY	Value	% YoY
Production (t)	291,599	310,813	+7%	318,198	+2%
Production ($m)	$ 190.4	$ 204.3	+7%	$ 231.3	+13%
Production area (Ha)	*4,623*	*5,245*	+13%	-	-
Fresh Export Volume (t)	78,182	100,214	+28%	102,937	+3%
Fresh Export Value ($m)	$ 61.1	$ 80.8	+32%	$ 90.8	+12%
Fresh Import Volume (t)	12	13	+15%	10	-25%
Fresh Import Value ($m)	< $0.1	< $0.1	+48%	< $0.1	-40%
Fresh Supply (t)	191,829	191,626	>-1%	195,710	+2%
Fresh Supply Wholesale Value ($m)	$ 161.3	$ 158.3	-2%	$ 179.8	+14%
Supply per Capita (kg)	8.07	7.95	-1%	7.98	<1%

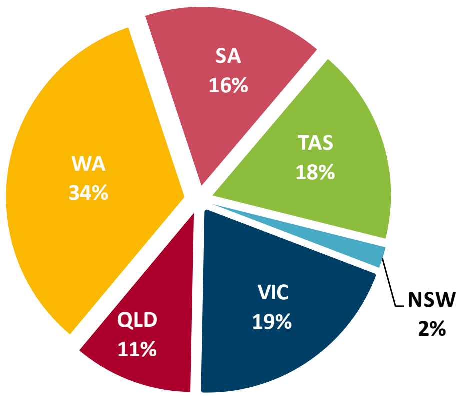
Sources: ABS; AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Major Carrot Production Areas

Major carrot production areas include **Gingin** and **Preston** in Western Australia; the **Riverland** region of South Australia; **East Gippsland** in Victoria; and **Forth** in Tasmania.

Source: AUSVEG

2016/17 Fresh Carrot Production by State



Source: AUSVEG

Fresh Carrots Seasonality by State

State	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
New South Wales	6,095	Medium	Medium	Medium	Low	Low	Low	Low	Medium	Medium	Medium	High	High
Victoria	55,709	High	Medium	Medium	Medium	Low	Low	Medium	Medium	Medium	Medium	High	High
Queensland	32,659	Medium	Medium	Medium	Low	Low	Medium	Medium	Medium	High	High	High	High
Western Australia	122,870	High	Medium	Medium	Low	Low	Low	Medium	Medium	Medium	High	High	High
South Australia	48,714	Medium	Medium	Medium	Medium	Low	Low	Low	Medium	Medium	Medium	Medium	Medium
Tasmania	52,150	High	High	High	Medium	Medium	Low	Low	Low	Medium	Medium	Medium	High

Availability legend: High, Medium, Low, None

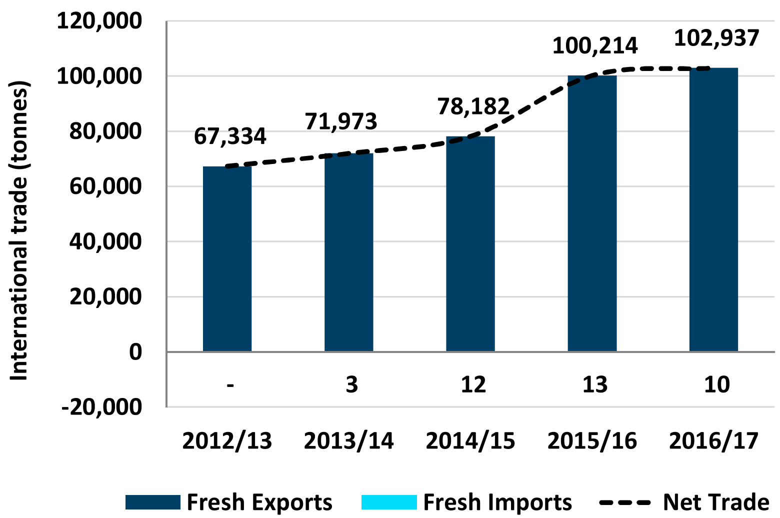
Source: AUSVEG

Fresh Carrots and Turnips International Trade

Note: Trade data combines fresh carrots and turnips.

Australia is a net exporter of carrots and turnips, typically exporting between 70,000-80,000 tonnes every year, predominantly from Western Australia. For the year ending June 2017, Australia exported **102,937 tonnes**. The exports and imports over the last 5 financial years is profiled in the graph to the right, where imports are counted as negative tonnes.

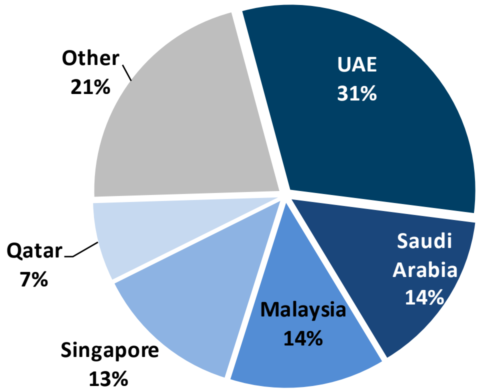
Net Fresh Carrots and Turnips International Trade



Source: GTA

For the year ending June 2017, **31%** of exported fresh carrots/turnips were sent to the United Arab Emirates (UAE), as profiled in the chart below.

2016/17 Fresh Carrots and Turnips Exports by Country



Source: GTA

Fresh Carrots and Turnips Imports and Exports by State

Imports by state destination (Tonnes)			
Year Ending June	2015	2016	2017
Victoria	11	13	10
New South Wales	-	< 0.5	-
Queensland	1	-	-
Other	**-**	***< 0.5***	**-**
TOTAL	**12**	**13**	**10**

Exports by state of production origin (Tonnes)			
Year Ending June	2015	2016	2017
Western Australia	70,590	85,322	88,326
Tasmania	4,018	6,794	6,989
Victoria	1,921	3,985	4,211
Queensland	1,009	1,507	2,618
South Australia	427	2,173	594
Other	***216***	***433***	***199***
TOTAL	**78,182**	**100,214**	**102,937**

Fresh Carrots and Turnips Imports and Exports by Country

Imports by country (Tonnes)			
Year Ending June	2015	2016	2017
China	10	12	10
Thailand	< 0.5	1	-
Other	***1***	**-**	**-**
TOTAL	**12**	**13**	**10**

Exports by country (Tonnes)			
Year Ending June	2015	2016	2017
UAE	27,713	33,034	32,096
Saudi Arabia	8,937	11,133	14,743
Malaysia	9,607	14,724	13,924
Singapore	12,984	14,733	13,180
Qatar	5,500	7,302	7,031
Other	***13,441***	***19,287***	***21,963***
TOTAL	**78,182**	**100,214**	**102,937**

Source: GTA

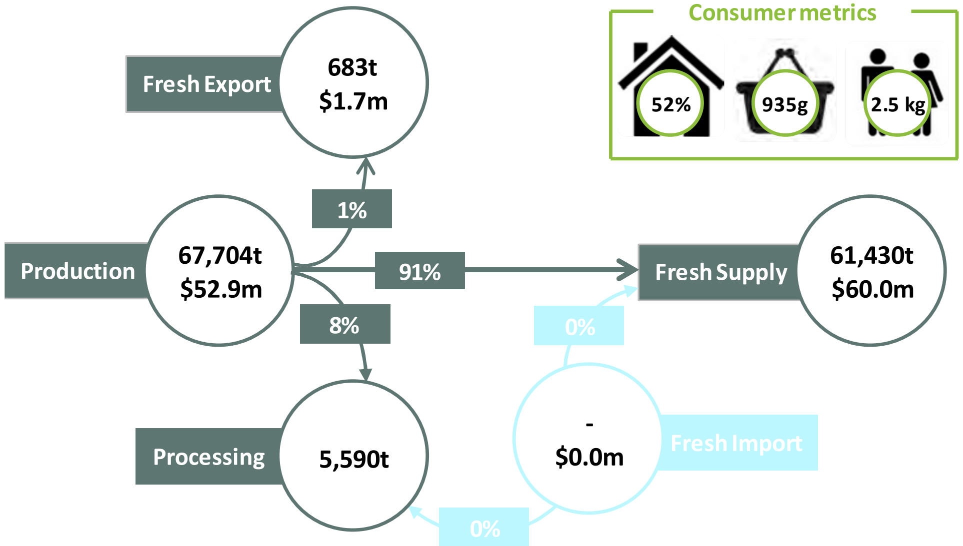
Fresh Cauliflowers Overview

Cauliflower production occurs across most states in Australia, with production occurring during the winter months.

For the year ending June 2017:

- **67,704 t** was produced with **8%** sent to processing.
- The value of production was **$52.9 m** while the wholesale value of the fresh supply was **$60.0 m**
- **52%** of Australian households purchased cauliflowers, buying an average of **935 g** of cauliflowers per shopping trip.
- The supply per capita was **2.5 kg**, based on the volume supplied.

Fresh Cauliflowers Supply Chain—Year Ending June 2017



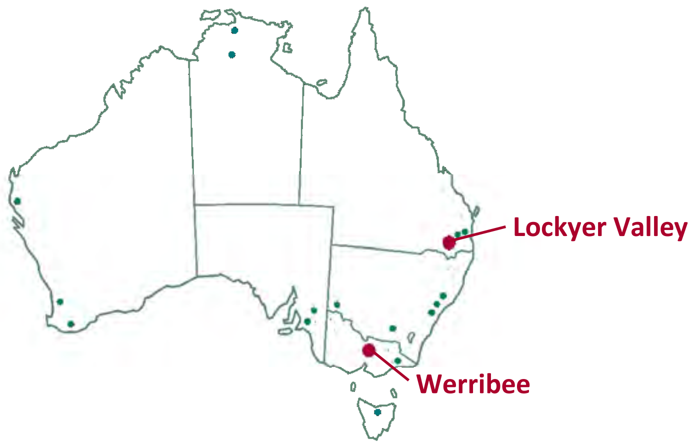
Sources: ABS; AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Year Ending June	2015	2016		2017	
	Value	Value	% YoY	Value	% YoY
Production (t)	63,552	65,930	+4%	67,704	+3%
Production ($m)	$ 49.1	$ 41.8	-15%	$ 52.9	+26%
Production area (Ha)	-	*2,937*	-	-	-
Fresh Export Volume (t)	500	733	+46%	683	-7%
Fresh Export Value ($m)	$ 1.1	$ 1.6	+42%	$ 1.7	+5%
Fresh Import Volume (t)	-	-	-	-	-
Fresh Import Value ($m)	$ -	$ -	-	$ -	-
Fresh Supply (t)	57,808	59,754	+3%	61,430	+3%
Fresh Supply Wholesale Value ($m)	$ 56.2	$ 47.2	-16%	$ 60.0	+27%
Supply per Capita (kg)	2.43	2.48	+2%	2.55	+3%

Sources: ABS; AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

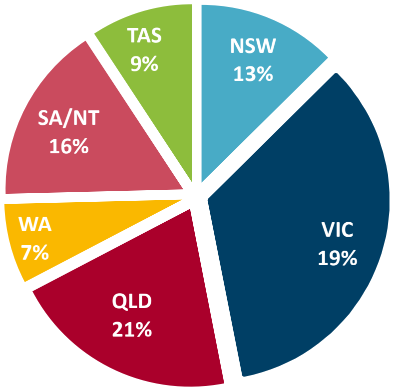
Major Cauliflower Production Areas

Cauliflower is grown in most states of Australia, with the largest producing states being Victoria and Queensland. The major growing regions include the **Lockyer Valley** in Queensland and **Werribee** in Victoria.



Source: AUSVEG

2016/17 Fresh Cauliflowers Production by State



Source: AUSVEG

Fresh Cauliflowers Seasonality by State

State	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
New South Wales	8,522	High	High	Medium	Medium	Low	Low	Low	Low	Low	Low	Medium	High
Victoria	23,231	High	High	Medium	Medium	Low	Low	Low	Low	Low	Low	Medium	High
Queensland	13,827	Medium	High	High	Medium	Medium	Low	Low	Low	Low	Low	Low	Low
Western Australia	4,929	Medium	High	High	High	Medium	Medium	Low	Low	Low	Low	Low	Low
SA/NT	10,913	Medium	Medium	High	Medium	Medium	Low	Low	Low	Low	Low	Low	Medium
Tasmania	6,282	Medium	Medium	High	Medium	Medium	Low	Low	Low	Low	Low	Low	Medium

Availability legend		High		Medium		Low		None

Source: AUSVEG

Fresh Cauliflowers International Trade

Note: Trade data combines fresh broccoli and cauliflower. For this combined analysis see pages 260-262.

Processed Cauliflowers International Trade

Australia imports some volume of frozen cauliflowers. However, specific information on exact volumes is not available due to the way trade data is recorded.

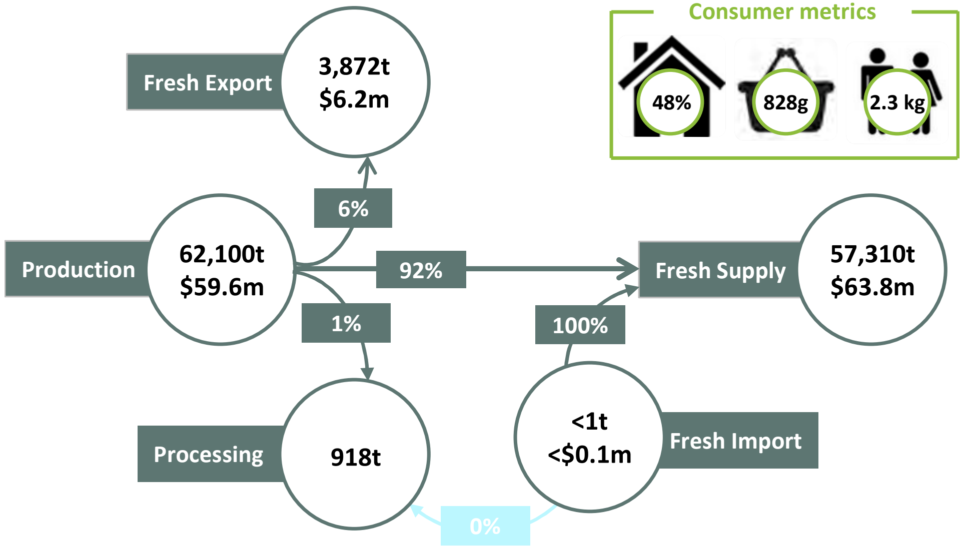
Fresh Celery Overview

Celery is grown in most states of Australia, with the majority of production occurring in Victoria. Most of the celery grown in Australia is destined for the fresh local market, with a small but growing fresh export market.

For the year ending June 2017:

- **62,100 t** was produced with **1%** sent to processing.
- The value of production was **$59.6 m** while the wholesale value of the fresh supply was **$63.8 m.**
- **48%** of Australian households purchased celery, buying an average of **828 g** of celery per shopping trip.
- The supply per capita was **2.34 kg**, based on the volume supplied.

Fresh Celery Supply Chain—Year Ending June 2017



Sources: AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Year Ending June	2015	2016		2017	
	Value	Value	% YoY	Value	% YoY
Production (t)	59,484	60,873	+2%	62,100	+2%
Production ($m)	$ 50.2	$ 50.1	>-1%	$ 59.6	+19%
Production area (Ha)	-	-	-	-	-
Fresh Export Volume (t)	2,023	3,557	+76%	3,872	+9%
Fresh Export Value ($m)	$ 2.6	$ 5.2	+100%	$ 6.2	+19%
Fresh Import Volume (t)	-	-	-	<1	-
Fresh Import Value ($m)	$ -	$ -	-	< $0.1	-
Fresh Supply (t)	56,582	56,417	>-1%	57,310	+2%
Fresh Supply Wholesale Value ($m)	$ 56.3	$ 53.6	-5%	$ 63.8	+19%
Supply per Capita (kg)	2.38	2.34	-2%	2.34	>-1%

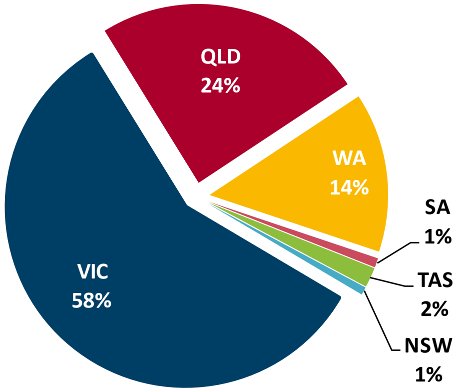
Sources: AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Major Celery Production Areas

Celery is grown across most states of Australia, with the majority of celery being grown in Victoria. The major outdoor growing regions include the **Dandenong region** in Victoria; as well as the **Perth region** of Western Australia; and **Stanthorpe** and the **Darling Downs** in the Granite Belt region of southern Queensland.

Source: AUSVEG

2016/17 Fresh Celery Production by State



Source: AUSVEG

Fresh Celery Seasonality by State

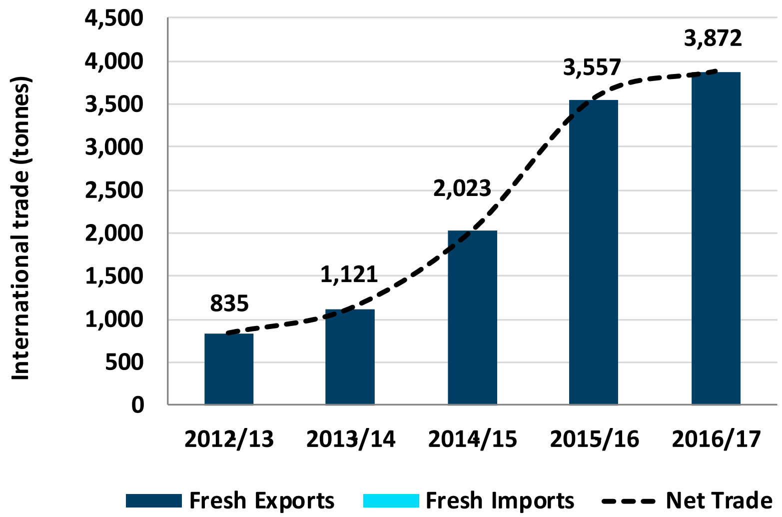
State	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
New South Wales	444												
Victoria	35,825												
Queensland	15,235												
Western Australia	8,955												
South Australia	533												
Tasmania	1,108												
Availability legend			High		Medium		Low		None				

Source: AUSVEG

Fresh Celery International Trade

Australia is a net exporter of celery, with exports growing in recent years. For the year ending June 2017, Australia exported **3,872 tonnes**. The exports and imports over the last 5 financial years is profiled in the graph to the right, where imports are counted as negative tonnes.

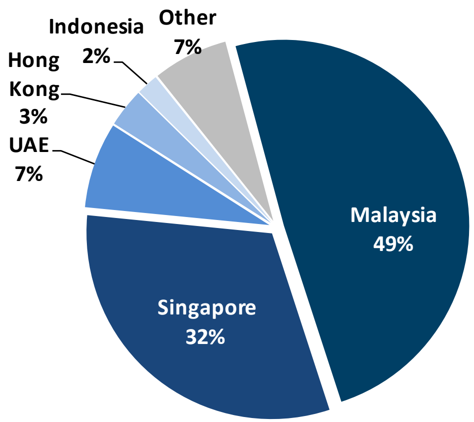
Net Fresh Celery International Trade



Source: GTA

2016/17 Fresh Celery Exports by Country

For the year ending June 2017, **49%** of exported fresh celery was sent to Malaysia, as profiled in the chart below.



Source: GTA

Fresh Celery Exports by State

Imports by state destination (Tonnes)				Exports by state of production origin (Tonnes)			
Year Ending June	2015	2016	2017	Year Ending June	2015	2016	2017
Victoria	-	-	< 0.5	Victoria	338	1,438	1,830
Other	-	-	***< 0.5***	Western Australia	1,518	1,831	1,687
TOTAL	-	-	**< 1**	Queensland	93	95	170
				New South Wales	60	46	152
				South Australia	-	< 0.5	2
				Other	***13***	***146***	***30***
				TOTAL	**2,023**	**3,557**	**3,872**

Fresh Celery Exports by Country

Imports by country (Tonnes)				Exports by country (Tonnes)			
Year Ending June	2015	2016	2017	Year Ending June	2015	2016	2017
India	-	-	< 0.5	Malaysia	1,083	2,149	1,902
Other	-	-	***< 0.5***	Singapore	711	854	1,223
TOTAL	-	-	**< 1**	UAE	59	241	288
				Hong Kong	16	47	130
				Indonesia	28	50	74
				Other	***126***	***216***	***254***
				TOTAL	**2,023**	**3,557**	**3,872**

Source: GTA

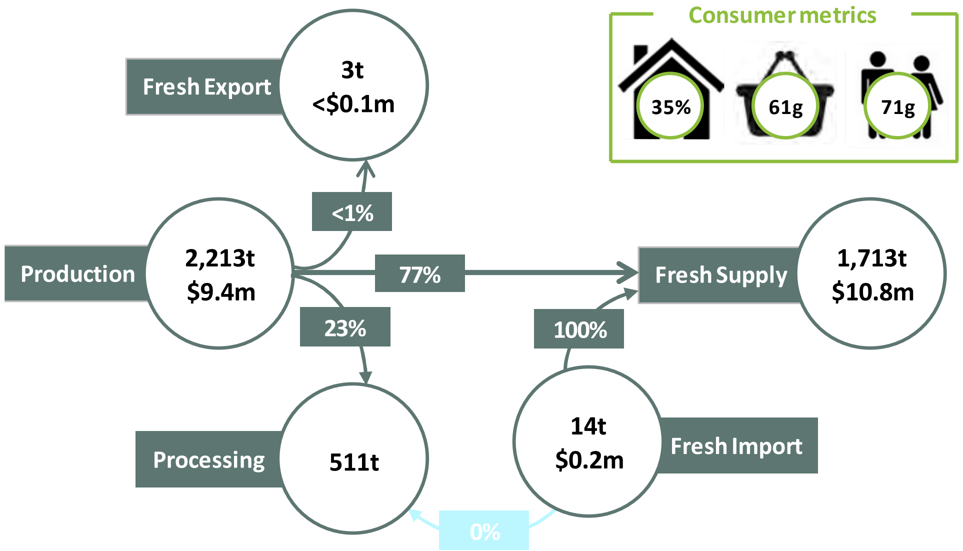
Fresh Chillies Overview

Chillies are grown in most states of Australia. The majority of chillies are currently grown in Queensland.

For the year ending June 2017:

- **2,213 t** was produced with **23%** sent to processing.
- The value of production was **$9.4 m** while the wholesale value of the fresh supply was **$10.8 m.**
- **35%** of Australian households purchased chillies, buying an average of **61 g** of chillies per shopping trip.
- The supply per capita was **71 g**, based on the volume supplied.

Fresh Chillies Supply Chain—Year Ending June 2017



Sources: AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

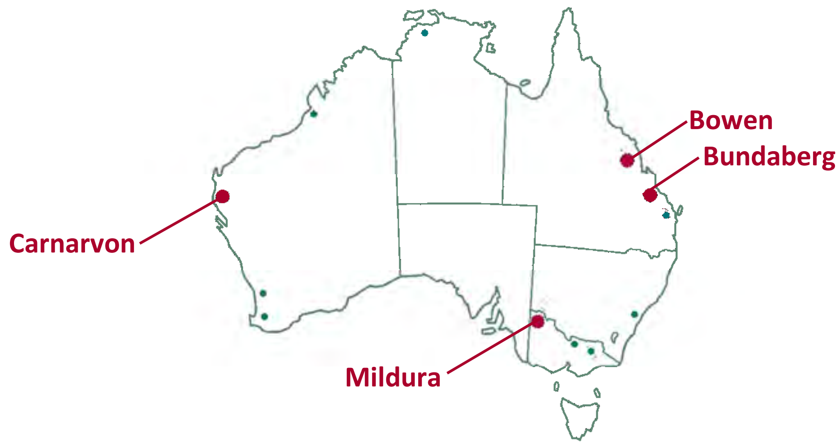
Chillies

Year Ending June	2015	2016		2017	
	Value	Value	% YoY	Value	% YoY
Production (t)	2,152	2,165	<1%	2,213	+2%
Production ($m)	$ 9.6	$ 8.5	-12%	$ 9.4	+11%
Production area (Ha)	-	-	-	-	-
Fresh Export Volume (t)	5	5	<1%	3	-28%
Fresh Export Value ($m)	< $0.1	< $0.1	-12%	< $0.1	-14%
Fresh Import Volume (t)	19	15	-22%	14	-8%
Fresh Import Value ($m)	$ 0.3	$ 0.2	-12%	$ 0.2	>-1%
Fresh Supply (t)	1,670	1,675	<1%	1,713	+2%
Fresh Supply Wholesale Value ($m)	$ 11.1	$ 9.8	-12%	$ 10.8	+11%
Supply per Capita (kg)	0.07	0.07	-1%	0.07	<1%

Sources: AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

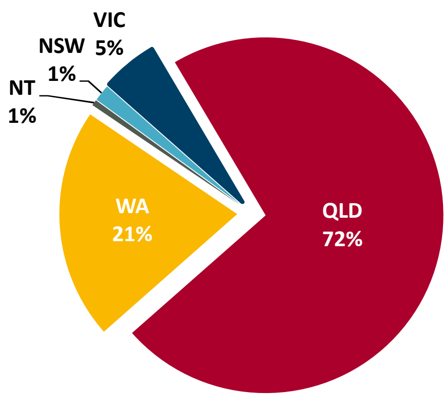
Major Chilli Production Areas

Chillies are grown across most states of Australia, with the majority of chillies being grown in Queensland. The major growing regions include **Bowen** and **Bundaberg** in Queensland; **Carnavon** in Western Australia; and **Mildura** in Victoria.



Source: AUSVEG

2016/17 Fresh Chillies Production by State



Source: AUSVEG

Fresh Chillies Seasonality by State

State	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
New South Wales	33												
Victoria	110												
Queensland	1,593												
Western Australia	464												
Northern Territory	12												
Availability legend			High		Medium		Low		None				

Source: AUSVEG

Fresh Chillies International Trade

Note: Trade data combines fresh capsicums and chillies. For this combined analysis see pages 278-280.

Processed Chillies International Trade

For the year ending June 2017, an additional **3,984 tonnes** of dried chillies were imported, while **62 tonnes** were exported.

Dried Imports
3,984t
$17.8m

62t
$834,471
Dried Exports

Source: GTA

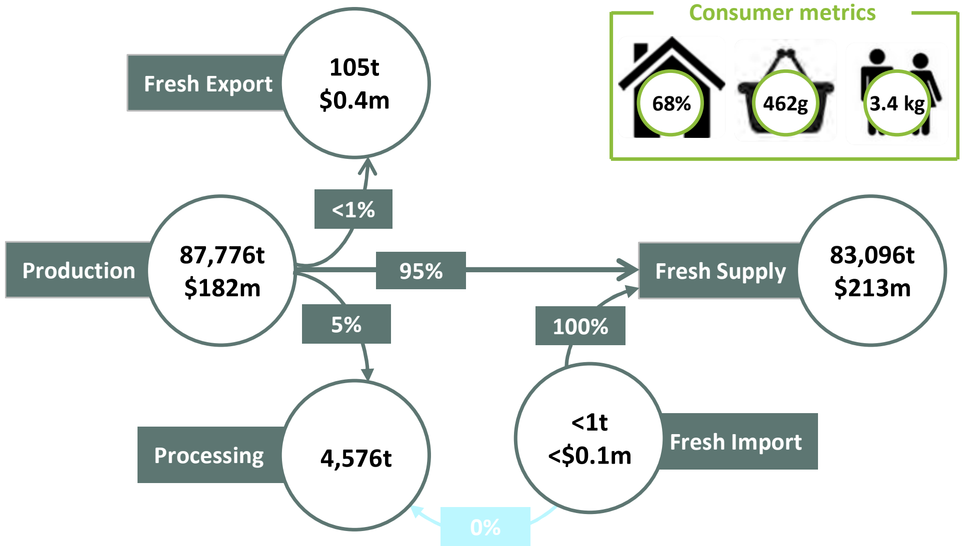
Fresh Cucumbers Overview

The majority of cucumber production currently occurs in protected cropping, either covered or increasingly in high-tech glasshouses.

For the year ending June 2017:

- **87,776 t** was produced with **5%** sent to processing.
- The value of production was **$182.1 m** while the wholesale value of the fresh supply was **$213.2 m.**
- **68%** of Australian households purchased cucumbers, buying an average of **462 g** of cucumbers per shopping trip.
- The supply per capita was **3.4 kg**, based on the volume supplied.

Fresh Cucumbers Supply Chain—Year Ending June 2017



Sources: AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Year Ending June	2015	2016		2017	
	Value	Value	% YoY	Value	% YoY
Production (t)	84,693	86,434	+2%	87,776	+2%
Production ($m)	$ 183.5	$ 164.2	-11%	$ 182.1	+11%
Production area (Ha)	-	-	-	-	-
Fresh Export Volume (t)	102	59	-42%	105	+77%
Fresh Export Value ($m)	$ 0.3	$ 0.2	-52%	$ 0.4	>100%
Fresh Import Volume (t)	-	1	-	<1	-29%
Fresh Import Value ($m)	$ -	< $0.1	-	< $0.1	+22%
Fresh Supply (t)	79,797	81,745	+2%	83,096	+2%
Fresh Supply Wholesale Value ($m)	$ 214.5	$ 192.1	-10%	$ 213.2	+11%
Supply per Capita (kg)	3.36	3.39	+1%	3.39	>-1%

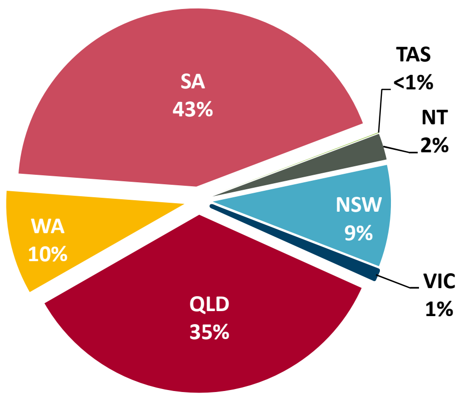
Sources: AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Major Cucumber Production Areas

The majority of cucumbers are grown in protected cropping environments in Australia. Currently the largest producers are in **Bowen** and **Bundaberg** in Queensland, and the **Riverland region** in South Australia.

Source: AUSVEG

2016/17 Fresh Cucumbers Production by State



Source: AUSVEG

Fresh Cucumbers Seasonality by State

State	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
New South Wales	8,101	Low	Medium	Medium	High	High	High	Medium	Medium	Medium	Medium	Low	Low
Victoria	730	Low	Low	Medium	Medium	Medium	High	High	Medium	Medium	Low	Low	Low
Queensland	30,722	Medium	Medium	Medium	Medium	High	High	High	Medium	Medium	Medium	Medium	Medium
Western Australia	8,283	Low	Low	Medium	Medium	Medium	High	High	Medium	Medium	Low	Low	Low
South Australia	37,790	Medium	Medium	Medium	High	High	High	High	High	Medium	Medium	Medium	Medium
Tasmania	43	Low	Low	Low	Low	Low	Medium	Medium	Low	Low	Low	Low	Low
Northern Territory	2,107	Low	Low	Low	Medium	Medium	Medium	Medium	Medium	Low	Low	Low	Low

Availability legend: High | Medium | Low | None

Source: AUSVEG

Main Cucumber Varieties

There are currently 3 main varieties grown in Australia. These include:

Continental cucumbers, also known as Telegraph cucumbers, the most common variety in Australia. Continental cucumbers accounted for **59%** of fresh production for the year ending June 2017.

Lebanese cucumbers, a smaller cucumber with bumpy ridged skin. Lebanese cucumbers accounted for **31%** of fresh production.

Baby cucumbers, including the trademarked Qukes^{TM}, accounted for **9%** of fresh production.

Other varieties, including white and apple cucumbers, accounted for **1%** of fresh production.

Seasonality by Cucumber Variety

The seasonal availability of some major varieties is profiled in the table below.

Variety	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Continental	51,788	Medium	Medium	Medium	High	High	High	High	High	Medium	Medium	Medium	Medium
Lebanese	27,211	Low	Medium	Medium	Medium	High	High	Medium	Medium	Medium	Medium	Low	Low
Baby	7,900	Low	Low	Low	Low	Medium	Medium	Medium	Low	Low	Low	Low	Low
Other	***878***	Low	Low	Low	Medium	Medium	Medium	Medium	Medium	Medium	Low	Low	Low

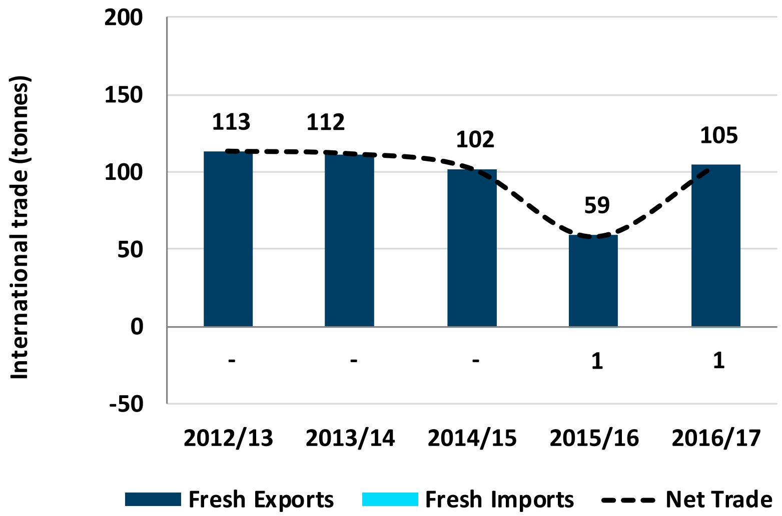
Availability legend: High | Medium | Low | None

Source: AUSVEG

Fresh Cucumbers International Trade

Australia is a net exporter of fresh cucumbers, typically exporting 100-150 tonnes every year. For the year ending June 2017, Australia exported **105 tonnes**. The exports and imports over the last 5 financial years is profiled in the graph below, where imports are counted as negative tonnes.

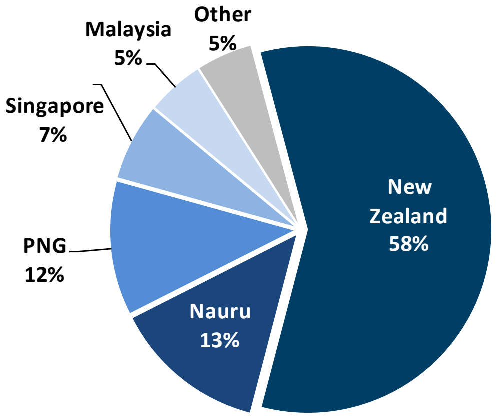
Net Fresh Cucumbers International Trade



Source: GTA

Cucumbers

For the year ending June 2017, **58%** of exported fresh cucumbers were sent to New Zealand, as profiled in the chart below.



Source: GTA

Fresh Cucumbers Exports by State

Imports by state destination (Tonnes)			
Year Ending June	2015	2016	2017
Western Australia	-	-	1
Victoria	-	1	-
TOTAL	**-**	**1**	**1**

Exports by state of production origin (Tonnes)			
Year Ending June	2015	2016	2017
Queensland	84	33	93
New South Wales	13	9	6
Victoria	3	2	3
Western Australia	1	2	2
South Australia	< 0.5	< 0.5	1
Other	***1***	***14***	***< 0.5***
TOTAL	**102**	**59**	**105**

Fresh Cucumbers Exports by Country

Imports by country (Tonnes)			
Year Ending June	2015	2016	2017
Belgium	-	-	1
Iran	-	1	-
TOTAL	**-**	**1**	**1**

Exports by country (Tonnes)			
Year Ending June	2015	2016	2017
New Zealand	59	32	61
Nauru	12	3	14
PNG	8	9	12
Singapore	14	6	7
Malaysia	2	4	5
Other	***7***	***5***	***5***
TOTAL	**102**	**59**	**105**

Source: GTA

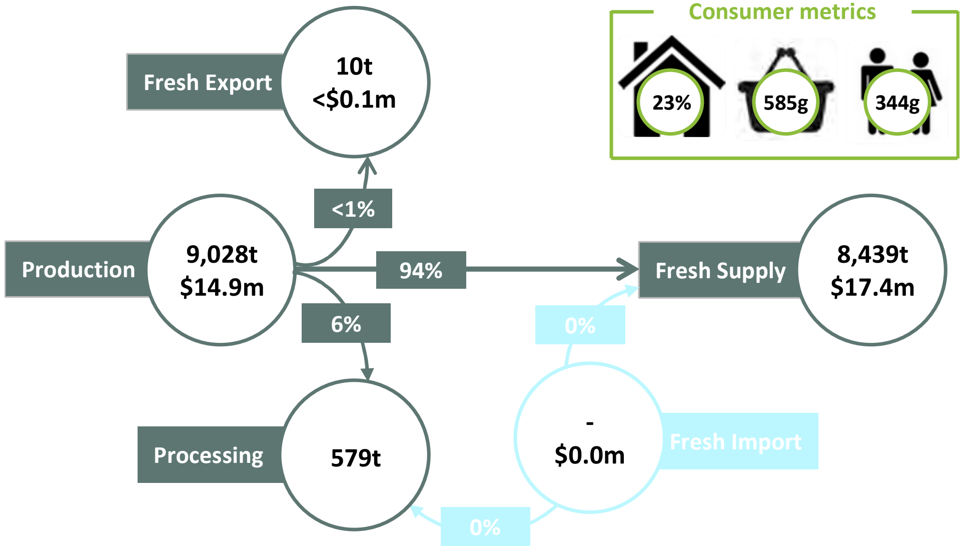
Fresh Eggplants Overview

Eggplants are grown in most states of Australia, with the majority of production occurring along the east coast. Currently, most eggplants are grown outdoors. However, increasing volumes are being grown year-round in high-tech greenhouses in the southern states.

For the year ending June 2017:

- **9,028 t** was produced with **6%** sent to processing.
- The value of production was **$14.9 m** while the wholesale value of the fresh supply was **$17.4 m.**
- **23%** of Australian households purchased eggplants, buying an average of **585 g** of eggplants per shopping trip.
- The supply per capita was **344 g**, based on the volume supplied.

Fresh Eggplants Supply Chain—Year Ending June 2017



Sources: AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

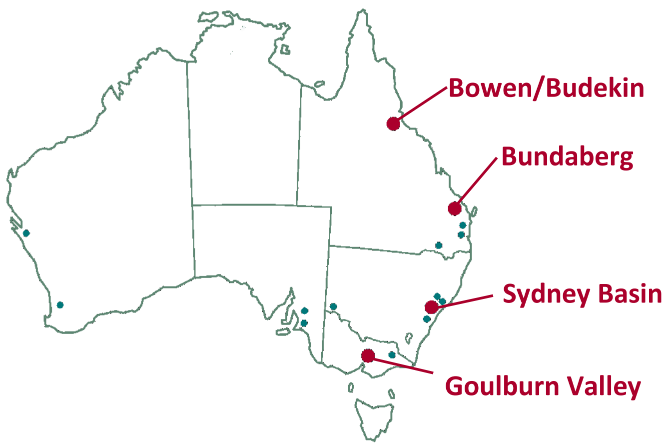
Eggplants

Year Ending June	2015	2016		2017	
	Value	Value	% YoY	Value	% YoY
Production (t)	8,669	8,713	<1%	9,028	+4%
Production ($m)	$ 16.2	$ 16.0	-2%	$ 14.9	-7%
Production area (Ha)	-	-	-	-	-
Fresh Export Volume (t)	11	7	-39%	10	+51%
Fresh Export Value ($m)	< $0.1	< $0.1	+27%	< $0.1	-19%
Fresh Import Volume (t)	-	4	-	-	-100%
Fresh Import Value ($m)	$ -	< $0.1	-	$ -	-100%
Fresh Supply (t)	8,091	8,132	<1%	8,439	+4%
Fresh Supply Wholesale Value ($m)	$ 19.0	$ 18.6	-2%	$ 17.4	-7%
Supply per Capita (kg)	0.34	0.34	>-1%	0.34	+2%

Sources: AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

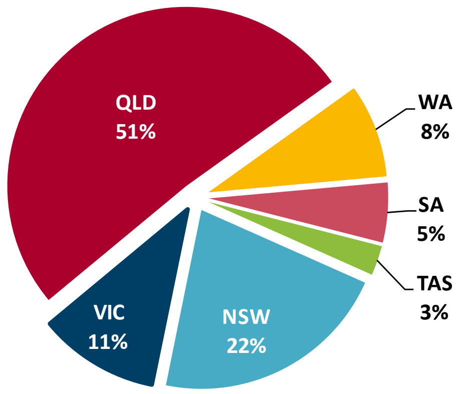
Major Eggplant Production Areas

Eggplants are grown around Australia. The major production regions include: the **Bowen/Budekin** region and **Bundaberg** in Queensland; the **Sydney region** in New South Wales; and the **Goulburn Valley** region in Victoria.



Source: AUSVEG

2016/17 Fresh Eggplants Production by State



Source: AUSVEG

Fresh Eggplants Seasonality by State

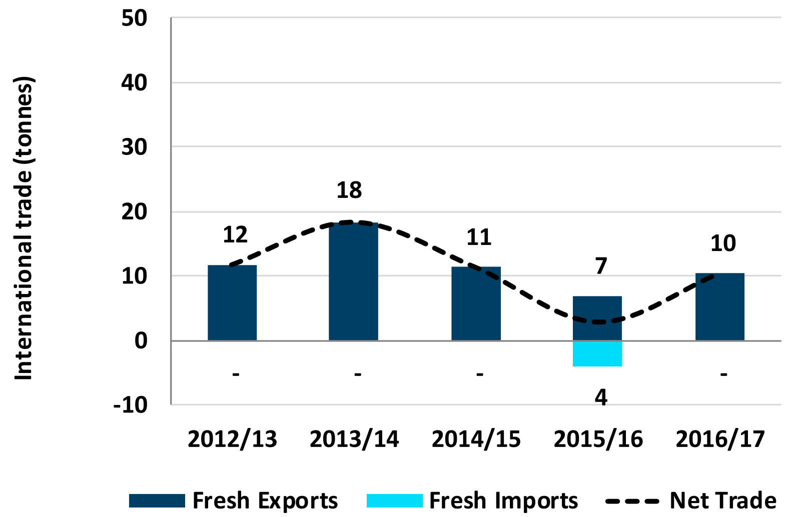
State	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
New South Wales	1,944												
Victoria	972												
Queensland	4,618												
Western Australia	764												
South Australia	486												
Tasmania	243												
Availability legend			High		Medium		Low		None				

Source: AUSVEG

Fresh Eggplants International Trade

There is minimal trade of eggplants, with Australia typically exporting approximately 11 tonnes each year on average. For the year ending June 2017, Australia exported **10 tonnes**. The exports and imports over the last 5 financial years is profiled in the graph to the right, where imports are counted as negative tonnes.

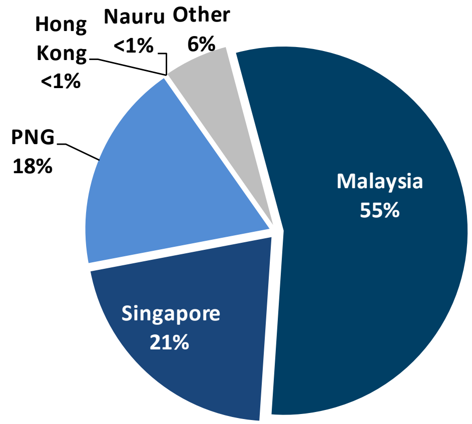
Net Fresh Eggplant International Trade



Source: GTA

For the year ending June 2017, **55%** of exported fresh eggplants were sent to Malaysia, as profiled in the chart below.

2016/17 Fresh Eggplants Exports by Country



Source: GTA

Eggplants

Fresh Eggplants Exports by State

Imports by state destination (Tonnes)			
Year Ending June	2015	2016	2017
New South Wales	-	4	-
TOTAL	**-**	**4**	**-**

Exports by state of production origin (Tonnes)			
Year Ending June	2015	2016	2017
Queensland	10	1	9
Victoria	< 0.5	4	2
Western Australia	< 0.5	< 0.5	< 0.5
New South Wales	1	1	-
South Australia	< 0.5	-	-
Other	***< 0.5***	***1***	***< 0.5***
TOTAL	**11**	**7**	**10**

Fresh Eggplants Exports by Country

Imports by state destination (Tonnes)			
Year Ending June	2015	2016	2017
New South Wales	-	4	-
TOTAL	**-**	**4**	**-**

Exports by state of production origin (Tonnes)			
Year Ending June	2015	2016	2017
Malaysia	< 0.5	4	6
Singapore	1	1	2
PNG	6	< 0.5	2
Hong Kong	< 0.5	1	< 0.5
Nauru	4	< 0.5	< 0.5
Other	***< 0.5***	***< 0.5***	***1***
TOTAL	**11**	**7**	**10**

Source: GTA

English Spinach/Silverbeet/Kale

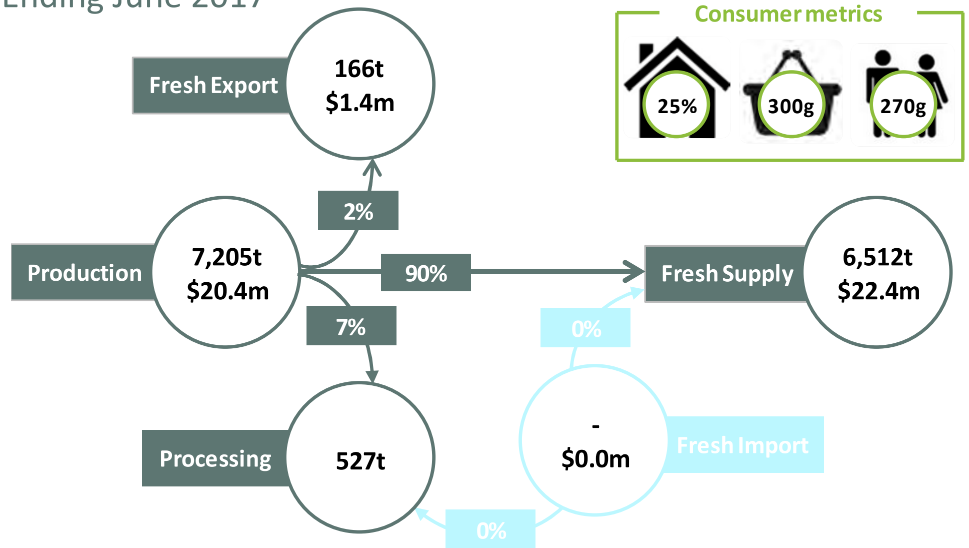
Fresh English Spinach/ Silverbeet/Kale Overview

This section combines information on **English spinach, silverbeet** and **kale**. These categories are produced in most states of Australia.

For the year ending June 2017:

- **7,205 t** was produced with **7%** sent to processing.
- The value of production was **$20.4 m** while the wholesale value of the fresh supply was **$22.4 m.**
- **25%** of Australian households purchased these categories, buying an average of **300 g** of English spinach, silverbeet and kale per shopping trip.
- The supply per capita was **270 g**, based on the volume supplied.

Fresh English Spinach/Silverbeet/Kale Supply Chain—Year Ending June 2017



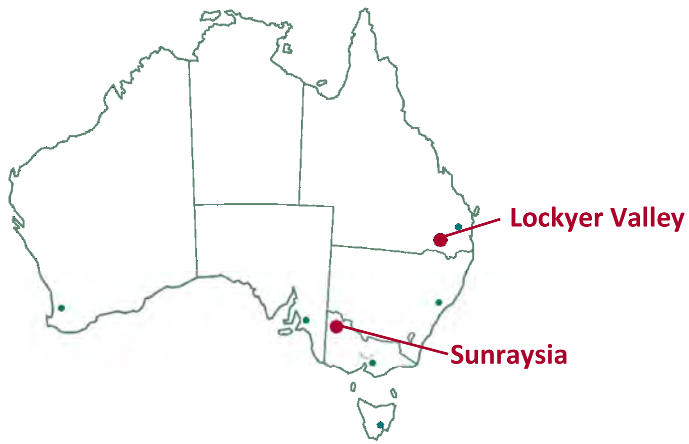
Sources: AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Year Ending June	2015	2016		2017	
	Value	Value	% YoY	Value	% YoY
Production (t)	6,928	7,110	+3%	7,205	+1%
Production ($m)	$ 15.5	$ 20.2	+30%	$ 20.4	<1%
Production area (Ha)	-	-	-	-	-
Fresh Export Volume (t)	129	157	+22%	166	+6%
Fresh Export Value ($m)	$ 1.0	$ 1.3	+33%	$ 1.4	+11%
Fresh Import Volume (t)	26	29	+10%	-	-100%
Fresh Import Value ($m)	< $0.1	< $0.1	+19%	$ -	-100%
Fresh Supply (t)	6,318	6,462	+2%	6,512	<1%
Fresh Supply Wholesale Value ($m)	$ 17.3	$ 22.5	+30%	$ 22.4	>-1%
Supply per Capita (kg)	0.27	0.27	<1%	0.27	>-1%

Sources: AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Major English Spinach/Silverbeet/Kale Production Areas

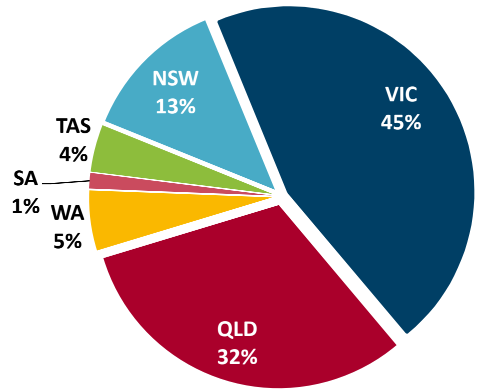
English spinach, silverbeet and kale is grown around Australia. The major production regions include the **Lockyer Valley** in Queensland; and the **Sunraysia region** in Victoria.



Source: AUSVEG

English Spinach/Silverbeet/Kale

2016/17 Fresh English Spinach/Silverbeet/Kale Production by State



Source: AUSVEG

Fresh English Spinach/Silverbeet/Kale Seasonality by State

State	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
New South Wales	914	Medium	Medium	Medium	Medium	Medium	High	Medium	Medium	Medium	Medium	Medium	Medium
Victoria	3,247	High	High	Medium	Medium	Medium	High	High	High	Medium	Medium	Medium	High
Queensland	2,267	Medium	Medium	Medium	Medium	High	High	High	Medium	Medium	Medium	Medium	Medium
Western Australia	381	Medium	Medium	Low	Medium	Medium	Medium	Medium	Medium	Low	Low	Low	Medium
South Australia	98	Low	Low	Low	Low	Low	Medium	Medium	Medium	Low	Low	Low	Low
Tasmania	299	None	None	Low	Low	Low	Low	Medium	Low	Low	Low	Low	None

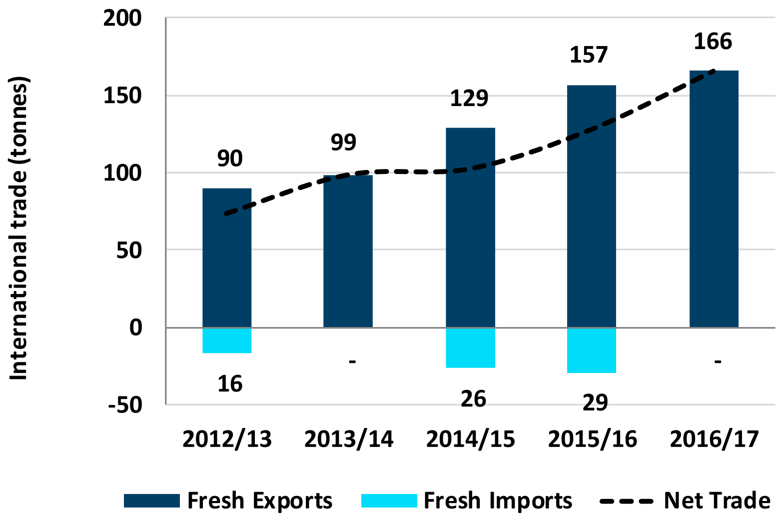
Availability legend: High | Medium | Low | None

Source: AUSVEG

Fresh Spinach/Silverbeet International Trade

There is minimal trade of fresh English spinach, although Australia's exports have been increasing recently. There is currently no trade in fresh silverbeet. For the year ending June 2017, Australia exported **166 tonnes**. The exports and imports over the last 5 financial years is profiled in the graph to the right, where imports are counted as negative tonnes.

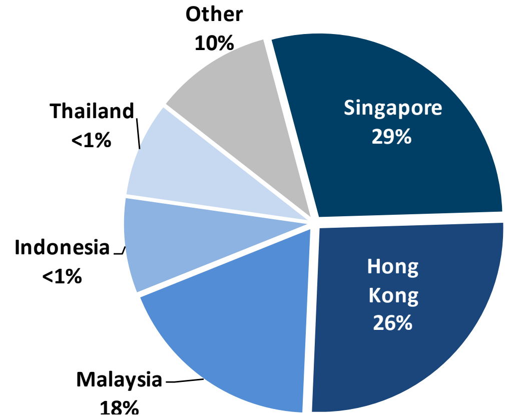
Net Fresh English Spinach International Trade



Source: GTA

For the year ending June 2017, **29%** of exported fresh English spinach was sent to Singapore, as profiled in the chart below.

2016/17 Fresh English Spinach Export by Country



Source: GTA

English Spinach/Silverbeet/Kale

Fresh English Spinach Imports and Exports by State

Imports by state destination (Tonnes)			
Year Ending June	2015	2016	2017
Victoria	22	29	-
New South Wales	4	-	-
Other	***< 0.5***	-	-
TOTAL	**26**	**29**	**-**

Exports by state of production origin (Tonnes)			
Year Ending June	2015	2016	2017
Victoria	84	106	114
New South Wales	25	34	27
Queensland	12	14	18
Western Australia	7	2	7
South Australia	-	-	< 0.5
Other	***< 0.5***	***1***	***< 0.5***
TOTAL	**129**	**157**	**166**

Fresh English Spinach Imports and Exports by Country

Imports by country (Tonnes)			
Year Ending June	2015	2016	2017
China	25	22	-
US	2	6	-
TOTAL	**26**	**29**	**-**

Exports by country (Tonnes)			
Year Ending June	2015	2016	2017
Singapore	34	50	48
Hong Kong	34	44	43
Malaysia	9	19	30
Indonesia	11	13	14
Thailand	15	17	14
Other	***27***	***13***	***17***
TOTAL	**129**	**157**	**166**

Source: GTA

Processed Spinach International Trade

For the year ending June 2017, an additional **4,953 tonnes** of frozen spinach was imported, while **4 tonnes** were exported.

Frozen Imports

4,953t
$6.9m

4t
$29,921

Frozen Exports

Source: GTA

Fresh Herbs—Overview

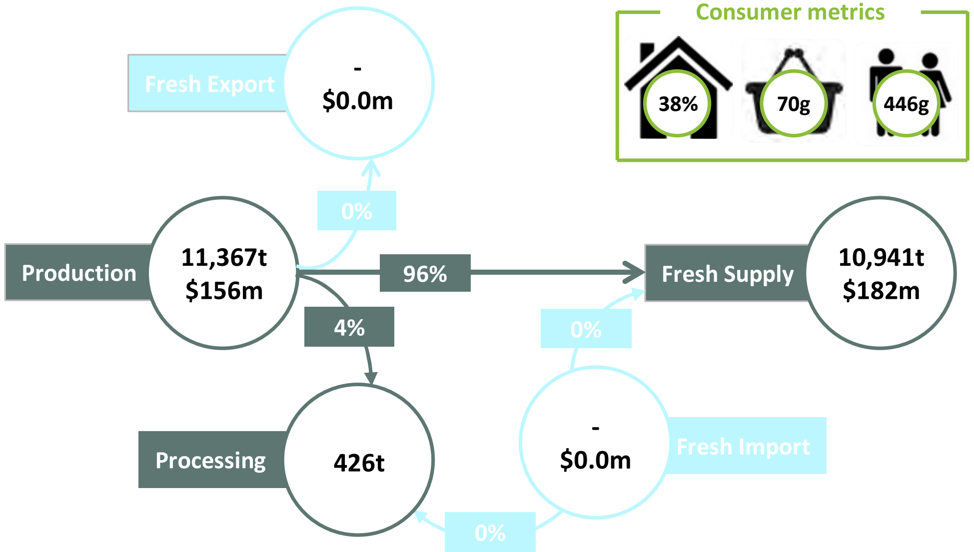
Fresh Herbs Overview

Pages 320-321 profile total fresh herb production and trade. They combine information on fennel, parsley and other fresh herbs. The following pages profile each fresh herb category in more detail.

For the year ending June 2017:

- **11,367 t** was produced with **4%** sent to processing.
- The value of production was **$155.5 m** while the wholesale value of the fresh supply was **$182.4 m.**
- **38%** of Australian households purchased a fresh herb, buying an average of **70 g** of fresh herbs per shopping trip.
- The supply per capita was **446 g**, based on the volume supplied.

Fresh Herbs Supply Chain—Year Ending June 2017



Sources: AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Year Ending June	2015	2016		2017	
	Value	Value	% YoY	Value	% YoY
Production (t)	11,715	11,275	-4%	11,367	<1%
Production ($m)	$ 121.4	$ 133.5	+10%	$ 155.5	+16%
Production area (Ha)	-	-	-	-	-
Fresh Export Volume (t)	-	-	-	-	-
Fresh Export Value ($m)	$ -	$ -	-	$ -	-
Fresh Import Volume (t)	-	-	-	-	-
Fresh Import Value ($m)	$ -	$ -	-	$ -	-
Fresh Supply (t)	11,275	10,853	-4%	10,941	<1%
Fresh Supply Wholesale Value ($m)	$ 142.3	$ 156.6	+10%	$ 182.4	+16%
Supply per Capita (kg)	0.47	0.45	-5%	0.45	>-1%

Sources: AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

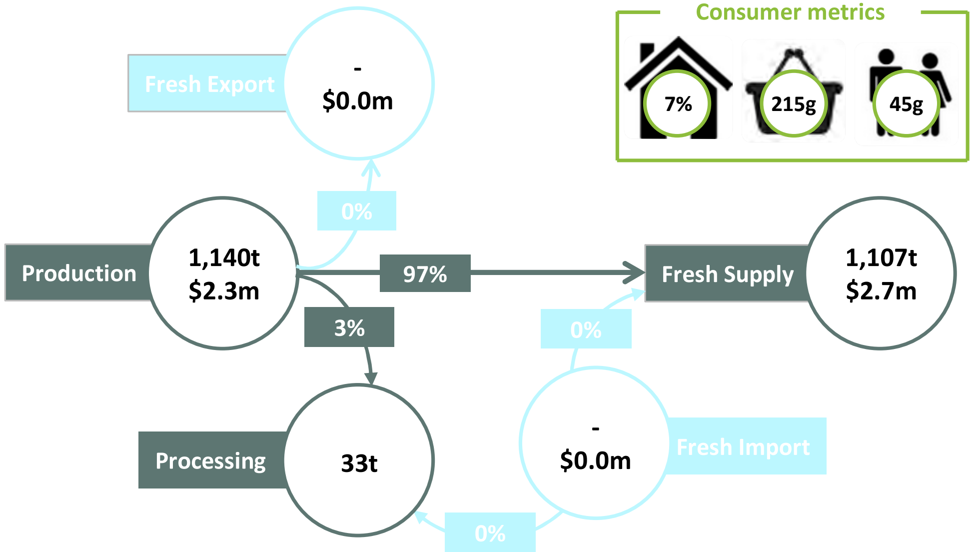
Fresh Fennel Overview

The majority of fennel is grown in Australia, with the majority of production being used in the fresh market.

For the year ending June 2017:

- **1,140 t** was produced with **3%** sent to processing.
- The value of production was **$2.3 m** while the wholesale value of the fresh supply was **$2.7 m.**
- **7%** of Australian households purchased fennel, buying an average of **215 g** of fennel per shopping trip.
- The supply per capita was **45 g**, based on the volume supplied.

Fresh Fennel Supply Chain—Year Ending June 2017



Sources: AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

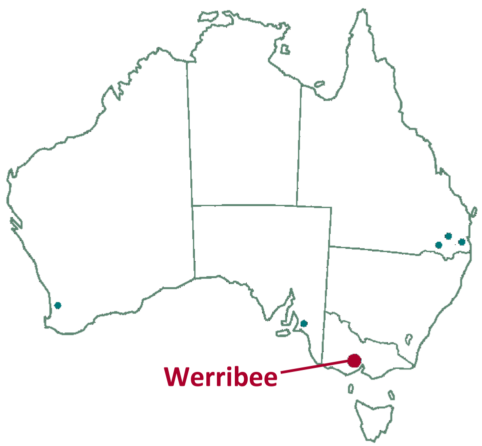
Fresh Herbs—Fennel

Year Ending June	2015	2016		2017	
	Value	Value	% YoY	Value	% YoY
Production (t)	1,109	1,189	+7%	1,140	-4%
Production ($m)	$ 2.1	$ 2.2	+3%	$ 2.3	+5%
Production area (Ha)	-	-	-	-	-
Fresh Export Volume (t)	-	-	-	-	-
Fresh Export Value ($m)	$ -	$ -	-	$ -	-
Fresh Import Volume (t)	-	-	-	-	-
Fresh Import Value ($m)	$ -	$ -	-	$ -	-
Fresh Supply (t)	1,077	1,154	+7%	1,107	-4%
Fresh Supply Wholesale Value ($m)	$ 2.5	$ 2.5	+3%	$ 2.7	+5%
Supply per Capita (kg)	0.05	0.05	+6%	0.05	-6%

Sources: AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

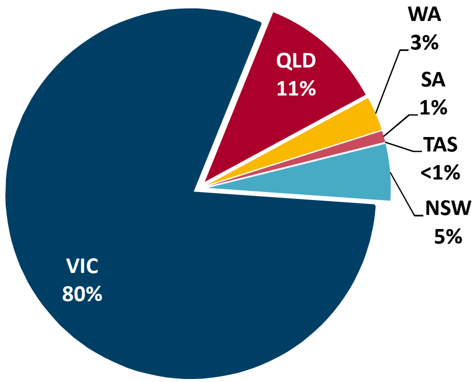
Major Fennel Production Areas

Fennel is grown around Australia. Currently the major production region is the **Werribee region** in Victoria.



Source: AUSVEG

2016/17 Fresh Fennel Production by State



Source: AUSVEG

Fresh Fennel Seasonality by State

State	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
New South Wales	57												
Victoria	912												
Queensland	125												
Western Australia	34												
South Australia	11												
Availability legend			High		Medium			Low			None		

Source: AUSVEG

Fresh Herbs—Fennel

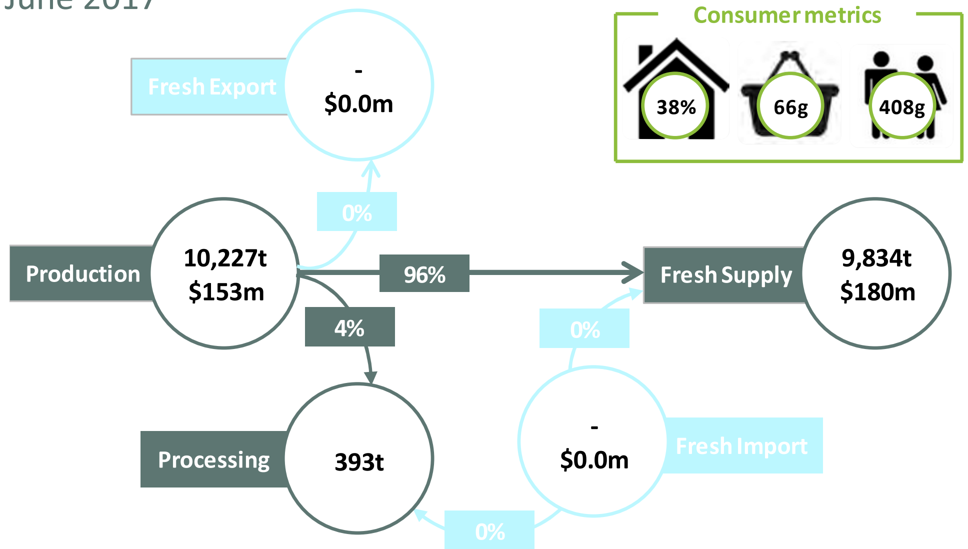
Fresh Parsley and other Fresh Herbs Overview

Fresh herbs, including parsley, are grown in most states of Australia, typically in market gardens near the major capitals. Increasingly volumes are being grown year-round in high-tech greenhouses in New South Wales.

For the year ending June 2017:

- **10,227 t** was produced with **4%** sent to processing.
- The value of production was **$153.3 m** while the wholesale value of the fresh supply was **$179.7 m.**
- **38%** of Australian households purchased fresh herbs, buying an average of **66 g** of fresh herbs per shopping trip.
- The supply per capita was **408 g**, based on the volume supplied.

Fresh Parsley and Other Fresh Herbs Supply Chain—Year Ending June 2017



Sources: AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Fresh Herbs—Parsley and other Fresh Herbs

Year Ending June	2015	2016		2017	
	Value	Value	% YoY	Value	% YoY
Production (t)	10,606	10,087	-5%	10,227	+1%
Production ($m)	$ 119.2	$ 131.4	+10%	$ 153.3	+17%
Production area (Ha)	-	-	-	-	-
Fresh Export Volume (t)	-	-	-	-	-
Fresh Export Value ($m)	$ -	$ -	-	$ -	-
Fresh Import Volume (t)	-	-	-	-	-
Fresh Import Value ($m)	$ -	$ -	-	$ -	-
Fresh Supply (t)	10,198	9,699	-5%	9,834	+1%
Fresh Supply Wholesale Value ($m)	$ 139.8	$ 154.0	+10%	$ 179.7	+17%
Supply per Capita (kg)	0.43	0.40	-6%	0.41	+1%

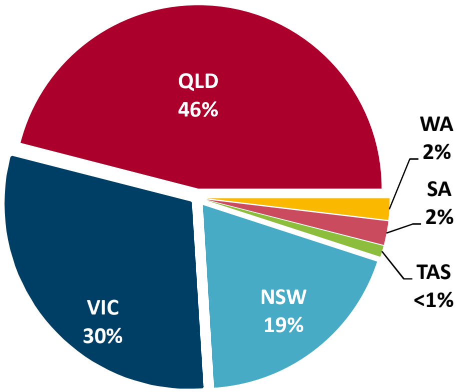
Sources: AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Major Parsley and other Herbs Production Areas

Fresh herbs are grown in most states of Australia, typically in market gardens near the major capitals. Increasingly volumes are being grown year-round in high-tech greenhouses in the New South Wales regions of the **Sydney Basin** and **Northern New South Wales**.

Source: AUSVEG

2016/17 Fresh Parsley and other Fresh Herbs Production by State



Source: AUSVEG

Fresh Parsley and other Fresh Herbs Seasonality by State

State	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
New South Wales	1,943												
Victoria	3,068												
Queensland	4,705												
Western Australia	194												
South Australia	215												
Tasmania	102												
Availability legend			High		Medium		Low		None				

Source: AUSVEG

Main Parsley and other Fresh Herbs Varieties

There are a large number of fresh herb varieties grown in Australia. Some of the major varieties include:

Parsley, including continental and curly-leaf parsley. Parsley accounted for **26%** of fresh production.

Coriander, a small leafed fresh herb. Coriander accounted for **28%** of fresh production.

Fresh Herbs—Parsley and other Fresh Herbs

Basil, a large flat leafed fresh herb, accounted for **17%** of fresh production.

Mint, a smaller leafed fresh herb, accounted for **9%** of fresh production.

Chives, including garlic chives, a long thin fresh herb, accounted for **5%** of fresh production.

Other varieties accounted for **17%** of fresh production.

Seasonality by Parsley and other Fresh Herb Variety

The seasonal availability of some major varieties is profiled in the table below.

Variety	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Coriander	2,813												
Parsley	2,608												
Basil	1,688												
Mint	920												
Chives	460												
Other	***1,739***												
Availability legend			High		Medium		Low		None				

Source: AUSVEG

Garlic

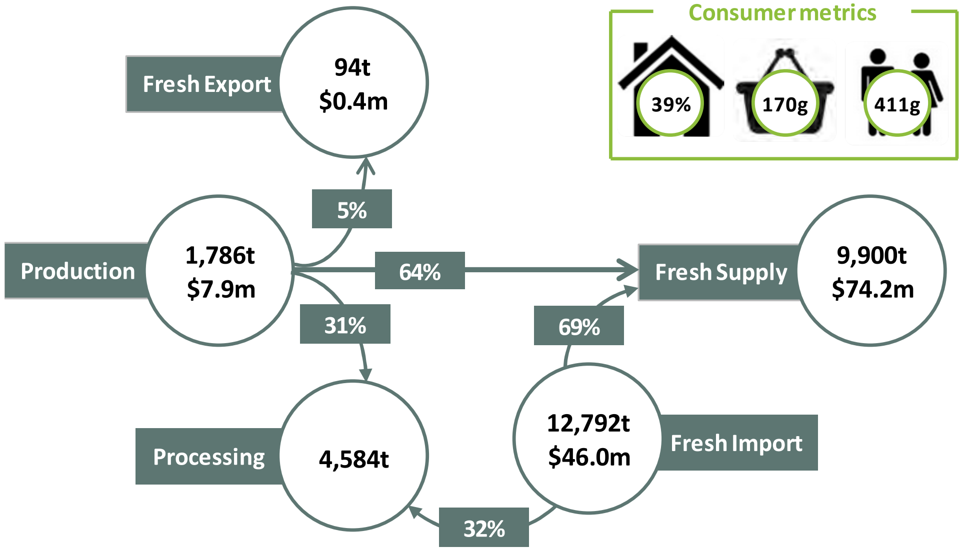
Fresh Garlic Overview

Australia has a small but growing garlic industry, with the majority of current fresh supply being sourced from imports.

For the year ending June 2017:

- **1,786 t** was produced with **31%** sent to processing.
- The value of production was **$7.9 m** while the wholesale value of the fresh supply was **$74.2 m.**
- **39%** of Australian households purchased fresh garlic, buying an average of **170 g** of garlic per shopping trip.
- The supply per capita was **411 g**, based on the volume supplied.

Fresh Garlic Supply Chain—Year Ending June 2017



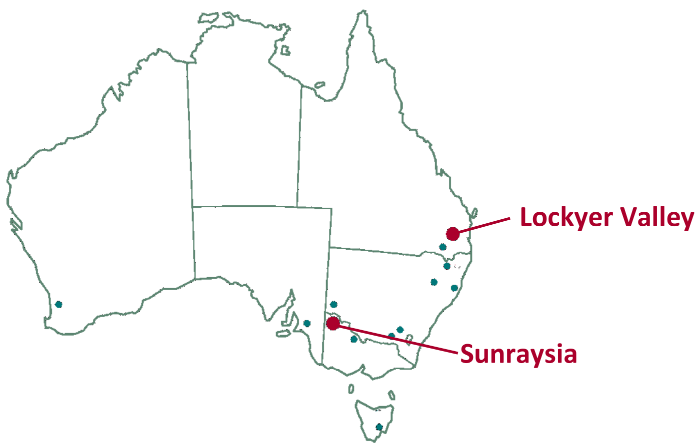
Sources: AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Year Ending June	2015	2016		2017	
	Value	Value	% YoY	Value	% YoY
Production (t)	1,872	1,825	-3%	1,786	-2%
Production ($m)	$ 7.5	$ 7.7	+3%	$ 7.9	+2%
Production area (Ha)	-	-	-	-	-
Fresh Export Volume (t)	83	71	-14%	94	+32%
Fresh Export Value ($m)	$ 0.2	$ 0.2	+3%	$ 0.4	+52%
Fresh Import Volume (t)	11,514	12,521	+9%	12,792	+2%
Fresh Import Value ($m)	$ 25.7	$ 36.9	+44%	$ 46.0	+25%
Fresh Supply (t)	9,294	10,043	+8%	9,900	-1%
Fresh Supply Wholesale Value ($m)	$ 62.0	$ 70.3	+13%	$ 74.2	+6%
Supply per Capita (kg)	0.39	0.42	+7%	0.41	-1%

Sources: AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Major Garlic Production Areas

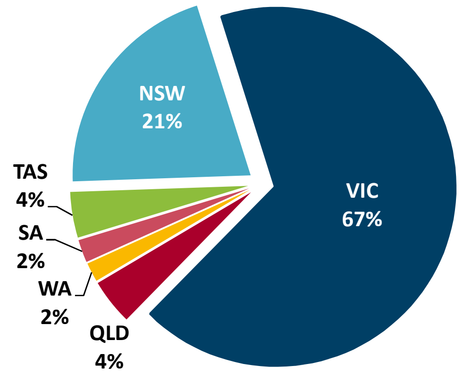
Garlic is grown around Australia. The major production regions include the **Lockyer Valley** in Queensland; and the **Sunraysia region** in Victoria.



Source: AUSVEG

Garlic

2016/17 Fresh Garlic Production by State



Source: AUSVEG

Fresh Garlic Seasonality by State

State	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
New South Wales	369	Low	Low	Low	Low	Low	Low	Medium	Medium	Medium	Medium	Medium	Medium
Victoria	1,201	Low	Low	Low	Low	Low	Medium	High	High	Medium	Low	Low	Low
Queensland	74	Low	Low	Low	Low	Low	Low	High	Medium	Medium	Medium	Medium	Low
Western Australia	31	Low	Low	None	None	None	None	Medium	Low	Low	Low	Low	Low
South Australia	37	Low	Low	None	None	None	None	None	None	None	Low	Low	Low
Tasmania	74	Low	Low	None	None	None	None	None	None	None	None	Low	Low

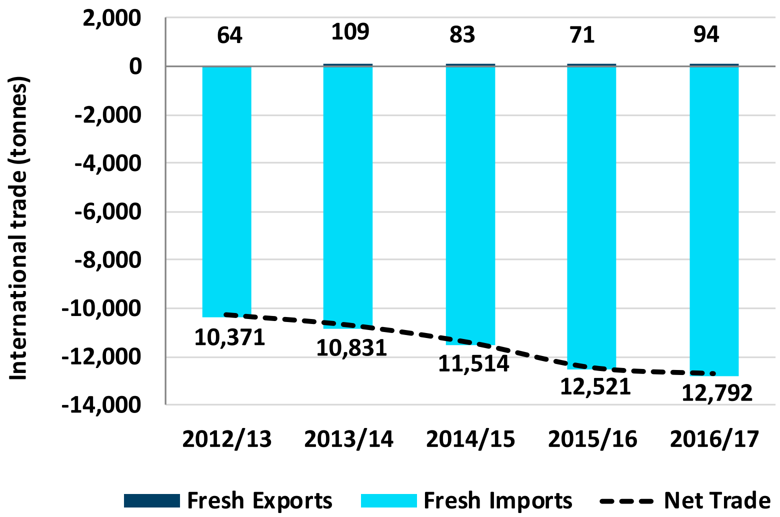
Availability legend: High | Medium | Low | None

Source: AUSVEG

Fresh Garlic International Trade

Australia is a net importer of fresh garlic typically importing 11,000 tonnes annually. For the year ending June 2017, Australia imported **12,792 tonnes** of fresh garlic and exported **94 tonnes**. The exports and imports over the last 5 financial years is profiled in the graph to the right, where imports are counted as negative tonnes.

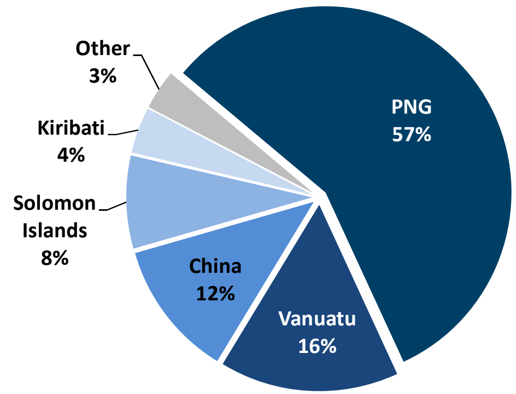
Net Fresh Garlic International Trade



Source: GTA

For the year ending June 2017, **57%** of exported fresh garlic was sent to Papua New Guinea (PNG), as profiled in the chart below.

2016/17 Fresh Garlic Exports by Country



Source: GTA

Fresh Garlic Imports and Exports by State

Imports by state destination (Tonnes)			
Year Ending June	2015	2016	2017
New South Wales	4,294	4,966	4,732
Victoria	4,615	4,539	4,563
Queensland	1,528	1,855	2,093
Western Australia	1,071	1,075	1,269
South Australia	4	86	135
TOTAL	**11,512**	**12,521**	**12,792**

Exports by state of production origin (Tonnes)			
Year Ending June	2015	2016	2017
Queensland	65	53	48
New South Wales	3	13	22
Victoria	2	4	8
South Australia	< 0.5	-	< 0.5
Tasmania	-	< 0.5	< 0.5
Other	***13***	***1***	***16***
TOTAL	**83**	**71**	**94**

Fresh Garlic Imports and Exports by Country

Imports by country (Tonnes)			
Year Ending June	2015	2016	2017
China	8,000	8,418	8,761
Spain	1,322	1,047	1,226
Mexico	1,554	2,333	1,148
Argentina	410	336	677
Egypt	103	230	592
Other	***123***	***157***	***388***
TOTAL	**11,512**	**12,521**	**12,792**

Exports by country (Tonnes)			
Year Ending June	2015	2016	2017
PNG	50	44	54
Vanuatu	2	7	15
China	-	-	11
Solomon Islands	10	11	8
Kiribati	4	3	4
Other	***17***	***6***	***3***
TOTAL	**83**	**71**	**94**

Source: GTA

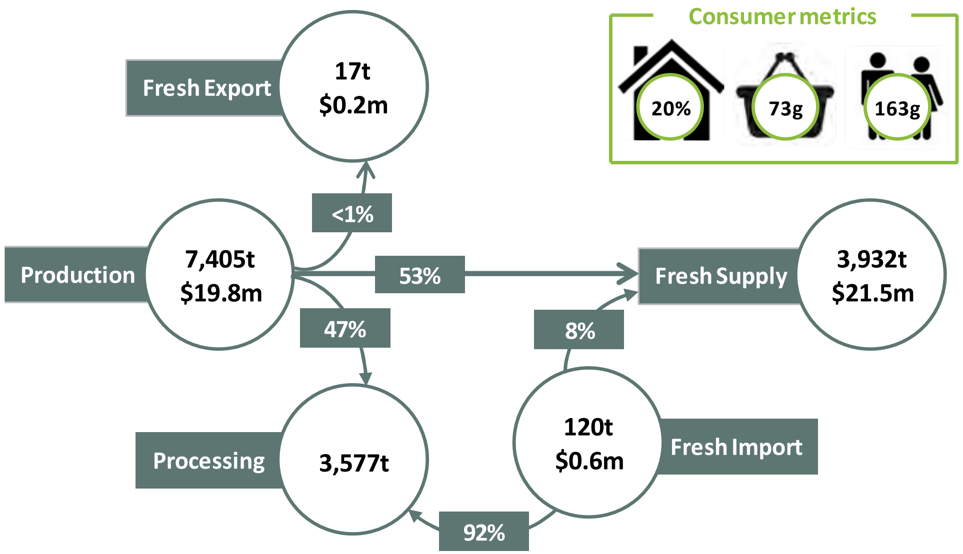
Fresh Ginger Overview

Australian ginger is grown mostly in Queensland. Processed ginger is often minced, candied and used in beverages. Australia imports fresh ginger, but the majority of these fresh imports are processed without entering the fresh supply chain. Fijian ginger has recently been granted access to the Australian fresh supply market.

For the year ending June 2017:

- **7,405 t** was produced with **47%** sent to processing.
- The value of production was **$19.8 m** while the wholesale value of the fresh supply was **$21.5 m.**
- **20%** of Australian households purchased fresh ginger, buying an average of **73 g** of ginger per shopping trip.
- The supply per capita was **163 g**, based on the volume supplied.

Fresh Ginger Supply Chain—Year Ending June 2017



Sources: AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Year Ending June	2015	2016		2017	
	Value	Value	% YoY	Value	% YoY
Production (t)	7,131	7,630	+7%	7,405	-3%
Production ($m)	$ 26.3	$ 19.3	-26%	$ 19.8	+3%
Production area (Ha)	-	-	-	-	-
Fresh Export Volume (t)	4	32	>100%	17	-46%
Fresh Export Value ($m)	< $0.1	$ 0.3	>100%	$ 0.2	-22%
Fresh Import Volume (t)	186	145	-22%	120	-17%
Fresh Import Value ($m)	$ 0.8	$ 0.9	+18%	$ 0.6	-32%
Fresh Supply (t)	3,736	3,965	+6%	3,932	>-1%
Fresh Supply Wholesale Value ($m)	$ 28.6	$ 20.8	-27%	$ 21.5	+3%
Supply per Capita (kg)	0.16	0.16	+5%	0.16	>-1%

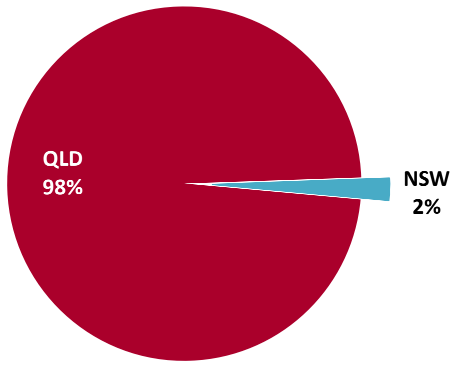
Sources: AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Major Ginger Production Areas

Most ginger is grown in Queensland, with the majority of this production occurring in the **Buderim** region.

Source: AUSVEG

2016/17 Fresh Ginger Production by State



Source: AUSVEG

Fresh Ginger Seasonality by State

State	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
New South Wales	148	None	None	None	Low	Medium	Medium	Low	None	None	None	None	None
Queensland	7,257	Medium	Medium	Medium	Medium	High	High	Low	Low	Low	Low	Low	Medium
Imported	120	Low	Low	None	None	None	Low	Low	Low	Low	Low	Low	None

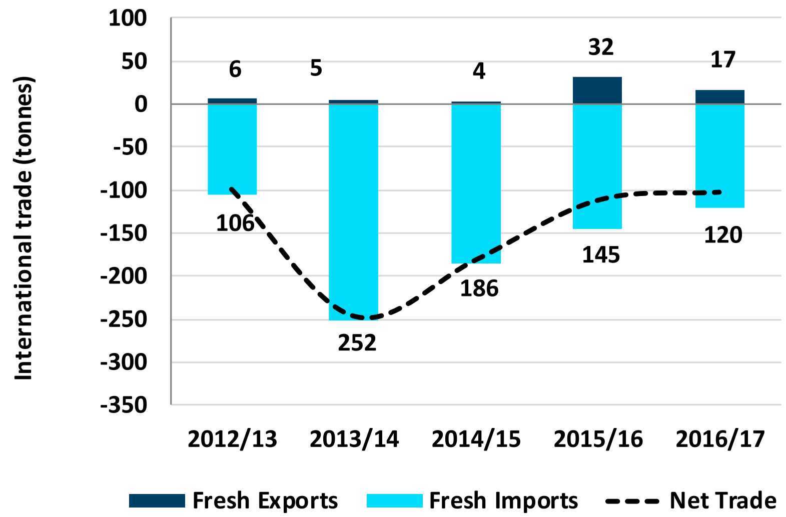
Availability legend: High, Medium, Low, None

Source: AUSVEG

Fresh Ginger International Trade

Australia is a net importer of fresh ginger, although traditionally this has all been used in the processing industry without being allowed to enter the fresh supply chain. Fijian ginger has recently been granted fresh market access. Due to the way trade data is recorded, fresh and crushed ginger was recorded without differentiation prior to 2012, but has been differentiated since. The exports and imports over the last 5 financial years is profiled in the graph to the right, where imports are counted as negative tonnes.

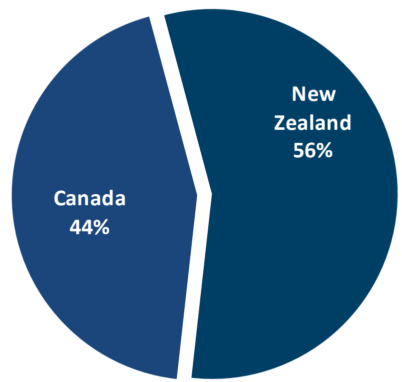
Net Fresh Ginger International Trade



Source: GTA

For the year ending June 2017, **56%** of exported fresh ginger was sent to New Zealand, as profiled in the chart below.

2016/17 Fresh Ginger Exports by Country



Source: GTA

Fresh Ginger Imports and Exports by State

Imports by state destination (Tonnes)			
Year Ending June	2015	2016	2017
Victoria	88	71	64
Queensland	39	39	28
New South Wales	53	27	22
Western Australia	5	8	5
South Australia	1	< 0.5	1
Other	-	***< 0.5***	- ***0***
TOTAL	**186**	**145**	**120**

Exports by state of production origin (Tonnes)			
Year Ending June	2015	2016	2017
Queensland	1	23	12
New South Wales	3	4	1
Victoria	< 0.5	2	-
Other	***< 0.5***	***2***	***4***
TOTAL	**4**	**32**	**17**

Fresh Ginger Imports and Exports by Country

Imports by country (Tonnes)			
Year Ending June	2015	2016	2017
China	86	64	58
India	14	27	15
Fiji	28	17	13
Vietnam	19	18	12
Malaysia	7	8	11
Other	***31***	***10***	***12***
TOTAL	**186**	**145**	**120**

Exports by country (Tonnes)			
Year Ending June	2015	2016	2017
New Zealand	2	30	9
Canada	-	-	7
PNG	< 0.5	< 0.5	< 0.5
New Caledonia	< 0.5	-	< 0.5
Kiribati	< 0.5	< 0.5	< 0.5
Other	***1***	***2***	***< 0.5***
TOTAL	**4**	**32**	**17**

Source: GTA

Processed Ginger International Trade

For the year ending June 2017, less than **1 ton** of preserved ginger was imported, while **454 tonnes** were exported.

Preserved Imports

< 1t
$4,092

454t
$4.2m

Preserved Exports

Source: GTA

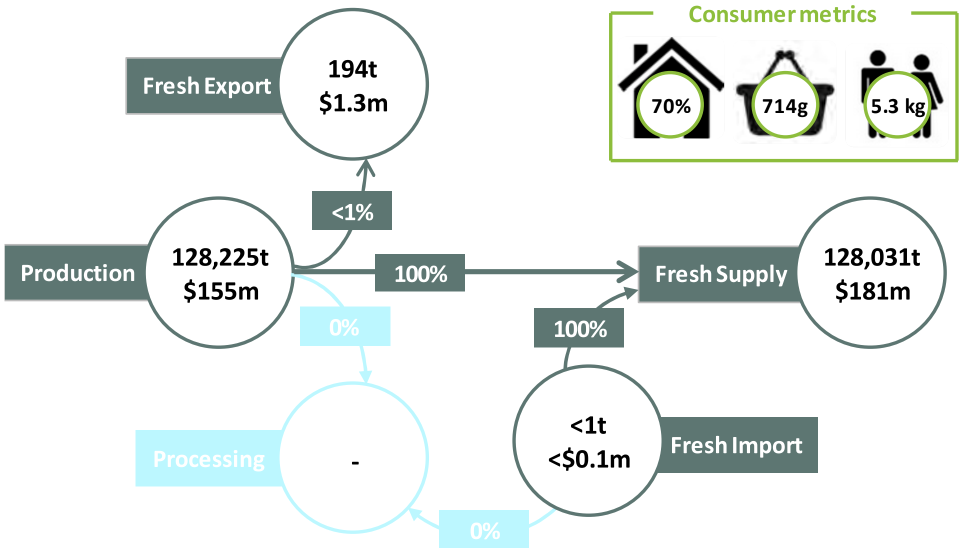
Fresh Head Lettuce Overview

Head lettuce refers to lettuce products that are typically sold in a headed form, such as iceberg, cos and oak lettuces. Fresh lettuce leaves predominantly sold loose are covered in ***Leafy Salad Vegetables*** on page ***352***. Head lettuces are typically grown close to the major population centres.

For the year ending June 2017:

- **128,225 t** was produced.
- The value of production was **$154.5 m** while the wholesale value of the fresh supply was **$180.5 m.**
- **70%** of Australian households purchased head lettuce, buying an average of **714 g** of head lettuce per shopping trip.
- The supply per capita was **5.3 kg**, based on the volume supplied.

Fresh Head Lettuce Supply Chain—Year Ending June 2017



Sources: ABS; AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Year Ending June	2015	2016		2017	
	Value	Value	% YoY	Value	% YoY
Production (t)	122,734	126,635	+3%	128,225	+1%
Production ($m)	$ 131.3	$ 145.5	+11%	$ 154.5	+6%
Production area (Ha)	*6,907*	*8,679*	+26%	-	-
Fresh Export Volume (t)	537	750	+40%	194	-74%
Fresh Export Value ($m)	$ 1.8	$ 2.0	+13%	$ 1.3	-38%
Fresh Import Volume (t)	3	-	-100%	<1	-
Fresh Import Value ($m)	< $0.1	$ -	-100%	< $0.1	-
Fresh Supply (t)	121,516	125,180	+3%	128,031	+2%
Fresh Supply Wholesale Value ($m)	$ 152.6	$ 169.0	+11%	$ 180.5	+7%
Supply per Capita (kg)	5.11	5.19	+2%	5.31	+2%

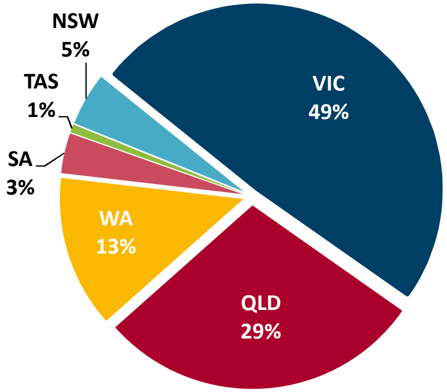
Sources: ABS; AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Major Head Lettuce Production Areas

Most head lettuce is grown close to the major population centres, across most states of Australia. Major production regions include the **Lockyer Valley** and **Darling Downs** regions in Queensland; the **Sydney Basin** in New South Wales; and the **Gippsland region** in Victoria.

Sources: AUSVEG

2016/17 Fresh Head Lettuce Production by State



Source: ABS

Fresh Head Lettuce Seasonality by State

State	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
New South Wales	5,976	Medium	Medium	Medium	Medium	Medium	Medium	High	High	Medium	Low	Low	Low
Victoria	62,790	Low	Medium	Medium	Medium	Medium	High	High	High	Medium	Medium	Medium	Low
Queensland	36,814	Low	Low	Medium	Medium	High	High	High	Medium	Medium	Medium	Low	Low
Western Australia	17,170	Low	Low	Medium	High	High	High	Medium	Medium	Low	Low	Low	Low
South Australia	4,540	Low	Low	Low	Medium	Medium	High	Medium	Low	Low	Low	Low	Low
Tasmania	935	Low	Low	Low	Medium	Medium	High	Medium	Low	Low	Low	Low	Low

Availability legend: High, Medium, Low, None

Source: AUSVEG

Main Head Lettuce Varieties

Although there are currently a number of varieties grown in Australia, production for the fresh market is dominated by 3 main varieties. These include:

Iceberg, a tight headed spherical head lettuce. Iceberg lettuce accounted for **75%** of fresh production for the year ending June 2017.

Cos, a tight bunched head lettuce. Cos lettuces accounted for **20%** of fresh production.

Oak, the most common loosely headed lettuce, accounted for **4%** of fresh production.

Other common loosely headed lettuces such as butter leaf, accounted for **1%** of fresh production.

Seasonality by Head Lettuce Variety

The seasonal availability of some major varieties is profiled in the table below.

Variety	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Iceberg	96,425	Low	Medium	Medium	High	High	High	High	High	Medium	Medium	Low	Low
Cos	25,389	Low	Medium	Medium	Medium	Medium	High	High	Medium	Low	Low	Low	Low
Oak	5,001	Low	Low	Medium	Medium	Medium	High	Medium	Low	Low	Low	Low	Low
Other Fancy	***1,410***	Low	Low	Low	Medium	High	High	Medium	Low	Low	Low	Low	Low

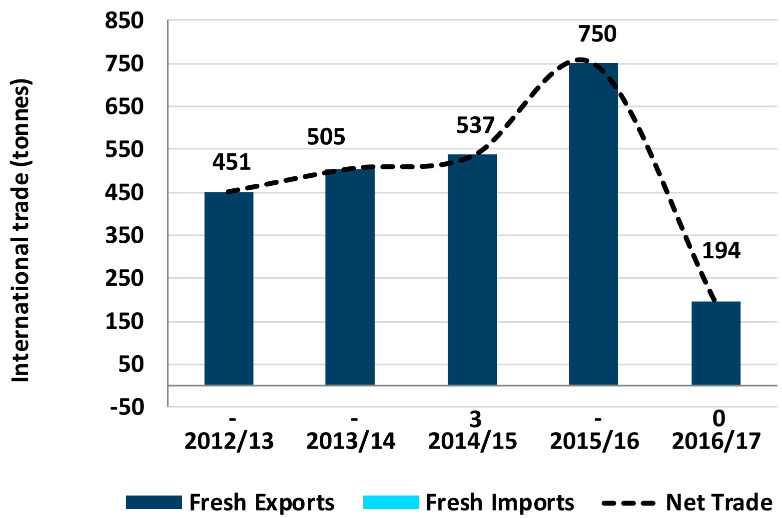
Availability legend: High, Medium, Low, None

Source: AUSVEG

Fresh Head Lettuce International Trade

Australia has a small trade in head lettuce. For the year ending June 2017, Australia exported **194 tonnes** of fresh head lettuce. The exports and imports over the last 5 financial years is profiled in the graph to the right, where imports are counted as negative tonnes.

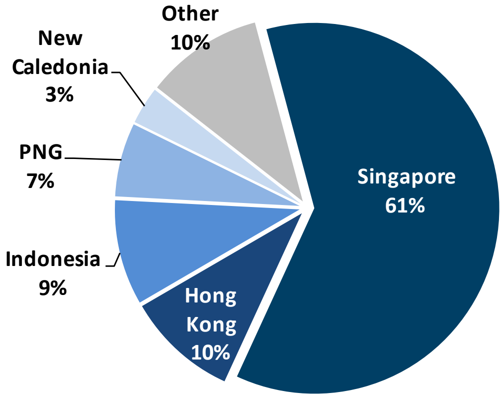
Net Fresh Head Lettuce International Trade



Source: GTA

For the year ending June 2017, **61%** of exported fresh head lettuce was sent to Singapore, as profiled in the chart below.

2015/16 Head Lettuce Exports by Country



Source: GTA

Fresh Head Lettuce Imports and Exports by State

Imports by state destination (Tonnes)				Exports by state of production origin (Tonnes)			
Year Ending June	2015	2016	2017	Year Ending June	2015	2016	2017
Victoria	-	-	< 0.5	New South Wales	150	190	67
New South Wales	3	-	-	Queensland	131	75	48
Other	-	-	***< 0.5***	Western Australia	8	7	30
TOTAL	**3**	**-**	**< 1**	Victoria	243	454	22
				South Australia	< 0.5	2	1
				Other	***5***	***22***	***26***
				TOTAL	**537**	**750**	**194**

Fresh Head Lettuce Imports and Exports by Country

Imports by country (Tonnes)				Exports by country (Tonnes)			
Year Ending June	2015	2016	2017	Year Ending June	2015	2016	2017
China	-	-	< 0.5	Singapore	204	440	118
New Zealand	3	-	-	Hong Kong	29	61	19
Other	-	-	***< 0.5***	Indonesia	150	178	18
TOTAL	**3**	**-**	**< 1**	PNG	49	8	13
				New Caledonia	7	8	6
				Other	***98***	***55***	***20***
				TOTAL	**537**	**750**	**194**

Source: GTA

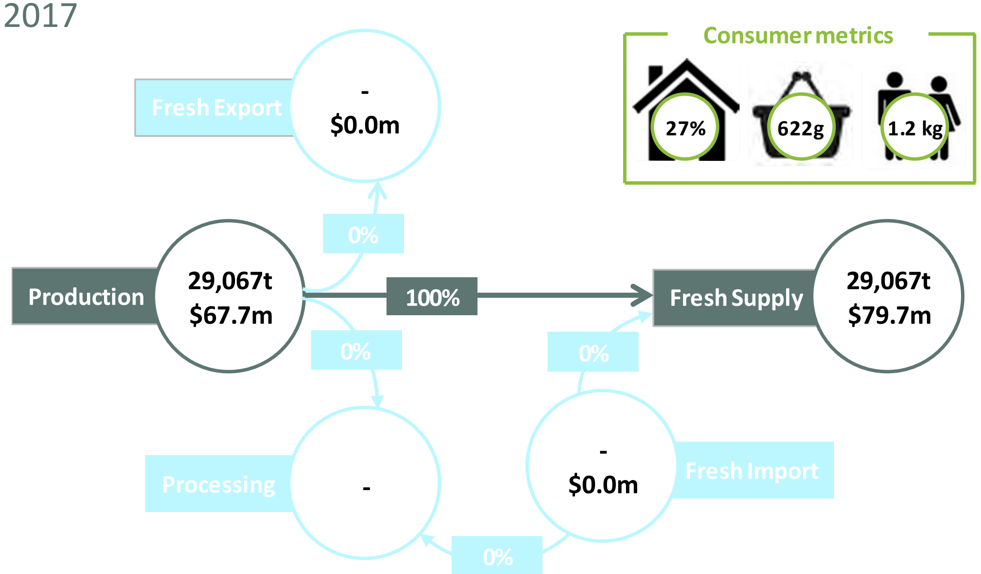
Fresh Leafy Asian Vegetables Overview

Leafy Asian vegetables covers a range of similar vegetables such as bok choy, pak choy, gai lan and wombok (Chinese cabbage). These varieties are sometimes referred to with different names. The most common name has been used in this report.

For the year ending June 2017:

- **29,067 t** was produced.
- The value of production was **$67.7 m** while the wholesale value of the fresh supply was **$79.7 m.**
- **27%** of Australian households purchased leafy Asian vegetables, buying an average of **622 g** of leafy Asian vegetables per shopping trip.
- The supply per capita was **1.2 kg**, based on the volume supplied.

Fresh Leafy Asian Vegetables Supply Chain—Year Ending June 2017



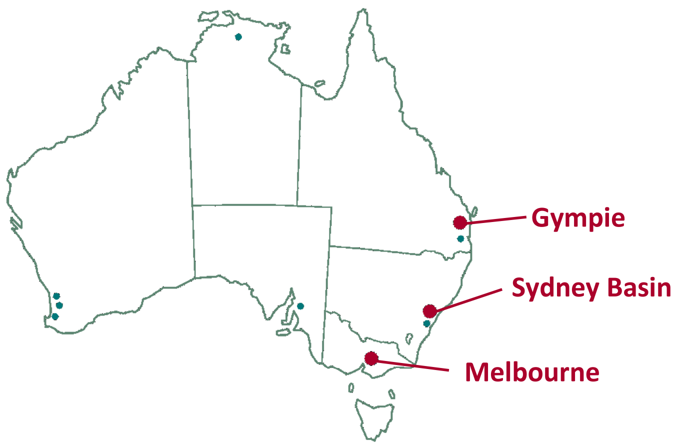
Sources: AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Year Ending June	2015	2016		2017	
	Value	Value	% YoY	Value	% YoY
Production (t)	27,176	28,310	+4%	29,067	+3%
Production ($m)	$ 62.5	$ 63.0	<1%	$ 67.7	+7%
Production area (Ha)	-	-	-	-	-
Fresh Export Volume (t)	-	-	-	-	-
Fresh Export Value ($m)	$ -	$ -	-	$ -	-
Fresh Import Volume (t)	-	-	-	-	-
Fresh Import Value ($m)	$ -	$ -	-	$ -	-
Fresh Supply (t)	26,946	28,310	+5%	29,067	+3%
Fresh Supply Wholesale Value ($m)	$ 73.5	$ 74.2	<1%	$ 79.7	+7%
Supply per Capita (kg)	1.13	1.17	+4%	1.21	+3%

Sources: AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Major Leafy Asian Vegetable Production Areas

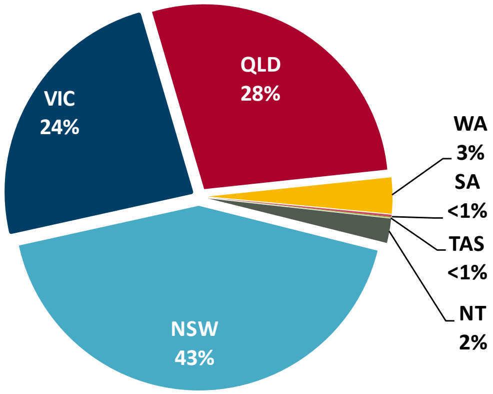
Most leafy Asian vegetables are grown close to the major population centres in market gardens, across most states of Australia. Major production regions include **Gympie** in Queensland; the **Sydney Basin** in New South Wales; and the **Melbourne region** in Victoria.



Source: AUSVEG

Leafy Asian Vegetables

2015/16 Leafy Asian Vegetables Production by State



Source: AUSVEG

Fresh Leafy Asian Vegetables Seasonality by State

State	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
New South Wales	12,399												
Victoria	6,944												
Queensland	8,107												
Western Australia	921												
South Australia	54												
Tasmania	25												
Northern Territory	618												
Availability legend			High		Medium		Low		None				

Source: AUSVEG

Main Leafy Asian Vegetable Varieties

There are a large number of fresh leafy Asian vegetables grown in Australia. Some of the major varieties include:

Pak Choy accounted for **28%** of fresh production for the year ending June 2017.

Bok Choy accounted for **15%** of fresh production for the year ending June 2017.

Choy Sum accounted for **5%** of fresh production for the year ending June 2017.

Baby Choy varieties accounted for **7%** of fresh production for the year ending June 2017.

Gai Lan, also known as Chinese broccoli, accounted for **4%** of fresh production for the year ending June 2017.

Wombok, also known as Chinese cabbage, accounted for **38%** of fresh production volume for the year ending June 2017.

Other varieties accounted for **3%** of fresh production.

Seasonality by Leafy Asian Vegetable Variety

The seasonal availability of some major varieties is profiled in the table below.

Variety	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Pak Choy	8,139												
Bok Choy	4,360												
Gai Lan	1,192												
Choy Sum	1,453												
Baby Choy	2,035												
Wombok	11,045												
Other	***843***												
Availability legend			High		Medium		Low		None				

Source: AUSVEG

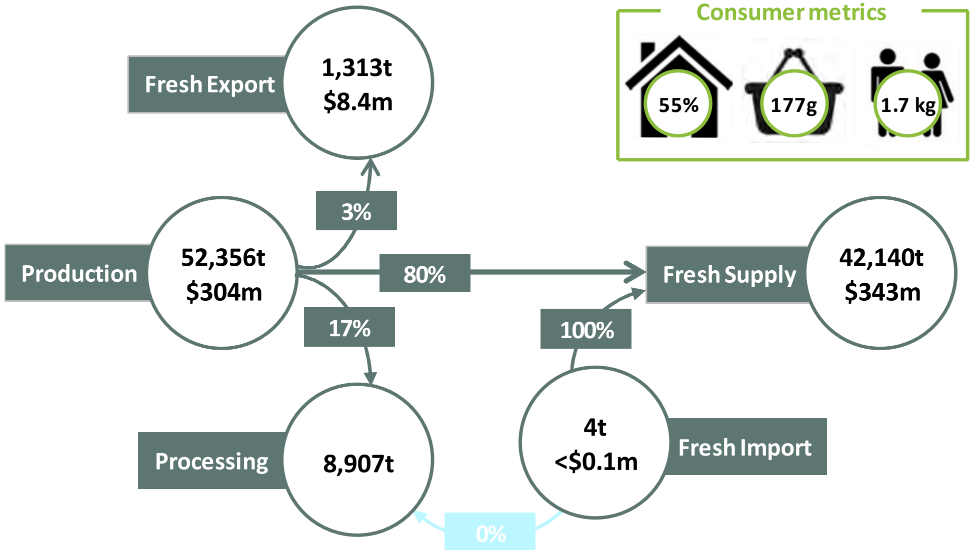
Fresh Leafy Salad Overview

Leafy salad vegetables refers to a number of varieties of leafy vegetables that are typically sold in a loose form, such as rocket and baby spinach. Approximately **17%** of the production of each leafy salad vegetable (including the root mass) is cut off before being sold. This has been included in the processing total below.

For the year ending June 2017:

- **52,356 t** was produced with **17%** cut off.
- The value of production was **$304.3 m** while the wholesale value of the fresh supply was **$343.2 m.**
- **55%** of Australian households purchased leafy salad vegetables, buying an average of **177 g** of leafy salad vegetables per shopping trip.
- The supply per capita was **1.7 kg**, based on the volume supplied.

Fresh Leafy Salad Supply Chain—Year Ending June 2017



Sources: AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Leafy Salad Vegetables

Year Ending June	2015	2016		2017	
	Value	Value	% YoY	Value	% YoY
Production (t)	52,688	49,126	-7%	52,356	+7%
Production ($m)	$ 304.3	$ 271.9	-11%	$ 304.3	+12%
Production area (Ha)	-	-	-	-	-
Fresh Export Volume (t)	765	922	+21%	1,313	+42%
Fresh Export Value ($m)	$ 4.0	$ 5.1	+29%	$ 8.4	+63%
Fresh Import Volume (t)	-	-	-	4	-
Fresh Import Value ($m)	$ -	$ -	-	< $0.1	-
Fresh Supply (t)	42,460	39,381	-7%	42,140	+7%
Fresh Supply Wholesale Value ($m)	$ 347.2	$ 308.6	-11%	$ 343.2	+11%
Supply per Capita (kg)	1.79	1.63	-9%	1.75	+7%

Sources: AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

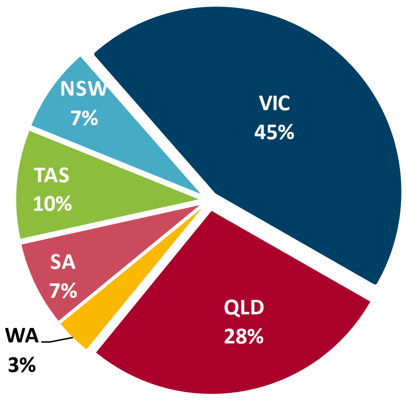
Major Leafy Salad Vegetable Production Areas

Most leafy salad vegetables are grown close to the major population centres, across most states of Australia. Major production regions include **Gatton** in Queensland; and **Bacchus Marsh** and the **Gippsland region** in Victoria.

Source: AUSVEG

Leafy Salad Vegetables

2016/17 Fresh Leafy Salad Vegetables Production by State



Source: AUSVEG

Fresh Leafy Salad Vegetables Seasonality by State

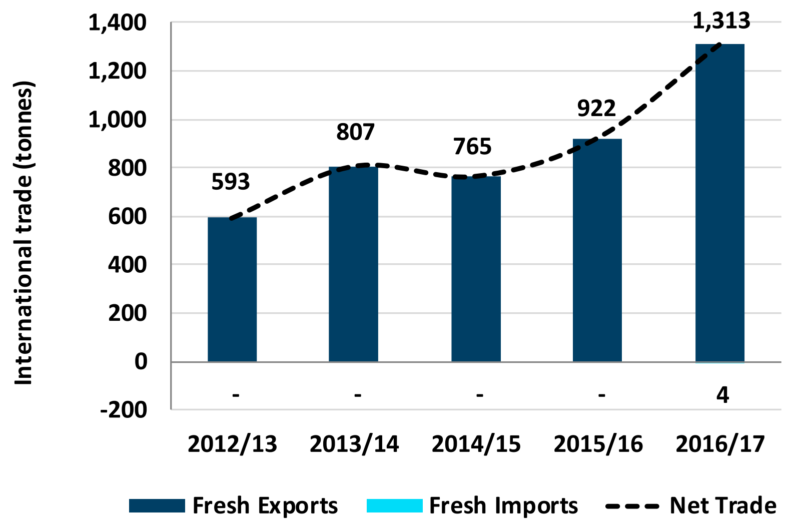
State	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
New South Wales	3,900												
Victoria	23,398												
Queensland	14,484												
Western Australia	1,660												
South Australia	3,900												
Tasmania	5,014												
Availability legend			High		Medium		Low		None				

Source: AUSVEG

Fresh Leafy Salad Vegetables International Trade

Australia is a net exporter of leafy salad vegetables. For the year ending June 2017, Australia exported **1,313 tonnes** of fresh leafy salad vegetables. The exports and imports over the last 5 financial years is profiled in the graph to the right, where imports are counted as negative tonnes.

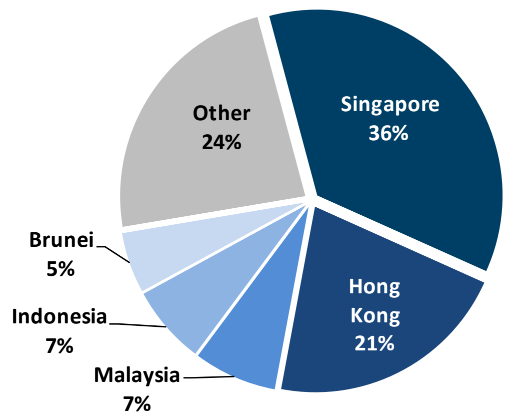
Net Fresh Leafy Salad Vegetables International Trade



Source: GTA

For the year ending June 2017, **36%** of exported fresh leafy salad vegetables were sent to Singapore, as profiled in the chart below.

2016/17 Fresh Leafy Salad Vegetables Exports by Country



Source: GTA

Leafy Salad Vegetables

Fresh Leafy Salad Vegetables Exports by State

Imports by state destination (Tonnes)			
Year Ending June	2015	2016	2017
New South Wales	-	-	4
TOTAL	**-**	**-**	**4**

Exports by state of production origin (Tonnes)			
Year Ending June	2015	2016	2017
Victoria	418	543	797
Queensland	153	212	290
New South Wales	84	90	137
Western Australia	109	76	87
South Australia	1	-	< 0.5
Other	***< 0.5***	***2***	***2***
TOTAL	**765**	**922**	**1,313**

Fresh Leafy Salad Vegetables Exports by Country

Imports by country (Tonnes)			
Year Ending June	2015	2016	2017
New Zealand	-	-	4
TOTAL	**-**	**-**	**4**

Exports by country (Tonnes)			
Year Ending June	2015	2016	2017
Singapore	251	317	471
Hong Kong	120	221	279
Malaysia	107	87	95
Indonesia	18	52	90
Brunei	69	46	69
Other	***200***	***200***	***308***
TOTAL	**765**	**922**	**1,313**

Source: GTA

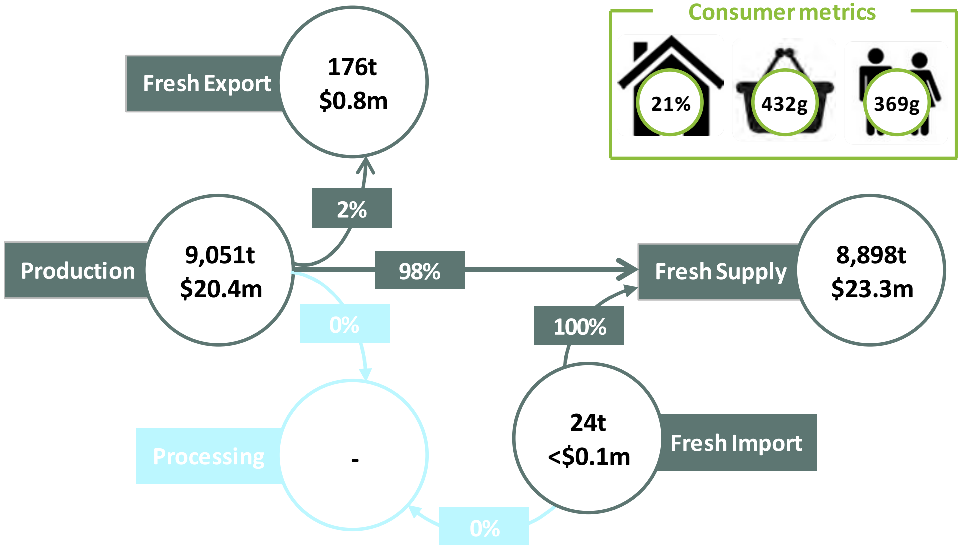
Fresh Leeks Overview

Leeks are grown predominantly in Victoria. Almost all of the leeks grown in Australia are destined for the fresh market.

For the year ending June 2017:

- **9,051 t** was produced.
- The value of production was **$20.4 m** while the wholesale value of the fresh supply was **$23.3 m.**
- **21%** of Australian households purchased leeks, buying an average of **432 g** of leeks per shopping trip.
- The supply per capita was **369 g**, based on the volume supplied.

Fresh Leeks Supply Chain—Year Ending June 2017



Sources: AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Year Ending June	2015	2016		2017	
	Value	Value	% YoY	Value	% YoY
Production (t)	9,166	9,379	+2%	9,051	-4%
Production ($m)	$ 19.9	$ 18.5	-7%	$ 20.4	+10%
Production area (Ha)	-	-	-	-	-
Fresh Export Volume (t)	109	149	+37%	176	+18%
Fresh Export Value ($m)	$ 0.4	$ 0.6	+56%	$ 0.8	+29%
Fresh Import Volume (t)	-	-	-	24	-
Fresh Import Value ($m)	< $0.1	$ -	-100%	< $0.1	-
Fresh Supply (t)	8,808	8,974	+2%	8,898	>-1%
Fresh Supply Wholesale Value ($m)	$ 22.9	$ 21.1	-8%	$ 23.3	+10%
Supply per Capita (kg)	0.37	0.37	<1%	0.37	>-1%

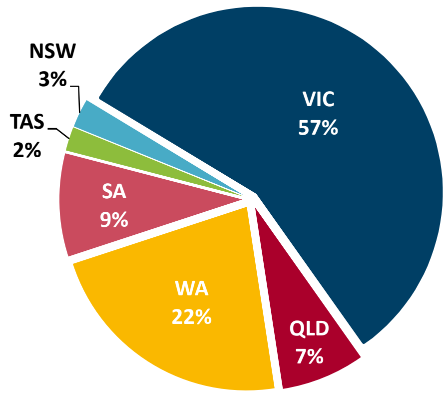
Sources: AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Major Leek Production Areas

Leeks are grown in most states of Australia, with the majority of production occurring in Victoria. The major production area is the **Devon Meadows region** in Victoria.

Source: AUSVEG

2016/17 Fresh Leeks Production by State



Source: AUSVEG

Fresh Leeks Seasonality by State

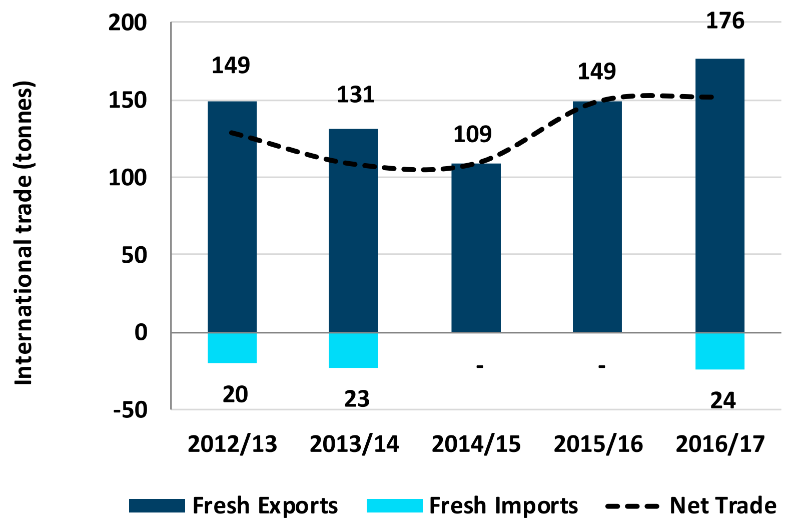
State	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
New South Wales	228												
Victoria	5,116												
Queensland	670												
Western Australia	2,027												
South Australia	821												
Tasmania	189												
Availability legend			High			Medium			Low			None	

Source: AUSVEG

Fresh Leeks International Trade

Australia has a small trade in leeks. For the year ending June 2017, Australia exported **176 tonnes** of fresh leeks. The exports and imports over the last 5 financial years is profiled in the graph to the right, where imports are counted as negative tonnes.

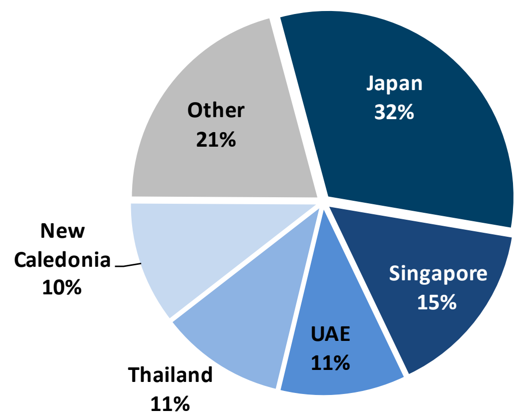
Net Fresh Leeks International Trade



Source: GTA

For the year ending June 2017, **32%** of exported fresh leeks were sent to Japan, as profiled in the chart below.

2016/17 Fresh Leeks Exports by Country



Source: GTA

Fresh Leeks Imports and Exports by State

Imports by state destination (Tonnes)			
Year Ending June	2015	2016	2017
Victoria	-	-	24
TOTAL	**-**	**-**	**24**

Exports by state of production origin (Tonnes)			
Year Ending June	2015	2016	2017
Victoria	48	111	140
Queensland	15	21	19
New South Wales	22	13	10
Western Australia	3	2	4
South Australia	< 0.5	2	2
Other	***20***	***< 0.5***	***< 0.5***
TOTAL	**109**	**149**	**176**

Fresh Leeks Imports and Exports by Country

Imports by country (Tonnes)			
Year Ending June	2015	2016	2017
China	-	-	24
TOTAL	**-**	**-**	**24**

Exports by country (Tonnes)			
Year Ending June	2015	2016	2017
Japan	18	57	56
Singapore	15	30	27
UAE	< 0.5	3	19
Thailand	7	5	19
New Caledonia	13	15	19
Other	***57***	***39***	***37***
TOTAL	**109**	**149**	**176**

Source: GTA

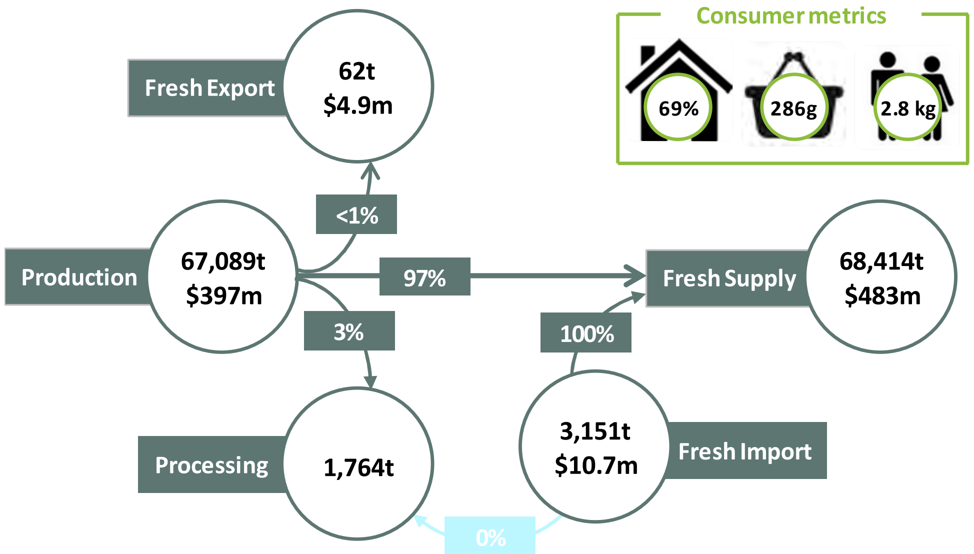
Fresh Mushrooms Overview

Mushrooms refer to a number of edible mushrooms grown for human consumption, including *agaricus bisporus* (button, cup, flat and brown mushrooms), as well as a number of exotic varieties including shiimeji and oyster mushrooms. Mushrooms are grown in most states of Australia, close to population centres.

For the year ending June 2017:

- **67,089 t** was produced with **3%** sent to processing.
- The value of production was **$396.6 m** while the wholesale value of the fresh supply was **$482.8 m.**
- **69%** of Australian households purchased mushrooms, buying an average of **286 g** of mushrooms per shopping trip.
- The supply per capita was **2.8 kg**, based on the volume supplied.

Fresh Mushrooms Supply Chain—Year Ending June 2017



Sources: AC; Australian Mushroom Growers Association (AMGA); CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Year Ending June	2015	2016		2017	
	Value	Value	% YoY	Value	% YoY
Production (t)	65,420	64,276	-2%	67,089	+4%
Production ($m)	$ 349.0	$ 353.2	+1%	$ 396.6	+12%
Production area (Ha)	*153*	*144*	-6%	-	-
Fresh Export Volume (t)	94	59	-37%	62	+6%
Fresh Export Value ($m)	$ 4.3	$ 4.1	-3%	$ 4.9	+17%
Fresh Import Volume (t)	2,384	2,508	+5%	3,151	+26%
Fresh Import Value ($m)	$ 8.0	$ 9.2	+15%	$ 10.7	+16%
Fresh Supply (t)	65,928	64,975	-1%	68,414	+5%
Fresh Supply Wholesale Value ($m)	$ 420.5	$ 426.9	+2%	$ 482.8	+13%
Supply per Capita (kg)	2.77	2.69	-3%	2.84	+5%

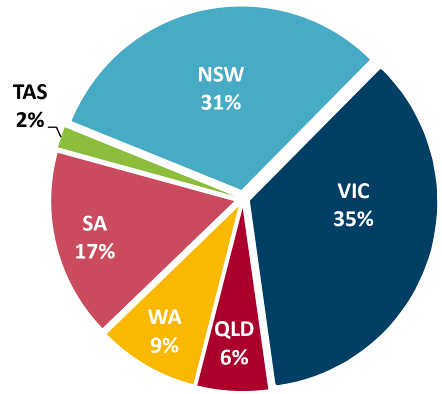
Sources: AC; AMGA; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Major Mushroom Production Areas

Mushrooms are grown in most states of Australia, close to population centres. The major production areas are near **Adelaide** in South Australia; **Melbourne Metro** in Victoria and the **Sydney Basin** in New South Wales.

Source: AMGA

2016/17 Fresh Mushrooms Production by State



Source: AMGA

Fresh Mushrooms Seasonality by State

State	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
New South Wales	20,998	Medium	Medium	Medium	Medium	Medium	Medium	Medium	Medium	Medium	Medium	Medium	Medium
Victoria	23,723	Medium	Medium	Medium	Medium	Medium	Medium	Medium	Medium	Medium	Medium	Medium	Medium
Queensland	4,169	Medium	Medium	Medium	Medium	Medium	Low	Low	Low	Medium	Medium	Medium	Medium
Western Australia	5,911	Medium	Medium	Medium	Medium	Low	Low	Low	Low	Low	Low	Low	Medium
South Australia	11,044	Medium	Medium	Medium	Medium	Medium	Medium	Medium	Medium	Medium	Medium	Medium	Medium
Tasmania	1,244	Medium	Medium	Medium	Low	Low	Low	Low	Low	Medium	Medium	Medium	Medium

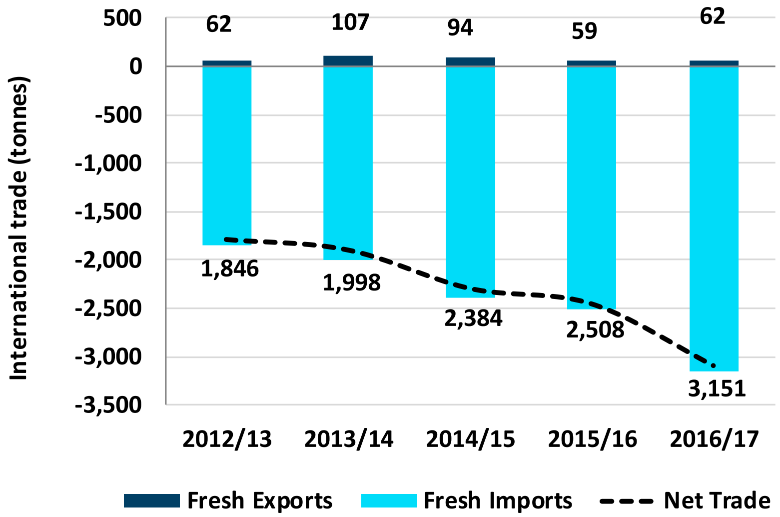
Availability legend: High | Medium | Low | None

Source: AMGA

Fresh Mushrooms International Trade

Australia is a net importer of fresh mushrooms. For the year ending June 2017, Australia imported **3,151 tonnes** of fresh mushrooms. The exports and imports over the last 5 financial years is profiled in the graph to the right, where imports are counted as negative tonnes. *Note: fresh mushrooms international trade includes truffles.*

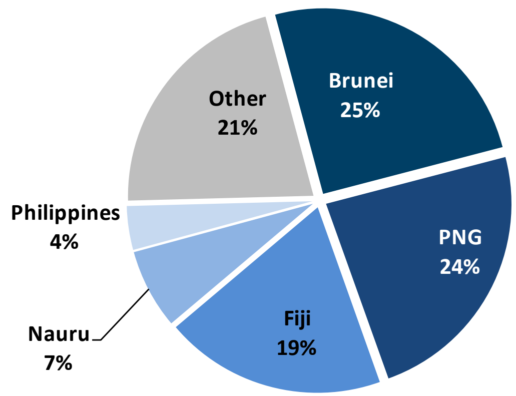
Net Fresh Mushrooms International Trade



Source: GTA

For the year ending June 2017, **25%** of exported fresh mushrooms were sent to Brunei, as profiled in the chart below.

2016/17 Fresh Mushrooms Export by Country



Source: GTA

Mushrooms

Fresh Mushrooms Imports and Exports by State

Imports by state destination (Tonnes)				Exports by state of production origin (Tonnes)			
Year Ending June	2015	2016	2017	Year Ending June	2015	2016	2017
New South Wales	1,385	1,348	1,607	Queensland	52	38	43
Victoria	845	977	1,260	Victoria	25	7	9
Western Australia	151	176	215	Western Australia	6	5	6
Queensland	2	7	68	New South Wales	10	8	4
South Australia	1	1	2	South Australia	< 0.5	< 0.5	< 0.5
Other	*-*	*- 0*	*-*	***Other***	***2***	***1***	***< 0.5***
TOTAL	**2,384**	**2,508**	**3,151**	**TOTAL**	**94**	**59**	**62**

Fresh Mushrooms Imports and Exports by Country

Imports by country (Tonnes)				Exports by country (Tonnes)			
Year Ending June	2015	2016	2017	Year Ending June	2015	2016	2017
Sth. Korea	1,823	2,033	2,561	Brunei	12	16	16
China	506	377	486	PNG	15	13	15
Spain	< 0.5	18	33	Fiji	2	7	12
Italy	7	30	20	Nauru	26	4	4
Taiwan	30	30	18	Philippines	5	3	2
Other	***18***	***20***	***33***	***Other***	***33***	***17***	***13***
TOTAL	**2,384**	**2,508**	**3,151**	**TOTAL**	**94**	**59**	**62**

Source: GTA

Processed Mushrooms International Trade

For the year ending June 2017, an additional **4,315 tonnes** of preserved mushrooms and **586 tonnes** of dried mushrooms were imported, while **41 tonnes** of preserved mushrooms and **21 tonnes** of dried mushrooms were exported.

Dried Imports
586t
$10.9m

Dried Exports
21t
$515,740

Preserved Imports
4,315t
$10.4m

Preserved Exports
41t
$364,139

Source: GTA

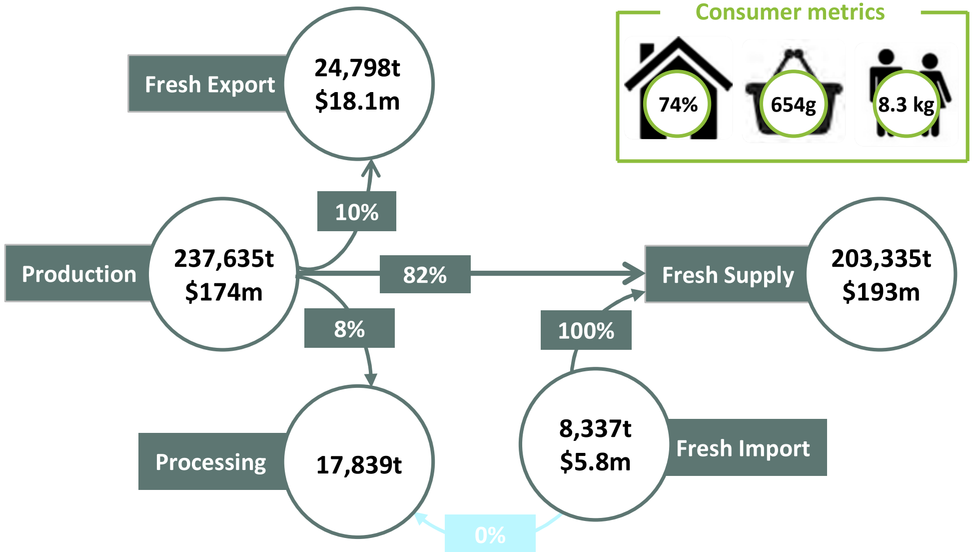
Fresh Onions Overview

Onions are grown across most states of Australia. Processed onions are typically dried and preserved.

For the year ending June 2017:

- **237,635 t** was produced with **8%** sent to processing.
- The value of production was **$174.2 m** while the wholesale value of the fresh supply was **$193.2 m.**
- **74%** of Australian households purchased onions, buying an average of **654 g** of onions per shopping trip.
- The supply per capita was **8.3 kg**, based on the volume supplied.

Fresh Onions Supply Chain—Year Ending June 2017



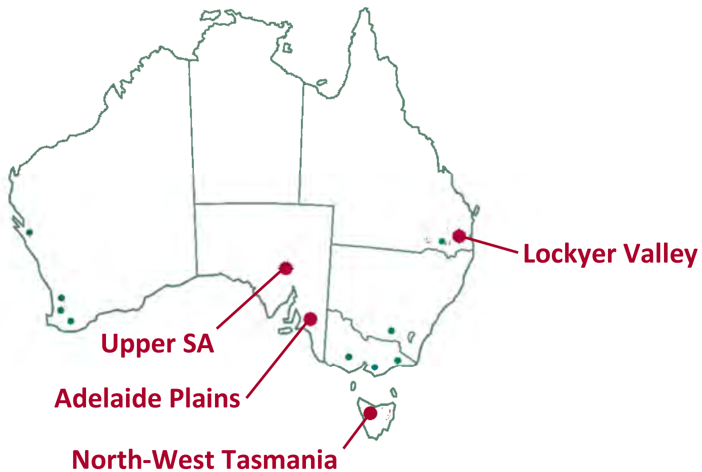
Sources: ABS; AC; CFVIWA; GTA; Onions Australia (OA); MP & DD (Freshlogic Analysis)

Year Ending June	2015	2016		2017	
	Value	Value	% YoY	Value	% YoY
Production (t)	231,465	260,674	+13%	237,635	-9%
Production ($m)	$ 135.5	$ 157.7	+16%	$ 174.2	+10%
Production area (Ha)	*5,986*	*4,707*	-21%	-	-
Fresh Export Volume (t)	39,431	43,888	+11%	24,798	-43%
Fresh Export Value ($m)	$ 22.3	$ 28.6	+28%	$ 18.1	-37%
Fresh Import Volume (t)	9,381	4,670	-50%	8,337	+79%
Fresh Import Value ($m)	$ 7.4	$ 4.4	-41%	$ 5.8	+34%
Fresh Supply (t)	185,466	204,381	+10%	203,335	>-1%
Fresh Supply Wholesale Value ($m)	$ 143.3	$ 159.4	+11%	$ 193.2	+21%
Supply per Capita (kg)	7.80	8.48	+9%	8.30	-2%

Sources: ABS; AC; CFVIWA; GTA; OA; MP & DD (Freshlogic Analysis)

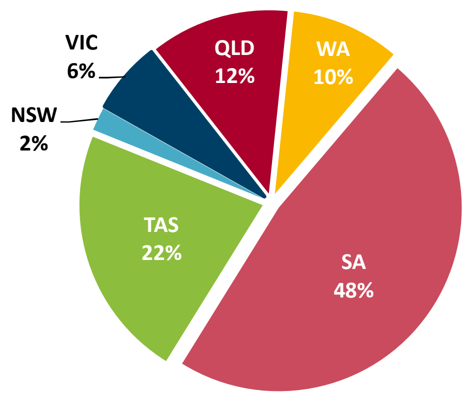
Major Onion Production Areas

Onions are grown in most states of Australia, with the majority of production occurring in South Australia and Tasmania. The major production areas include the **Lockyer Valley** in Queensland; **Upper South Australia** and the **Adelaide Plains** in South Australia; and in the **North-West region** of Tasmania.



Source: OA


2016/17 Fresh Onions Production by State



Source: ABS

Fresh Onions Seasonality by State

State	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
New South Wales	4,866												
Victoria	14,872												
Queensland	29,091												
Western Australia	22,744												
South Australia	113,133												
Tasmania	52,928												
Imported	8,337												
Availability legend			High		Medium		Low		None				

Source: OA

Main Onion Varieties

There are a number of onion varieties grown in Australia. Some of the major varieties include:

Brown onions accounted for **79%** of fresh production for the year ending June 2017.

Red onions accounted for **19%** of fresh production for the year ending June 2017.

White onions accounted for **1%** of fresh production for the year ending June 2017.

Shallots/Spring onions accounted for **<1%** of fresh production for the year ending June 2017.

Seasonality by Onion Variety

The seasonal availability of some major varieties is profiled in the table below.

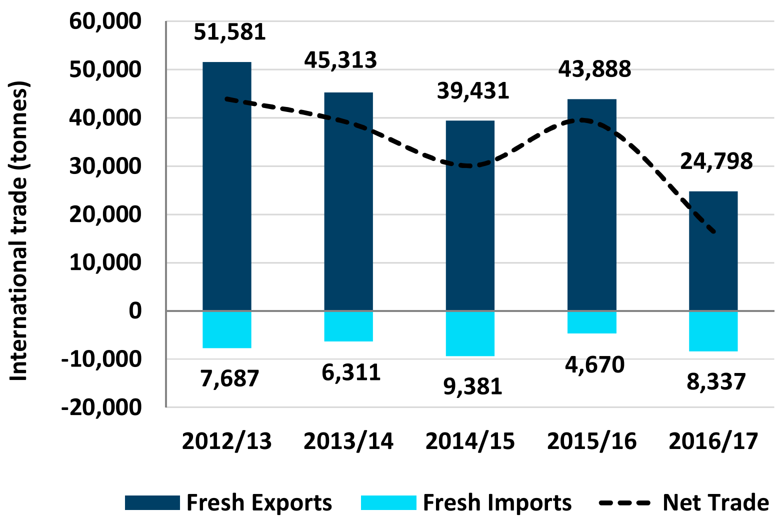
Variety	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Brown	174,455												
Red	42,178												
White	2,104												
Shallots/Spring	1,059												
Processing	***17,839***												
Availability legend			High		Medium		Low		None				

Source: OA

Fresh Onion International Trade

Australia is a net exporter of fresh onions. For the year ending June 2017, Australia exported **24,798 tonnes** of fresh onions. The exports and imports over the last 5 financial years is profiled in the graph below, where imports are counted as negative tonnes.

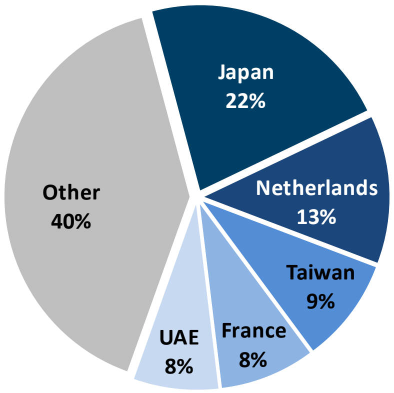
Net Fresh Onions International Trade



Source: GTA

For the year ending June 2017, **22%** of exported fresh onions were sent to Japan, as profiled in the chart below.

2016/17 Fresh Onions Exports by Country



Source: GTA

Fresh Onions Imports and Exports by State

Imports by state destination (Tonnes)				Exports by state of production origin (Tonnes)			
Year Ending June	2015	2016	2017	Year Ending June	2015	2016	2017
Victoria	3,146	1,701	3,168	Tasmania	31,188	29,658	13,709
Western Australia	3,235	1,522	2,302	Western Australia	747	1,950	5,242
New South Wales	2,586	1,267	2,288	South Australia	5,407	11,006	4,648
Queensland	243	180	474	Queensland	1,589	530	658
South Australia	171	-	105	Victoria	229	687	412
TOTAL	**9,381**	**4,670**	**8,337**	***Other***	***271***	***57***	***129***
				TOTAL	**39,431**	**43,888**	**24,798**

Fresh Onions Imports and Exports by Country

Imports by country (Tonnes)				Exports by country (Tonnes)			
Year Ending June	2015	2016	2017	Year Ending June	2015	2016	2017
China	2,908	2,273	5,687	Japan	3,862	4,365	5,470
US	5,343	1,568	1,944	Netherlands	2,550	2,212	3,191
Netherlands	366	346	603	Taiwan	1,415	1,819	2,247
New Zealand	727	2	99	France	730	1,771	2,044
Pakistan	6	4	4	UAE	2,323	2,463	1,828
Other	***32***	***477***	*-*	***Other***	***24,651***	***29,108***	***10,018***
TOTAL	**9,381**	**4,670**	**8,337**	**TOTAL**	**39,431**	**43,888**	**24,798**

Source: GTA

Processed Onions International Trade

For the year ending June 2017, an additional **3,665 tonnes** of dried onions and **1,177 tonnes** of preserved onions were imported, while **41 tonnes** of dried onions were exported.

Dried Imports	Dried Exports	Preserved Imports	Preserved Exports
3,665t	41t	1,177t	-
$13.9m	$240,779	$1.7m	$0.0m

Source: GTA

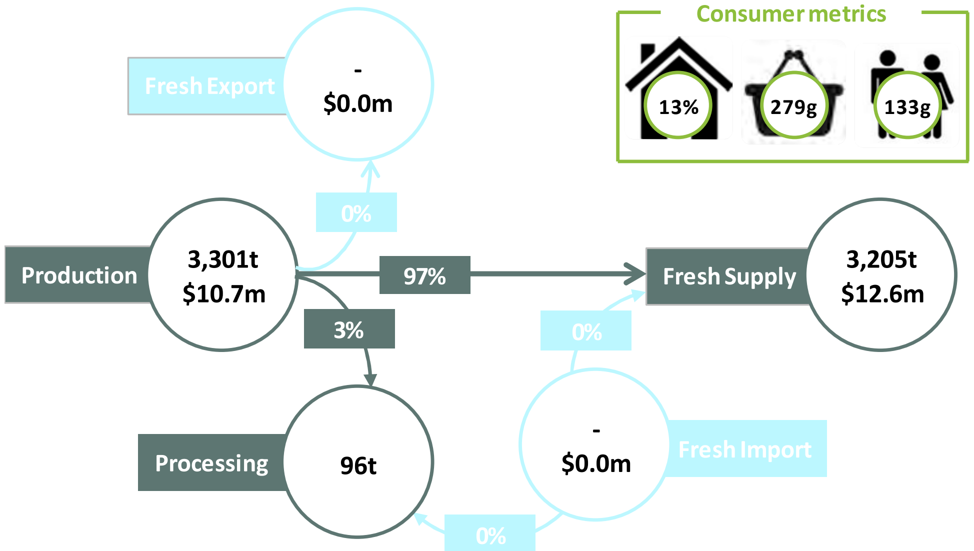
Fresh Parsnips Overview

Parsnips are grown across most states of Australia. Almost all of the parsnips grown in Australia are destined for the fresh market.

For the year ending June 2017:

- **3,301 t** was produced with **3%** sent to processing.
- The value of production was **$10.7 m** while the wholesale value of the fresh supply was **$12.6 m.**
- **13%** of Australian households purchased parsnips, buying an average of **279 g** of parsnips per shopping trip.
- The supply per capita was **133g**, based on the volume supplied.

Fresh Parsnips Supply Chain—Year Ending June 2017



Sources: AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Year Ending June	2015	2016		2017	
	Value	Value	% YoY	Value	% YoY
Production (t)	3,322	3,432	+3%	3,301	-4%
Production ($m)	$ 9.2	$ 9.1	>-1%	$ 10.7	+18%
Production area (Ha)	-	-	-	-	-
Fresh Export Volume (t)	-	-	-	-	-
Fresh Export Value ($m)	$ -	$ -	-	$ -	-
Fresh Import Volume (t)	-	-	-	-	-
Fresh Import Value ($m)	$ -	$ -	-	$ -	-
Fresh Supply (t)	3,322	3,332	<1%	3,205	-4%
Fresh Supply Wholesale Value ($m)	$ 10.8	$ 10.7	-1%	$ 12.6	+18%
Supply per Capita (kg)	0.14	0.14	-1%	0.13	-5%

Sources: AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

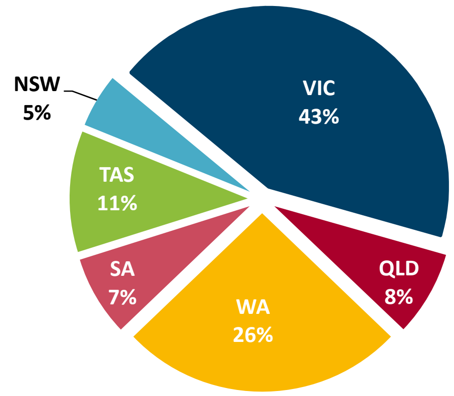
Major Parsnip Production Areas

Parsnips are grown across most states of Australia, with the majority of production occurring in Victoria. The major production areas include the **Perth region** in Western Australia; **North West region** in Tasmania; and the **Melbourne region** in Victoria.

Source: AUSVEG

Parsnips

2016/17 Fresh Parsnips Production by State



Source: AUSVEG

Fresh Parsnips Seasonality by State

State	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
New South Wales	162	High	Medium	Medium	Medium	Low	Low	Low	Low	Low	Medium	Medium	High
Victoria	1,432	High	High	Medium	Medium	Medium	Low	Low	Low	Medium	Medium	High	High
Queensland	256	High	Medium	Medium	Low	Low	Low	Low	Low	Low	Medium	Medium	High
Western Australia	848	Medium	Medium	Medium	Medium	Low	Low	Low	Low	Medium	Medium	Medium	High
South Australia	241	Medium	Medium	Medium	Low	Low	Low	Low	Low	Low	Medium	Medium	Medium
Tasmania	362	Medium	Medium	Low	Low	Low	Low	Low	Low	Low	Low	Medium	Medium

Availability legend: High | Medium | Low | None

Source: AUSVEG

Peas

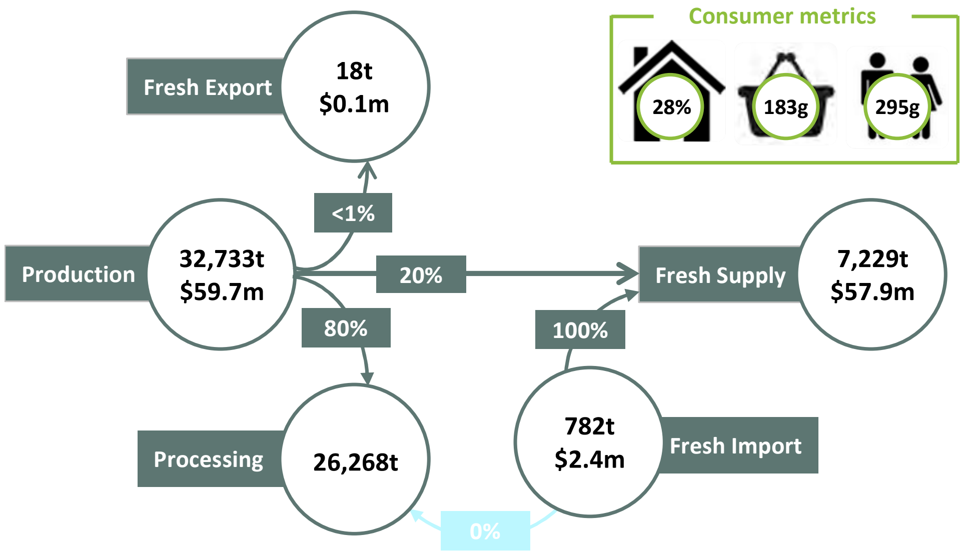
Fresh Peas Overview

Peas are grown across most states of Australia, with the majority of production occurring in Victoria and Queensland.

For the year ending June 2017:

- **32,733 t** was produced with **80%** sent to processing.
- The value of production was **$59.7 m** while the wholesale value of the fresh supply was **$57.9 m.**
- **28%** of Australian households purchased fresh peas, buying an average of **183 g** of peas per shopping trip.
- The supply per capita was **295 g**, based on the volume supplied.

Fresh Peas Supply Chain—Year Ending June 2017



Sources: AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Year Ending June	2015	2016		2017	
	Value	Value	% YoY	Value	% YoY
Production (t)	32,961	32,241	-2%	32,733	+2%
Production ($m)	$ 47.6	$ 55.2	+16%	$ 59.7	+8%
Production area (Ha)	-	-	-	-	-
Fresh Export Volume (t)	11	10	-7%	18	+79%
Fresh Export Value ($m)	< $0.1	< $0.1	<1%	$ 0.1	+65%
Fresh Import Volume (t)	629	570	-9%	782	+37%
Fresh Import Value ($m)	$ 2.1	$ 2.3	+9%	$ 2.4	+4%
Fresh Supply (t)	7,485	7,008	-6%	7,229	+3%
Fresh Supply Wholesale Value ($m)	$ 45.7	$ 52.1	+14%	$ 57.9	+11%
Supply per Capita (kg)	0.31	0.29	-8%	0.29	+1%

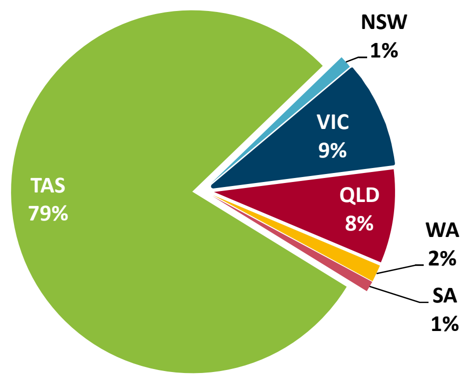
Sources: AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Major Pea Production Areas

Peas are grown in most states of Australia, with the majority of production occurring in Victoria and Queensland. The major production areas include **Bundaberg** and the **Lockyer Valley** in Queensland; the **Goulburn Valley** in Victoria; the **Perth region** in Western Australia and **North-West Tasmania**.

Source: AUSVEG

2016/17 Fresh Peas Production by State



Source: AUSVEG

Fresh Pea Seasonality by State

State	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
New South Wales	76												
Victoria	1,685												
Queensland	523												
Western Australia	582												
South Australia	2												
Tasmania	29,865												
Availability legend			High			Medium			Low			None	

Source: AUSVEG

Main Pea Varieties

The fresh market accounts for one third of all peas grown in Australia, comprising primarily of two varieties, while garden peas is the variety most commonly processed. These varieties include:

Snow peas, a flat pea with an edible pod and small peas inside, typically with a string that needs to be removed. Snow peas accounted for **83%** of fresh production.

Sugar snap peas, a rounder pea with an edible pod. They are a cross between snow peas and the garden pea. Sugar snap peas accounted for **13%** of fresh production.

Peas

Garden peas, a round pea with a firm pod, these peas are the variety that are most commonly used in processing (frozen and dried), although some enter the fresh market. Garden peas accounted for **1%** of fresh production.

Seasonality by Pea Variety

The seasonal availability of some major varieties is profiled in the table below.

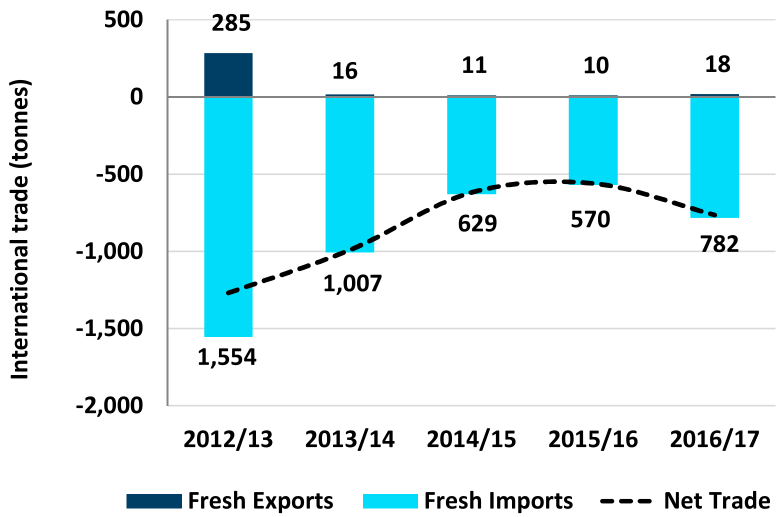
Variety	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Snow Peas	5,362												
Sugar Snap	1,021												
Garden/Processed	***26,350***												
Availability legend			High			Medium			Low			None	

Source: AUSVEG

Fresh Peas International Trade

Australia is a net importer of fresh peas, with only minimal exports. For the year ending June 2017, Australia imported **782 tonnes** of fresh peas. The exports and imports over the last 5 financial years is profiled in the graph below, where imports are counted as negative tonnes.

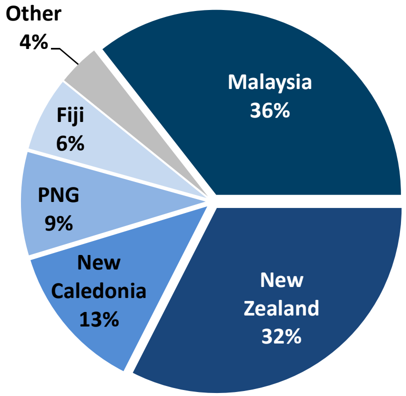
Net Fresh Peas International Trade



Source: GTA

For the year ending June 2017, **36%** of exported fresh peas were sent to Malaysia, as profiled in the chart below.

2016/17 Fresh Peas Exports by Country



Source: GTA

Fresh Peas Imports and Exports by State

Imports by state destination (Tonnes)			
Year Ending June	2015	2016	2017
New South Wales	204	193	342
Western Australia	236	224	290
Victoria	183	127	133
Queensland	6	26	17
TOTAL	**629**	**570**	**782**

Exports by state of production origin (Tonnes)			
Year Ending June	2015	2016	2017
Queensland	3	3	7
Victoria	1	2	5
New South Wales	2	2	< 0.5
South Australia	-	-	< 0.5
Western Australia	< 0.5	-	-
Other	***5***	***3***	***7***
TOTAL	**11**	**10**	**18**

Fresh Peas Imports and Exports by Country

Imports by country (Tonnes)			
Year Ending June	2015	2016	2017
China	489	440	452
Belgium	25	90	210
New Zealand	88	-	43
Italy	-	-	30
India	-	22	18
Other	***26***	***18***	***30***
TOTAL	**629**	**570**	**782**

Exports by country (Tonnes)			
Year Ending June	2015	2016	2017
Malaysia	5	< 0.5	7
New Zealand	-	-	6
New Caledonia	2	2	2
PNG	2	4	2
Fiji	1	1	1
Other	***2***	***3***	***1***
TOTAL	**11**	**10**	**18**

Source: GTA

Processed Peas International Trade

For the year ending June 2017, an additional **18,868 tonnes** of frozen peas and **1,950 tonnes** of preserved peas were imported, while **78 tonnes** of frozen peas and **93 tonnes** of preserved peas were exported.

Frozen Imports
18,868t
$26.9m

78t
$173,158
Frozen Exports

Preserved Imports
1,950t
$4.6m

93t
$249,153
Preserved Exports

Source: GTA

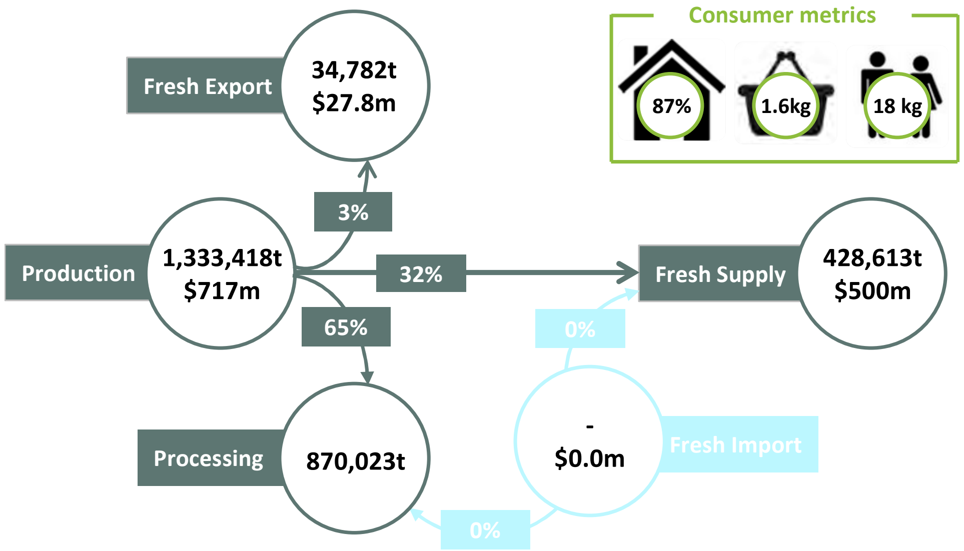
Potatoes Overview

Potatoes are grown across Australia, with the majority of production occurring in South Australia and Tasmania.

For the year ending June 2017:

- **1,333,418 t** was produced, with **65%** or **870,023 t** sent to processing.
- The value of production was **$717.0 m** while the wholesale value of the fresh supply was **$500 m.**
- **87%** of Australian households purchased potatoes, buying an average of **1.6 kg** of potatoes per shopping trip.
- The supply per capita was **18 kg**, based on the volume supplied.

Potatoes Supply Chain—Year Ending June 2017



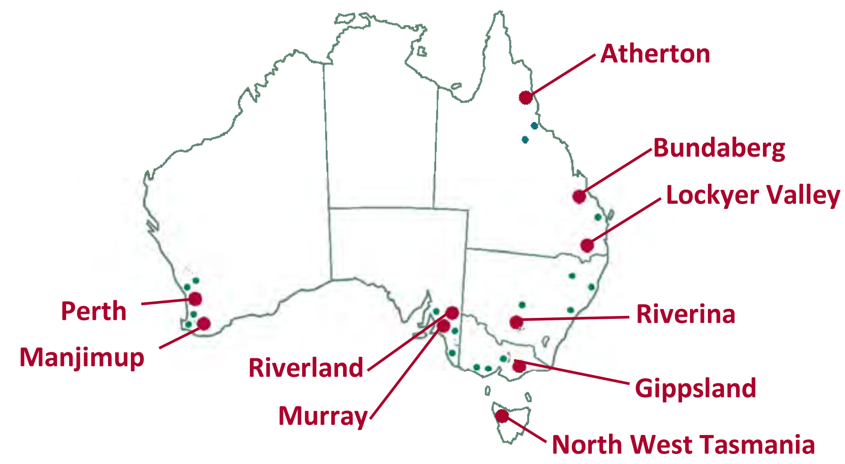
Sources: ABS; AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Year Ending June	2015	2016		2017	
	Value	Value	% YoY	Value	% YoY
Production (t)	1,332,772	1,343,019	<1%	1,333,418	>-1%
Production ($m)	$ 660.3	$ 659.7	>-1%	$ 717.0	+9%
Production area (Ha)	*29,414*	*27,968*	-5%	-	-
Fresh Export Volume (t)	23,024	37,212	+62%	34,782	-7%
Fresh Export Value ($m)	$ 17.9	$ 25.9	+45%	$ 27.8	+7%
Fresh Import Volume (t)	-	-	-	-	-
Fresh Import Value ($m)	$ -	$ -	-	$ -	-
Fresh Supply (t)	461,622	452,951	-2%	428,613	-5%
Fresh Supply Wholesale Value ($m)	$ 450.7	$ 440.0	-2%	$ 500.0	+14%
Supply per Capita (kg)	19.41	18.79	-3%	17.79	-5%

Sources: ABS; AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

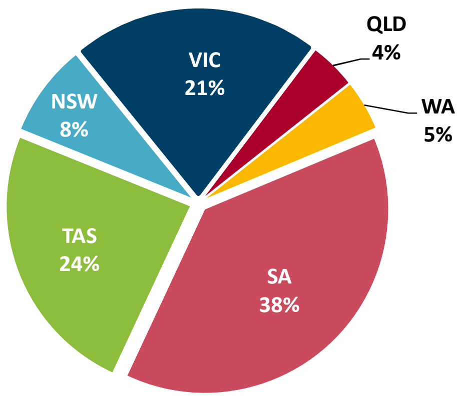
Major Potato Production Areas

Potatoes are grown across Australia. Major production areas include: the **Riverlands** and the **Murray region** in South Australia; **North West** region in Tasmania; the **Gippsland region** in Victoria; the **Riverina** in New South Wales; the **Lockyer Valley**, **Bundaberg** and **Atherton Tablelands** in Queensland; and **Manjimup** and the **Perth region** in Western Australia.



Source: AUSVEG

2016/17 Potatoes Production by State



Source: AUSVEG

Potatoes Seasonality by State

State	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
New South Wales	107,405	High	Medium	Medium	Medium	Medium	Low	Medium	Medium	High	High	High	High
Victoria	281,938	High	High	High	High	High	Medium	Medium	Medium	High	High	High	High
Queensland	53,702	High	Medium	Medium	Medium	Medium	Low	Low	Low	Medium	High	High	High
Western Australia	57,986	High	High	Medium	Medium	Medium	Low	Medium	Medium	High	High	High	High
South Australia	510,173	High	High	High	High	High	Medium	High	High	High	High	High	High
Tasmania	322,214	High	High	High	High	Medium	Medium	Medium	High	High	High	High	High

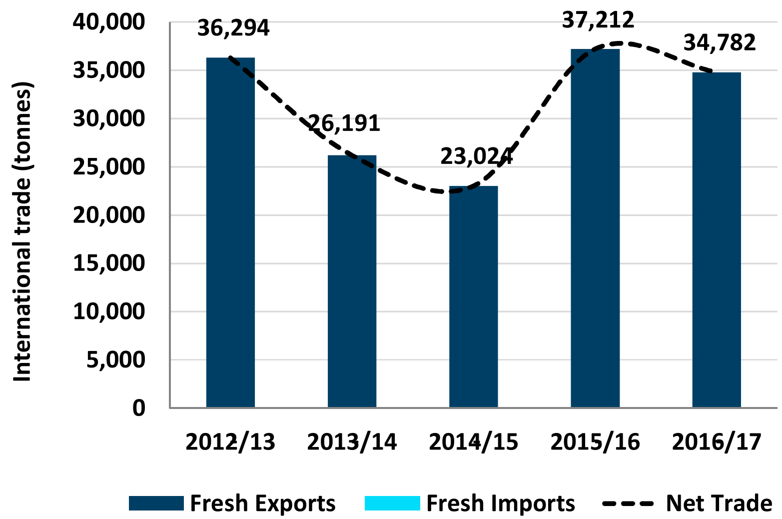
Availability legend: High, Medium, Low, None

Source: AUSVEG

Fresh Potatoes International Trade

Australia is a net exporter of fresh potatoes. For the year ending June 2017, Australia exported **34,782 tonnes** of fresh potatoes. The exports over the last 5 financial years is profiled in the graph below, where imports are counted as negative tonnes.

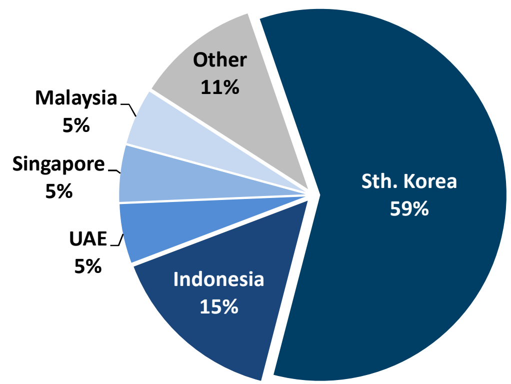
Net Fresh Potatoes International Trade



Source: GTA

For the year ending June 2017, **59%** of exported fresh potatoes were sent to South Korea, as profiled in the chart below.

2016/17 Fresh Potatoes Exports by Country



Source: GTA

Fresh Potatoes Imports and Exports by State

Exports by state of production origin (Tonnes)			
Year Ending June	2015	2016	2017
New South Wales	10	19	19
South Australia	9	15	12
Western Australia	1	2	2
Queensland	< 0.5	< 0.5	1
Victoria	3	1	< 0.5
Other	***< 0.5***	***< 0.5***	***< 0.5***
TOTAL	**23**	**37**	**35**

Fresh Potatoes Imports and Exports by Country

Exports by country (Tonnes)			
Year Ending June	2015	2016	2017
Sth. Korea	11	24	21
Indonesia	4	2	5
UAE	2	2	2
Singapore	2	2	2
Malaysia	1	2	2
Other	***3***	***5***	***4***
TOTAL	**23**	**37**	**35**

Source: GTA ***Note: Data expressed in '000 tonnes***

Processed Potatoes International Trade

For the year ending June 2017, an additional **146,833 tonnes** of frozen potatoes and **90 tonnes** of dried potatoes were imported, while **11,349 tonnes of frozen or preserved** potatoes were exported.

Frozen/Preserved Imports
146,833t
$183m

11,349t
$16.8m
Frozen/Preserved Exports

Dried Imports
90t
$207,233

-
$0.0m
Dried Exports

Source: GTA

Potatoes

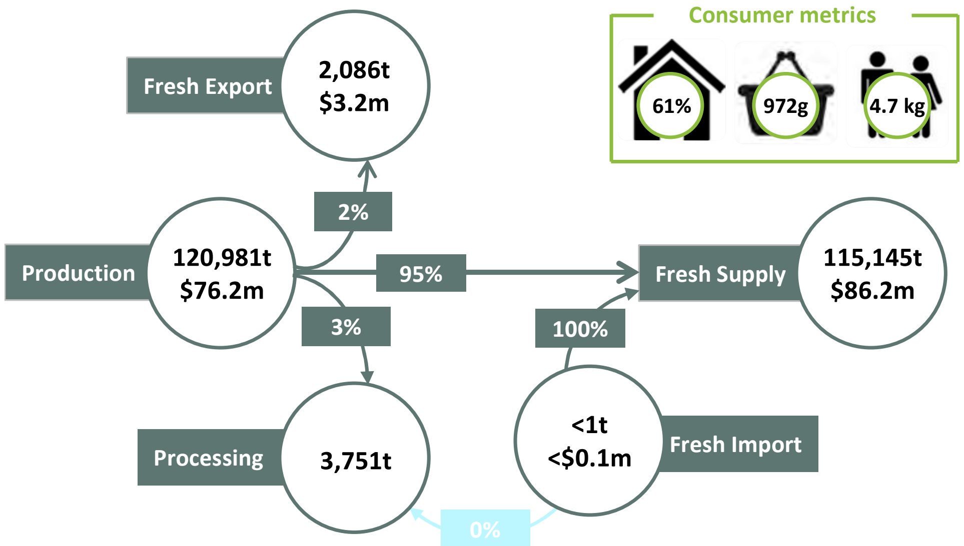
Fresh Pumpkins Overview

Pumpkins are grown in many states of Australia, with the majority of production occurring in New South Wales and Queensland.

For the year ending June 2017:

- **120,981 t** was produced with **3%** sent to processing.
- The value of production was **$76.2 m** while the wholesale value of the fresh supply was **$86.2 m.**
- **61%** of Australian households purchased pumpkins, buying an average of **972 g** of pumpkins per shopping trip.
- The supply per capita was **4.7 kg**, based on the volume supplied.

Fresh Pumpkins Supply Chain—Year Ending June 2017



Sources: ABS; AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Pumpkins

Year Ending June	2015	2016		2017	
	Value	Value	% YoY	Value	% YoY
Production (t)	117,994	115,492	-2%	120,981	+5%
Production ($m)	$ 58.0	$ 68.2	+18%	$ 76.2	+12%
Production area (Ha)	-	*5,090*	-	-	-
Fresh Export Volume (t)	1,728	1,869	+8%	2,086	+12%
Fresh Export Value ($m)	$ 2.3	$ 2.9	+28%	$ 3.2	+10%
Fresh Import Volume (t)	2	2	+38%	<1	-67%
Fresh Import Value ($m)	< $0.1	< $0.1	+69%	< $0.1	-49%
Fresh Supply (t)	113,053	110,480	-2%	115,145	+4%
Fresh Supply Wholesale Value ($m)	$ 65.8	$ 77.1	+17%	$ 86.2	+12%
Supply per Capita (kg)	4.75	4.58	-4%	4.70	+3%

Sources: ABS; AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

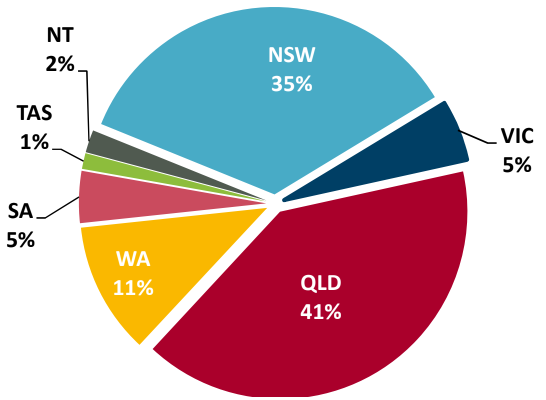
Major Pumpkin Production Areas

Pumpkins are grown across Australia. Major production areas include the **Murrumbidgee region** in New South Wales; **Bundaberg** and the **Darling Downs region** in Queensland; and the **Northern region** of Victoria.

Source: AUSVEG

Pumpkins

2016/17 Fresh Pumpkin Production by State



Source: AUSVEG

Fresh Pumpkins Seasonality by State

State	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
New South Wales	42,592												
Victoria	6,309												
Queensland	48,863												
Western Australia	13,758												
South Australia	5,435												
Tasmania	1,659												
Northern Territory	2,364												
Availability legend			High			Medium			Low			None	

Source: AUSVEG

Main Pumpkin Varieties

There are large number of pumpkin varieties grown in Australia for the fresh market. Some of the major varieties include:

Kent, also known as Jap pumpkins, an oval pumpkin with mottled green skin. Kent pumpkins accounted for **50%** of fresh production for the year ending June 2017.

Butternut, a long pumpkin with a creamy yellow skin. Butternut pumpkins accounted for **31%** of fresh production for the year ending June 2017.

Queensland blue, also known as Grey pumpkins, a squat pumpkin with a blueish grey skin colour, Queensland blue pumpkins accounted for **17%** of fresh production for the year ending June 2017.

Other varieties accounted for **2%** of fresh production.

Fresh Pumpkins Seasonality by Variety

The seasonal availability of some major varieties is profiled in the table below.

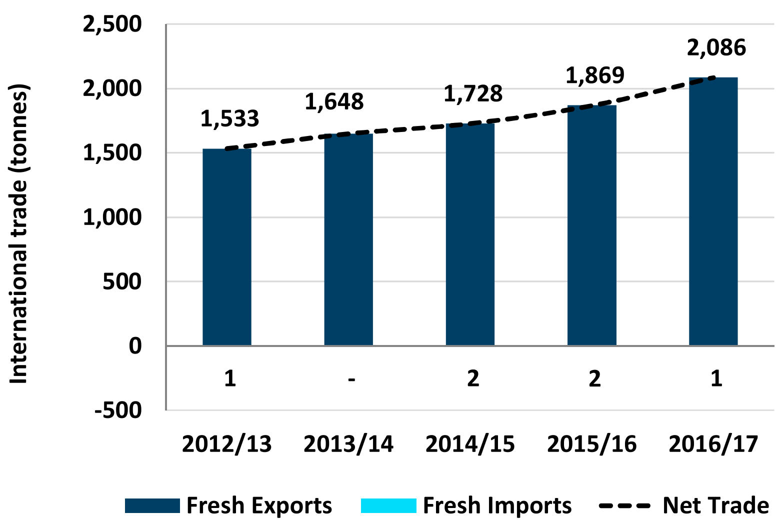
Variety	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Jap/Kent	58,615												
Butternut	36,341												
Grey	19,929												
Processing	***3,751***												
Other	***2,345***												
Availability legend			High			Medium			Low			None	

Source: AUSVEG

Fresh Pumpkins International Trade

Australia is a net exporter of fresh pumpkin, with only minimal imports. For the year ending June 2017, Australia imported **2,086 tonnes** of fresh pumpkin. The exports and imports over the last 5 financial years is profiled in the graph over the page, where imports are counted as negative tonnes.

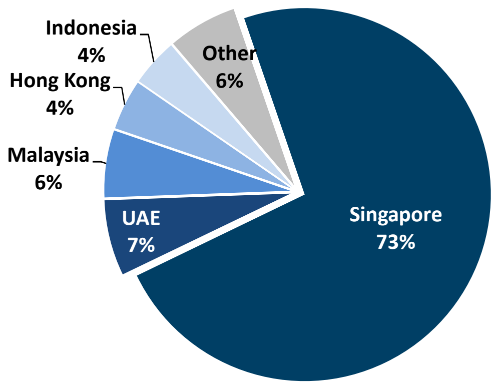
Net Fresh Pumpkins International Trade



Source: GTA

For the year ending June 2017, **73%** of exported fresh pumpkins were sent to Singapore, as profiled in the chart below.

2016/17 Fresh Pumpkins Exports by Country



Source: GTA

Fresh Pumpkins Imports and Exports by State

Imports by state destination (Tonnes)			
Year Ending June	2015	2016	2017
New South Wales	2	2	1
Western Australia	-	< 0.5	-
Other	-	***< 0.5***	-
TOTAL	**2**	**2**	**1**

Exports by state of production origin (Tonnes)			
Year Ending June	2015	2016	2017
Queensland	1,035	1,013	985
Victoria	258	379	531
New South Wales	380	316	300
South Australia	23	131	142
Western Australia	21	11	57
Other	***11***	***19***	***71***
TOTAL	**1,728**	**1,869**	**2,086**

Fresh Pumpkins Imports and Exports by Country

Imports by country (Tonnes)			
Year Ending June	2015	2016	2017
Bangladesh	2	2	1
India	-	< 0.5	-
Other	-	***< 0.5***	-
TOTAL	**2**	**2**	**1**

Exports by country (Tonnes)			
Year Ending June	2015	2016	2017
Singapore	1,249	1,349	1,525
UAE	187	175	137
Malaysia	68	90	121
Hong Kong	80	89	91
Indonesia	56	96	86
Other	***88***	***70***	***125***
TOTAL	**1,728**	**1,869**	**2,086**

Source: GTA

Sweet Corn

Fresh Sweet Corn Overview

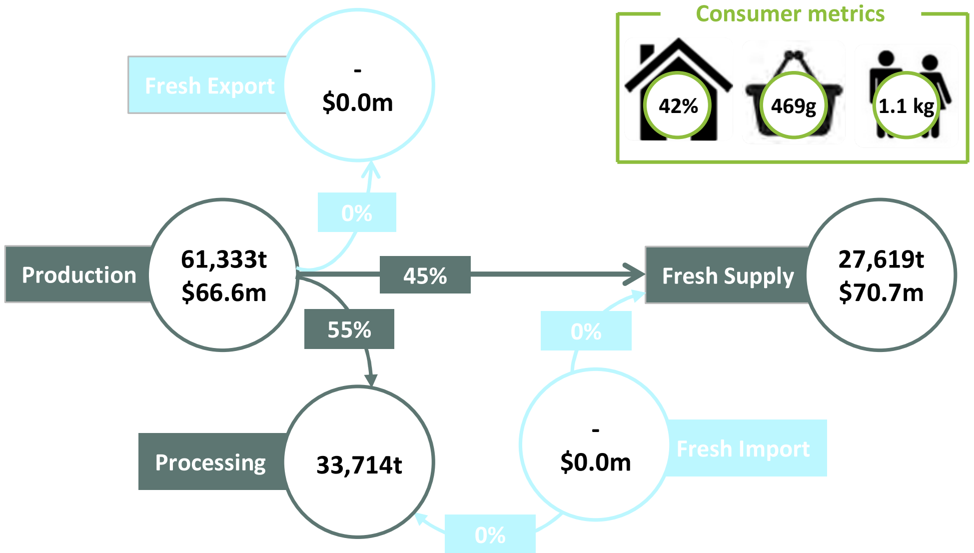
Sweet corn refers to the sweet variety of corn that is grown for direct human consumption, and does not include maize or other similar broad acre corn crops.

The majority of production occurs in New South Wales and Queensland.

For the year ending June 2017:

- **61,333 t** was produced with **55%** sent to processing.
- The value of production was **$66.6 m** while the wholesale value of the fresh supply was **$70.7 m.**
- **42%** of Australian households purchased fresh sweet corn, buying an average of **469 g** of sweet corn per shopping trip.
- The supply per capita was **1.1 kg**, based on the volume supplied.

Fresh Sweet Corn Supply Chain—Year Ending June 2017



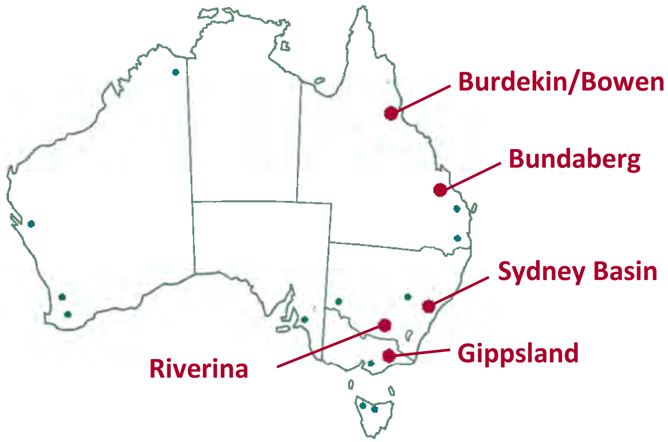
Sources: ABS; AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Year Ending June	2015	2016		2017	
	Value	Value	% YoY	Value	% YoY
Production (t)	62,019	59,642	-4%	61,333	+3%
Production ($m)	$ 66.7	$ 65.7	-1%	$ 66.6	+1%
Production area (Ha)	-	*7,956*	-	-	-
Fresh Export Volume (t)	-	-	-	-	-
Fresh Export Value ($m)	$ -	$ -	-	$ -	-
Fresh Import Volume (t)	-	-	-	-	-
Fresh Import Value ($m)	$ -	$ -	-	$ -	-
Fresh Supply (t)	28,190	27,359	-3%	27,619	<1%
Fresh Supply Wholesale Value ($m)	$ 71.0	$ 70.0	-1%	$ 70.7	<1%
Supply per Capita (kg)	1.19	1.13	-4%	1.13	>-1%

Sources: ABS; AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

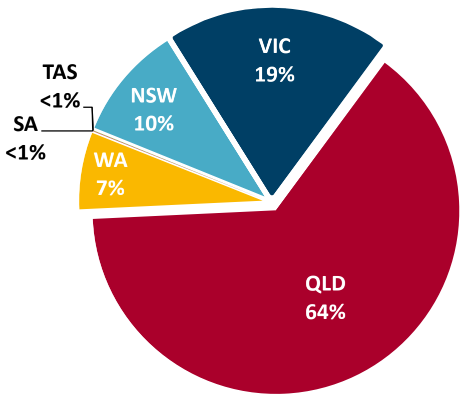
Major Sweet Corn Production Areas

Sweet corn is grown across Australia. Major production areas include the **Riverina** and **Sydney Basin region** in New South Wales; **Bundaberg** and the **Burdekin/ Bowen region** in Queensland; and **Gippsland region** of Victoria.



Source: AUSVEG

2016/17 Fresh Sweet Corn Production by State



Sources: ABS

Fresh Sweet Corn Seasonality by State

State	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
New South Wales	6,122												
Victoria	11,663												
Queensland	39,348												
Western Australia	4,153												
South Australia	22												
Tasmania	25												
Availability legend			High		Medium		Low		None				

Sources: AUSVEG

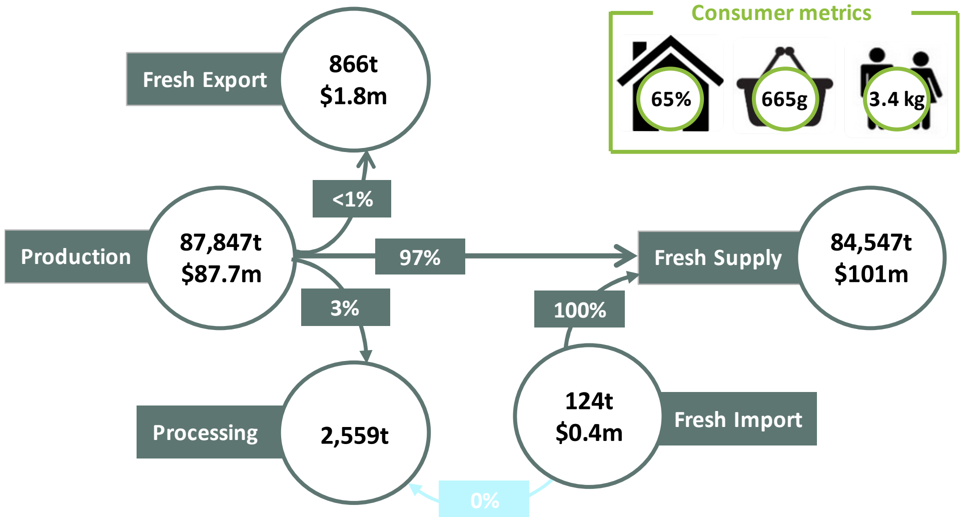
Fresh Sweetpotatoes Overview

The majority of sweetpotatoes grown in Australia are produced in Queensland, with smaller volumes grown in Western Australia, northern New South Wales and the Northern Territory.

For the year ending June 2017:

- **87,847 t** was produced with **3%** sent to processing.
- The value of production was **$87.7 m** while the wholesale value of the fresh supply was **$101.3 m.**
- **65%** of Australian households purchased sweetpotatoes, buying an average of **665 g** of sweetpotatoes per shopping trip.
- The supply per capita was **3.45 kg**, based on the volume supplied.

Fresh Sweetpotatoes Supply Chain—Year Ending June 2017



Sources: AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

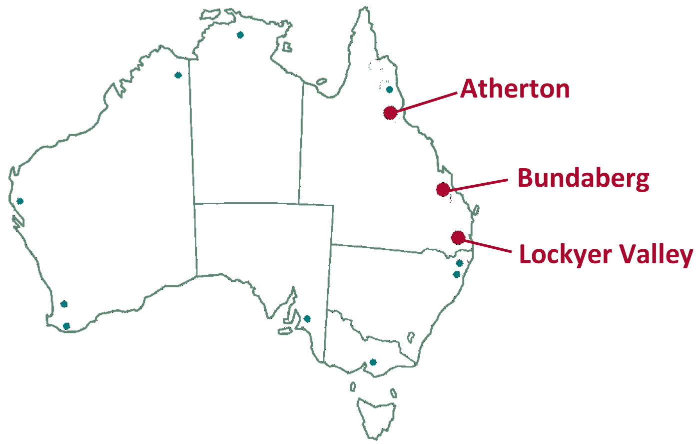
Year Ending June	2015	2016		2017	
	Value	Value	% YoY	Value	% YoY
Production (t)	69,444	76,388	+10%	87,847	+15%
Production ($m)	$ 81.6	$ 58.1	-29%	$ 87.7	+51%
Production area (Ha)	-	-	-	-	-
Fresh Export Volume (t)	755	739	-2%	866	+17%
Fresh Export Value ($m)	$ 1.3	$ 0.9	-26%	$ 1.8	+89%
Fresh Import Volume (t)	38	82	>100%	124	+52%
Fresh Import Value ($m)	$ 0.2	$ 0.5	>100%	$ 0.4	-22%
Fresh Supply (t)	67,033	73,680	+10%	84,547	+15%
Fresh Supply Wholesale Value ($m)	$ 94.6	$ 67.3	-29%	$ 101.3	+51%
Supply per Capita (kg)	2.82	3.06	+8%	3.45	+13%

Sources: AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Note: Production volumes has been modified from the quoted volumes published in the previous editions of the handbook (2015/16 edition).

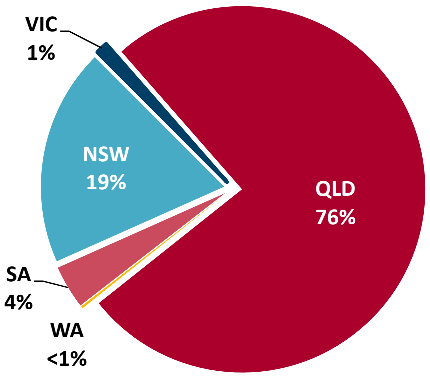
Major Sweetpotato Production Areas

Sweetpotatoes are grown predominantly in Queensland. Major production areas include the **Atherton Tablelands**, **Bundaberg** and the **Lockyer Valley** in Queensland.



Source: AUSVEG

2016/17 Fresh Sweetpotatoes Production by State



Source: AUSVEG

Fresh Sweetpotatoes Seasonality by State

State	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
New South Wales	16,863												
Victoria	888												
Queensland	66,563												
Western Australia	161												
South Australia	3,373												
Availability legend			High		Medium		Low			None			

Source: AUSVEG

Main Sweetpotato Varieties

There are four main sweet potato varieties grown in Australia for the fresh market. These varieties include:

Gold sweetpotatoes, also known as the Beauregard which has a rose/gold smooth skin with a moderate deep orange flesh. Gold sweetpotatoes accounted for **90%** of fresh production.

Red sweetpotatoes, also known as Northern Star which has a red purple skin, with bright white flesh. Red sweetpotatoes accounted for **7%** of fresh production.

Sweetpotatoes

Purple sweetpotatoes, has white skin, with white and purple flesh. Purple sweet potatoes accounted for **2%** of fresh production.

White sweetpotatoes, also known as Kestle which has a white skin, with white flesh. White sweetpotatoes accounted for **1%** of fresh production.

Seasonality by Sweetpotato variety

The seasonal availability of some major varieties is profiled in the table below.

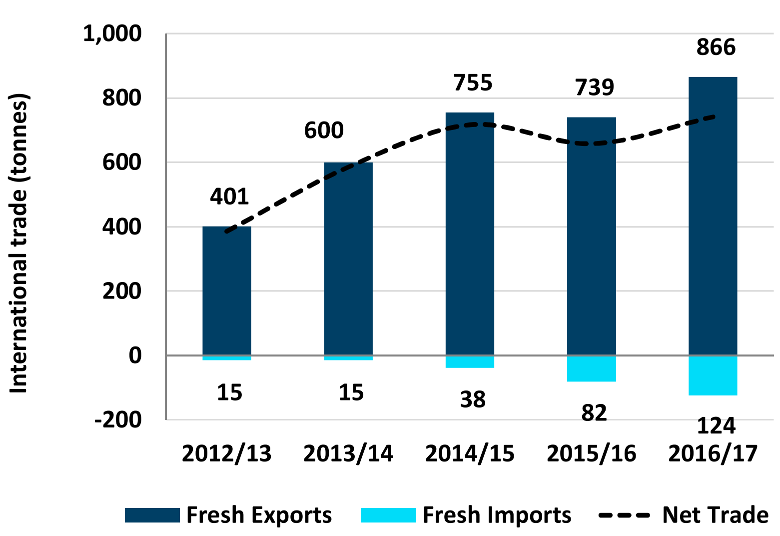
Variety	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Gold	79,062												
Red	6,149												
Purple	1,757												
White	878												
Availability legend			High		Medium		Low			None			

Source: AUSVEG

Fresh Sweetpotato International Trade

Australia is a net exporter of fresh sweetpotatoes, with smaller amounts of imports. For the year ending June 2017, Australia exported **866 tonnes** of fresh sweetpotatoes. The exports and imports over the last 5 financial years is profiled in the graph over the page, where imports are counted as negative tonnes.

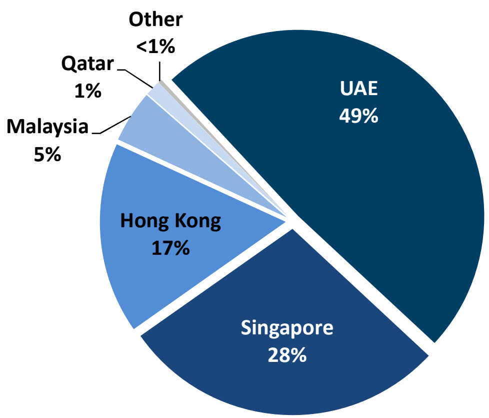
Net Fresh Sweetpotatoes International Trade



Source: GTA

For the year ending June 2017, **49%** of exported fresh sweetpotatoes were sent to the United Arab Emirates (UAE), as profiled in the chart below.

2016/17 Fresh Sweetpotatoes Exports by Country



Source: GTA

Fresh Sweetpotatoes Imports and Exports by State

Imports by state destination (Tonnes)			
Year Ending June	2015	2016	2017
New South Wales	11	12	99
Queensland	-	< 0.5	22
Victoria	28	69	17
Western Australia	-	-	< 0.5
Other	-	***< 0.5***	***< 0.5***
TOTAL	**38**	**82**	**138**

Exports by state of production origin (Tonnes)			
Year Ending June	2015	2016	2017
Queensland	612	604	567
Victoria	38	43	185
New South Wales	81	87	91
Northern Territory	-	-	2
South Australia	2	4	1
Other	***22***	***1***	***19***
TOTAL	**755**	**739**	**866**

Fresh Sweetpotatoes Imports and Exports by Country

Imports by country (Tonnes)			
Year Ending June	2015	2016	2017
China	29	73	76
Tonga	-	-	44
Vietnam	9	5	7
Hong Kong	-	1	5
Peru	-	1	4
Other	***1***	***1***	***2***
TOTAL	**38**	**82**	**138**

Exports by country (Tonnes)			
Year Ending June	2015	2016	2017
UAE	491	567	423
Singapore	133	90	245
Hong Kong	< 0.5	27	144
Malaysia	17	32	39
Qatar	7	11	11
Other	***106***	***12***	***3***
TOTAL	**755**	**739**	**866**

Source: GTA

Tomatoes

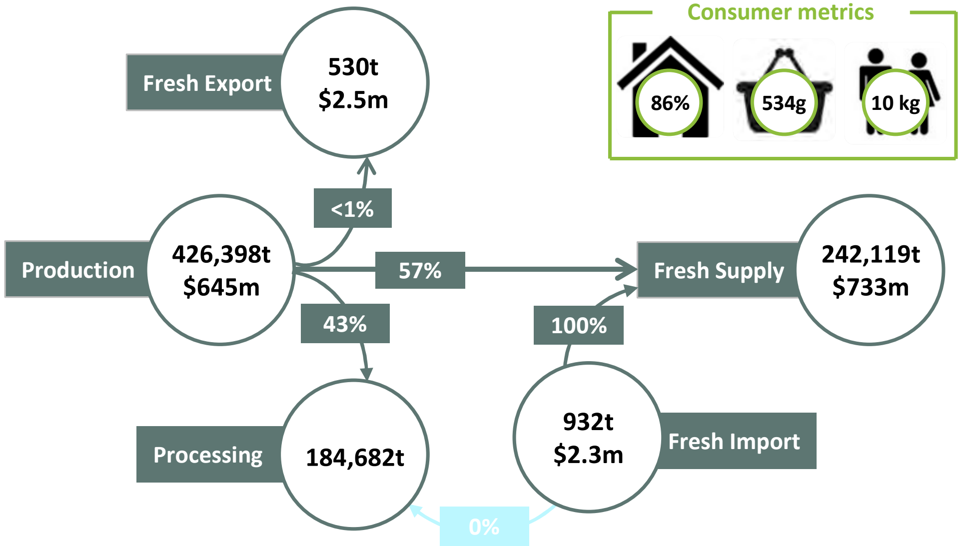
Tomatoes Overview

Tomatoes are grown in most states of Australia, with the majority of production occurring in Victoria and Queensland. Traditionally most tomatoes were produced outdoors in Queensland. In recent years, more tomatoes have been grown in high-tech glasshouses.

For the year ending June 2017:

- **426,398 t** was produced with **43%** sent to processing.
- The value of production was **$645.2 m** while the wholesale value of the fresh supply was **$732.5 m.**
- **86%** of Australian households purchased fresh tomatoes, buying an average of **534 g** of tomatoes per shopping trip.
- The supply per capita was **10 kg**, based on the volume supplied.

Tomatoes Supply Chain—Year Ending June 2017



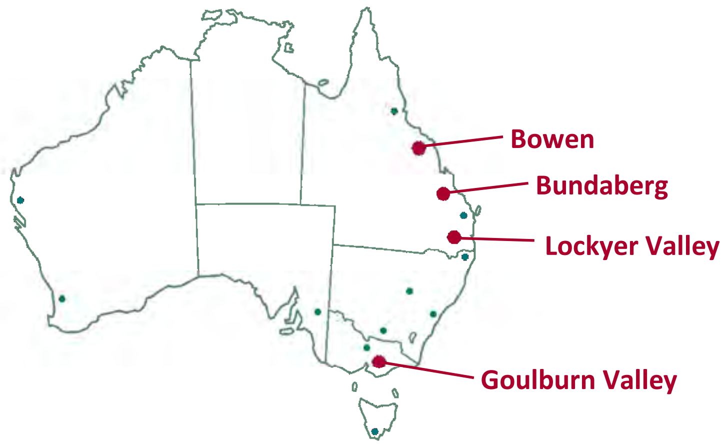
Sources: ABS; AC; Australian Processing Tomato Research Council (APTRC); AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Year Ending June	2015	2016		2017	
	Value	Value	% YoY	Value	% YoY
Production (t)	528,577	521,449	-1%	426,398	-18%
Production ($m)	$ 546.2	$ 541.6	>-1%	$ 645.2	+19%
Production area (Ha)	*5,847*	*5,430*	-7%	-	-
Fresh Export Volume (t)	748	939	+25%	530	-44%
Fresh Export Value ($m)	$ 2.4	$ 3.0	+27%	$ 2.5	-17%
Fresh Import Volume (t)	596	1,386	>100%	932	-33%
Fresh Import Value ($m)	$ 1.3	$ 2.9	>100%	$ 2.3	-21%
Fresh Supply (t)	241,599	247,049	+2%	242,119	-2%
Fresh Supply Wholesale Value ($m)	$ 606.3	$ 605.3	>-1%	$ 732.5	+21%
Supply per Capita (kg)	10.16	10.25	<1%	10.08	-2%

Sources: ABS; AC; APTRC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

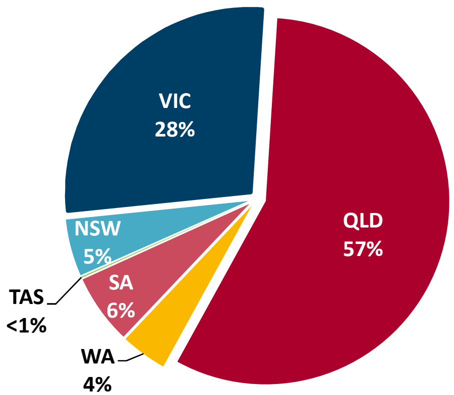
Major Tomato Production Areas

Tomatoes are grown across Australia, typically grown outdoors in Queensland, and in high-tech glasshouses in the southern states. Major production areas include the **Bowen**, **Bundaberg** and the **Lockyer Valley** in Queensland; and the **Goulburn Valley** in Victoria.



Source: AUSVEG

2016/17 Fresh Tomatoes Production by State



Source: AUSVEG

Fresh Tomatoes Seasonality by State

State	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
New South Wales	21,506												
Victoria	117,804												
Queensland	243,047												
Western Australia	17,387												
South Australia	26,244												
Tasmania	411												
Imported	596												
Availability legend			High		Medium		Low		None				

Source: AUSVEG

Main Tomato Types

There are number of tomato types grown in Australia, with these types grouping a number of varieties. These major types include:

Field, a round to oval tomato with a red skin, these varieties are most commonly grown outdoors. Field tomatoes accounted for **42%** of fresh production for the year ending June 2017.

Large Truss, a round to oval tomato with a red skin and typically sold with the vine still attached. Large truss tomatoes are most commonly grown in glasshouses, and accounted for **33%** of fresh production for the year ending June 2017.

Cherry and Grape, smaller round to oval shaped tomatoes with a red skin, these varieties are grown both outdoors or more commonly in glasshouses. These types accounted for **22%** of fresh production for the year ending June 2017.

Roma, including baby roma tomatoes, an oval egg-shaped tomato with red skin. These varieties accounted for **3%** of fresh production for the year ending June 2017.

Fresh Tomato Seasonality by Type

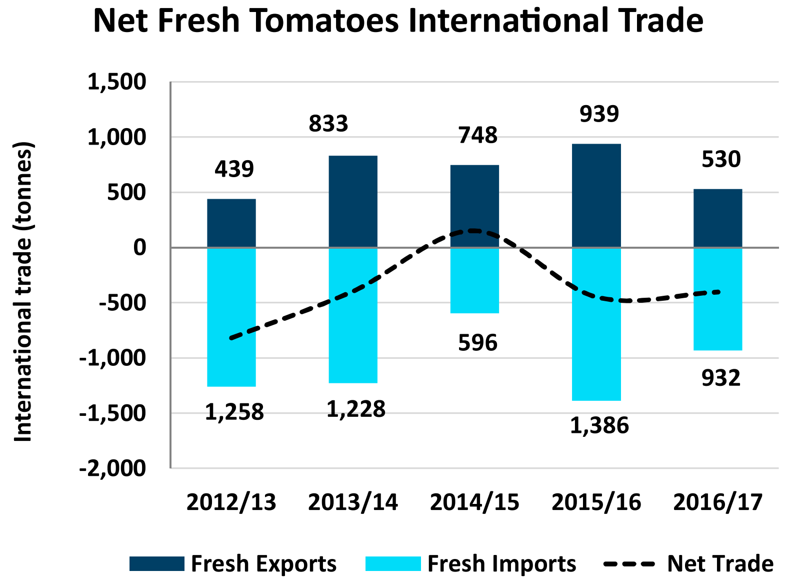
The seasonal availability of some major varieties is profiled in the table below.

Type	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Field	101,521												
Large Truss	79,766												
Cherry/Grape	53,178												
Roma	7,251												
Processing	***184,682***												
Availability legend			High		Medium		Low		None				

Source: APTRC; AUSVEG; (Freshlogic Analysis)

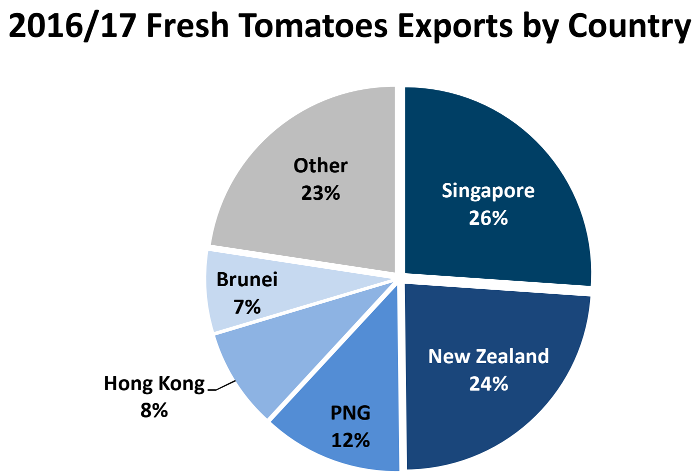
Fresh Tomato International Trade

Australia has traditionally been a net importer of fresh tomatoes. For the year ending June 2017, Australia exported **530 tonnes** of fresh tomatoes. The exports and imports over the last 5 financial years is profiled in the graph over the page, where imports are counted as negative tonnes.



Source: GTA

For the year ending June 2017, **26%** of exported fresh tomatoes were sent to Singapore, as profiled in the chart below.



Source: GTA

Fresh Tomatoes Imports and Exports by State

Imports by state destination (Tonnes)				Exports by state of production origin (Tonnes)			
Year Ending June	2015	2016	2017	Year Ending June	2015	2016	2017
Queensland	372	632	448	Queensland	613	668	455
New South Wales	203	413	358	New South Wales	80	66	34
Victoria	21	333	126	Victoria	35	127	32
Western Australia	-	8	-	Western Australia	5	3	5
TOTAL	**596**	**1,386**	**932**	South Australia	6	67	2
				Other	***9***	***8***	***< 0.5***
				TOTAL	**748**	**939**	**530**

Fresh Tomatoes Imports and Exports by Country

Imports by country (Tonnes)				Exports by country (Tonnes)			
Year Ending June	2015	2016	2017	Year Ending June	2015	2016	2017
New Zealand	596	1,386	922	Singapore	125	154	138
Turkey	-	-	10	New Zealand	325	354	126
TOTAL	**596**	**1,386**	**932**	PNG	49	39	64
				Hong Kong	33	67	45
				Brunei	38	44	37
				Other	***178***	***281***	***120***
				TOTAL	**748**	**939**	**530**

Source: GTA

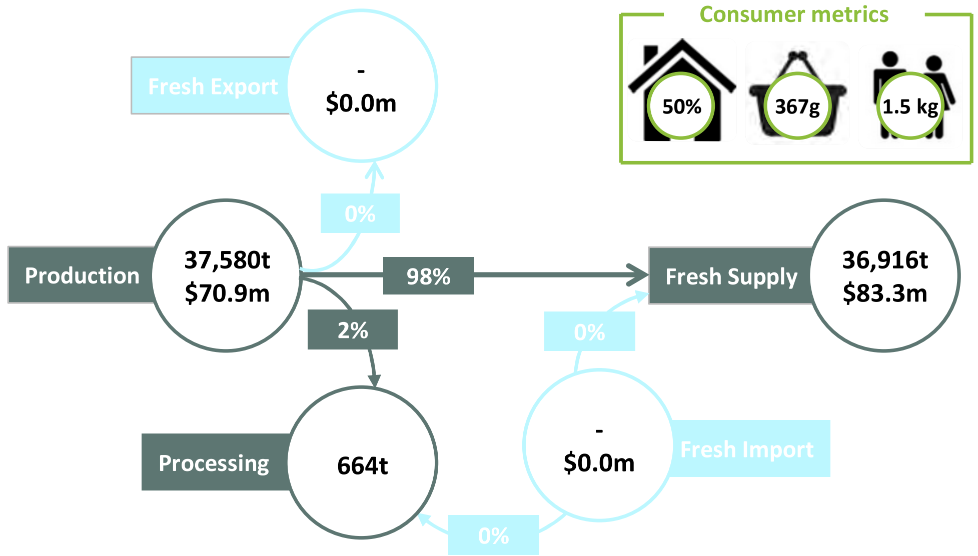
Fresh Zucchini Overview

Zucchini is grown in most states of Australia, with the majority of production occurring in Queensland and Victoria.

For the year ending June 2017:

- **37,580 t** was produced with **2%** sent to processing.
- The value of production was **$70.9 m** while the wholesale value of the fresh supply was **$83.3 m.**
- **50%** of Australian households purchased zucchini, buying an average of **367 g** of zucchini per shopping trip.
- The supply per capita was **1.5 kg**, based on the volume supplied.

Fresh Zucchini Supply Chain—Year Ending June 2017



Sources: AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

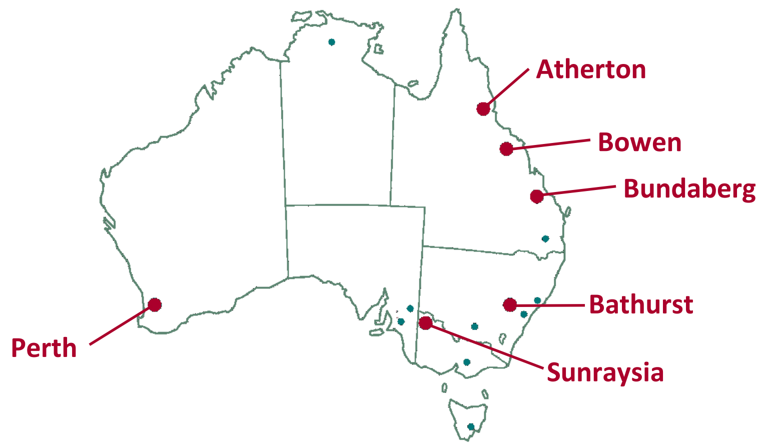
Zucchini

Year Ending June	2015	2016		2017	
	Value	Value	% YoY	Value	% YoY
Production (t)	34,907	35,997	+3%	37,580	+4%
Production ($m)	$ 62.0	$ 60.1	-3%	$ 70.9	+18%
Production area (Ha)	-	-	-	-	-
Fresh Export Volume (t)	-	-	-	-	-
Fresh Export Value ($m)	$ -	$ -	-	$ -	-
Fresh Import Volume (t)	-	-	-	-	-
Fresh Import Value ($m)	$ -	$ -	-	$ -	-
Fresh Supply (t)	34,223	35,325	+3%	36,916	+5%
Fresh Supply Wholesale Value ($m)	$ 72.8	$ 70.6	-3%	$ 83.3	+18%
Supply per Capita (kg)	1.44	1.47	+2%	1.51	+3%

Sources: AC; AUSVEG; CFVIWA; GTA; MP & DD (Freshlogic Analysis)

Major Zucchini Production Areas

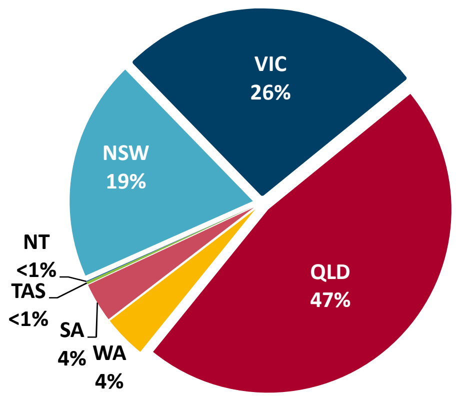
Zucchini is grown across Australia. Major production areas include the **Atherton Tablelands**, **Bowen** and **Bundaberg regions** in Queensland; the **Bathurst region** in New South Wales; the **Sunraysia region** in Victoria; and the **Perth region** of Western Australia.



Source: AUSVEG

Zucchini

2016/17 Fresh Zucchini Production by State



Source: AUSVEG

Fresh Zucchini Seasonality by State

State	16/17 Tonnes	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
New South Wales	7,289												
Victoria	9,929												
Queensland	17,539												
Western Australia	1,420												
South Australia	1,300												
Tasmania	84												
Northern Territory	20												
Availability legend			High		Medium		Low		None				

Source: AUSVEG