



Australian Horticulture Statistics Handbook

Other horticulture

2017/18

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The Australian Horticulture Statistics Handbook 2017/18 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 2018.

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:

$$\text{Fresh Supply} = \text{Production} - \text{Fresh Exports} - \text{Processing} + \text{Fresh Imports}$$

- 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 processors¹.

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

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

This publication covers the year ending 30 June 2018 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 recovered from the previous year's disruptions with impacts most apparent on the supply of fresh vegetables. Some fruit and berry crops were adversely impacted by unseasonal frosts. In these conditions the wholesale value per kg of fresh fruit and vegetables supplied to the local market decreased by 2.0% to \$2.42 per kg.

The supply of product into the domestic food market is influenced by the conditions in the retail channel. The drivers of these conditions which were centred on expanding retail entrants, growth in direct to home channels and increases in eating away from home, all combined to lift the level of retail competition.

Total fresh horticulture exports were valued at **\$2.15 billion** in 2017/18, 6% higher than the previous year. The increase in export value was primarily driven by citrus exports, with cherries, summerfruit, walnuts and carrots also showing strong growth.

Export market optimism has continued to flow into business confidence and is now reflected in the value associated to those with export market exposure.

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Availability of valid statistical information is a key enabler across horticulture. The Australian Horticulture Statistics Handbook for the year ending 30 June 2018, 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.

Note that '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 2016/17 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 2017/18 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
2017/18	Year ending 30 June 2018
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
m²	Metres squared (a measure of area)
m m²	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.

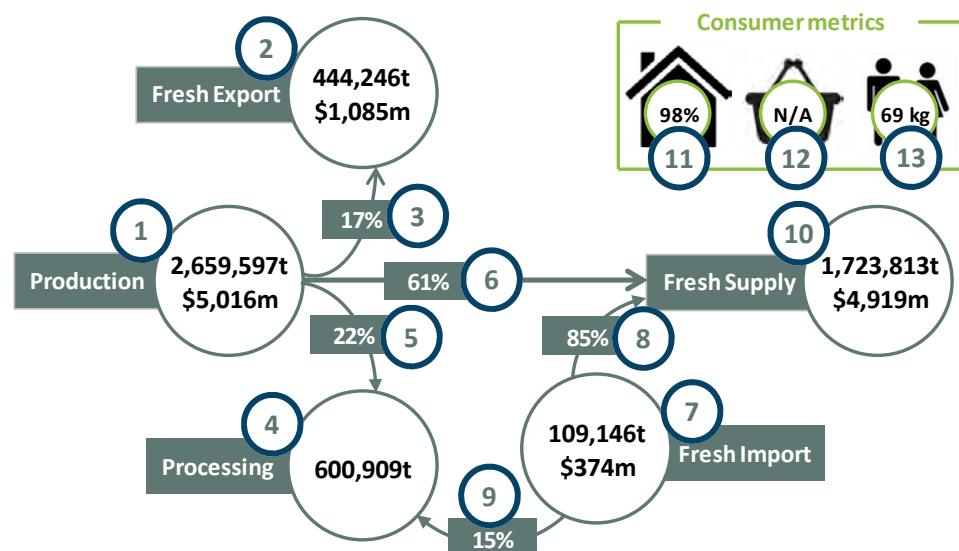
Kernel (Nut categories) —A measure of volume that only includes the edible kernel.

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

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 2018. It contains the following elements:

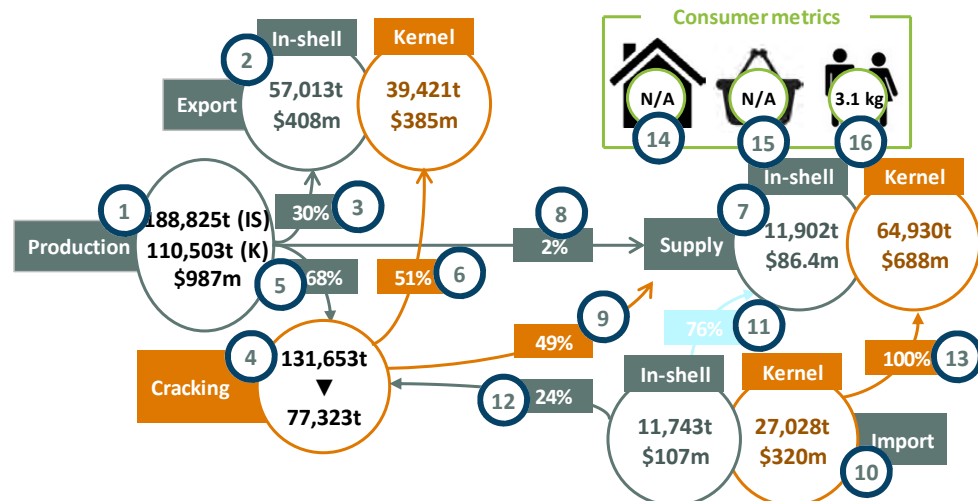


1. **Production.** This is the volume of the category grown in Australia over the year ending June 2018. This profiles the **Production** (volume in tonnes), as well as the value in million dollars obtained by the producers i.e. the **Value of Production**, sometimes known as the farm gate value.
2. **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 2018. '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 2018. 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 2018. 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:



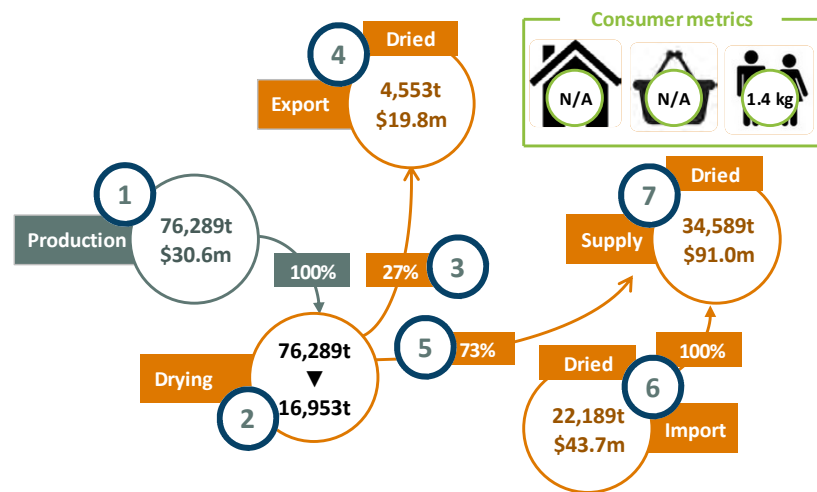
- 1. Production.** This is the volume of the category grown in Australia over the year ending June 2018. This profiles the **Production** (volume in tonnes), in both *In-Shell* (written in *green* and denoted by *IS*) and the *Kernel* equivalent of this volume after cracking (written in *orange* and 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 2018. 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 2018. 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".

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 2018. It contains the following elements:



- 1. Production.** The volume of the category grown in Australia over the year ending June 2018. 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 2016, June 2017 and June 2018), as well as the percentage change in value year on year. They contain:

Year Ending June	2016	2017		2018	
	Value	Value	% YoY	Value	% YoY
Production (t)	7,660	11,887	+55%	16,850	+42%
Production (\$m)	\$ 149.6	\$ 245.1	+64%	\$ 309.0	+26%
Production area (Ha)	1,250	1,375	+10%	1,375	-
Fresh Export Volume (t)	254	356	+40%	221	-38%
Fresh Export Value (\$m)	\$ 5.2	\$ 8.5	+62%	\$ 4.4	-48%
Fresh Import Volume (t)	1,432	1,211	-15%	1,234	+2%
Fresh Import Value (\$m)	\$ 29.8	\$ 27.1	-9%	\$ 29.5	+9%
Fresh Supply (t)	7,939	11,811	+49%	16,401	+39%
Fresh Supply Wholesale Value (\$m)	\$ 210.9	\$ 317.1	+50%	\$ 394.4	+24%
Supply per Capita (kg)	0.33	0.48	+46%	0.66	+37%

- 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.

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:

$$\text{Fresh Supply} = \text{Production} - \text{Fresh Exports} - \text{Processing} + \text{Fresh Imports}$$

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 2018 according to the ABS. The number of occupied households is assumed at 9.01 million and the population at 24.9 million for the 2017/18 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

Common Data Sources

Abbreviation	Data Source	Further information
ABS	Agricultural Commodities, Australian Bureau of Statistics	Information from <i>Agricultural Commodities cat. no. 7121.0, 2016-17, 2015-16, 2014-15 and 2013-14 editions has been compiled.</i> <i>Australian Demographic Statistics cat. no. 3101.0 June 2018 edition.</i> <i>2016 Census of Population and Housing</i>
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.

<u>Project Code</u>	<u>Project Title</u>
AL16003 (Almonds)	<i>Australian Almond Industry Statistics</i>
AP16002 (Apple/Pear)	<i>Apple and Pear Crop Estimates</i>
AV16006 (Avocado)	<i>Avocado Industry and Market Data Capture and Analysis</i>
CH16000 (Chestnuts)	<i>Communication & Adoption Program for the Australian Chestnut Industry</i>
CT15012 (Citrus)	<i>Australian Citrus Industry Innovation & Market Development Program</i>
CU15000 (Custard Apples)	<i>Custard Apple Dispatch System 2</i>
DP15002 (Prunes)	<i>Innovation & Adoption Program for the Australian Prune Industry</i>
MC15005 (Macadamias)	<i>Benchmarking the Macadamia Industry 2015-2018</i>
MC15009 (Macadamias)	<i>Macadamia Crop Forecasting 2015 - 2018</i>
MG13017 (Mangoes)	<i>Capacity Building, Information, Technology & Extension for the Australian Mango Industry</i>
MT15031 (Dried Grapes)	<i>Australian Dried Fruit Communications Program</i>
NY16004 (Nursery)	<i>Nursery industry statistics and research 2016/17</i>

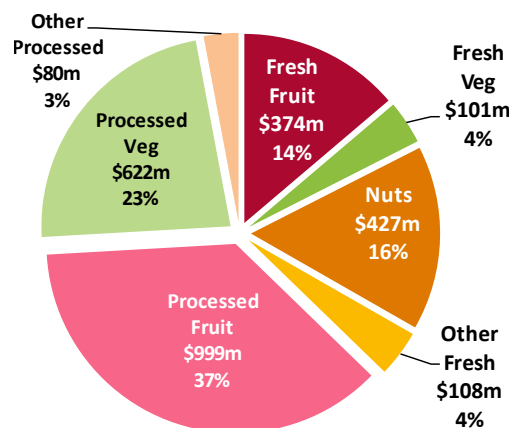
Data sharing-List of projects

<u>Project Code</u>	<u>Project Title</u>
PI13006 (Pineapples)	<i>Study groups enabling industry adaption to pineapple market changes</i>
TM17000 (Tomato)	<i>Processing Tomato Industry Capacity Building</i>
TU16001 (Turf)	<i>Turf industry statistics and research 2016/17</i>
TU17005 (Turf)	<i>Turf industry statistics 2017-18 to 2019-2020</i>
VG15077 (Vegetables)	<i>Financial Performance of Australian Vegetable Farms 2016-17 to 2018-19</i>



Total Imports

For the year ending June 2018, Australia imported **\$2.71 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.



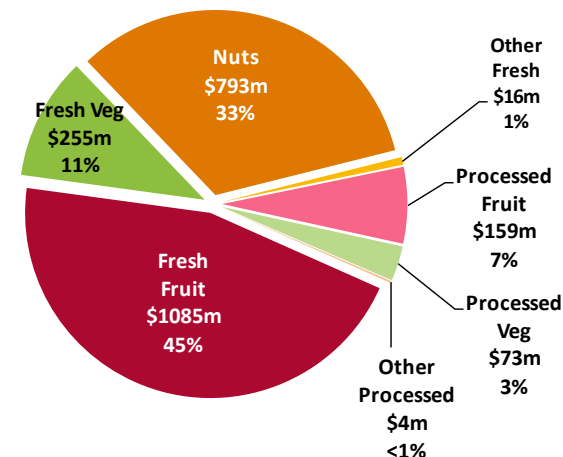
Sources: GTA; (Freshlogic Analysis)

Fresh Fruit\$374.1m	Other Fresh Horticulture\$108.0m
Avocados\$71.7m	Cut Flowers\$70.3m
Grapes\$69.2m	Bulbs\$20.7m
Kiwifruit.....\$54.6m	Live Plants.....\$17.0m
Fresh Vegetables\$100.9m	Processed Fruit\$999.3m
Garlic.....\$27.5m	Olives and Olive Oil\$245.6m
Asparagus.....\$22.3m	Dried Tree Fruits.....\$45.0m
Mushrooms.....\$11.1m	Orange Juice\$45.6m
Nuts\$427.5m	Processed Vegetables\$622.3m
Cashews.....\$178.8m	Potatoes.....\$205.7m
Walnuts\$49.2m	Tomatoes.....\$126.2m
Hazelnuts.....\$29.4m	Beans.....\$57.8m



Total Exports

For the year ending June 2018, Australia exported **\$2.38 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.*



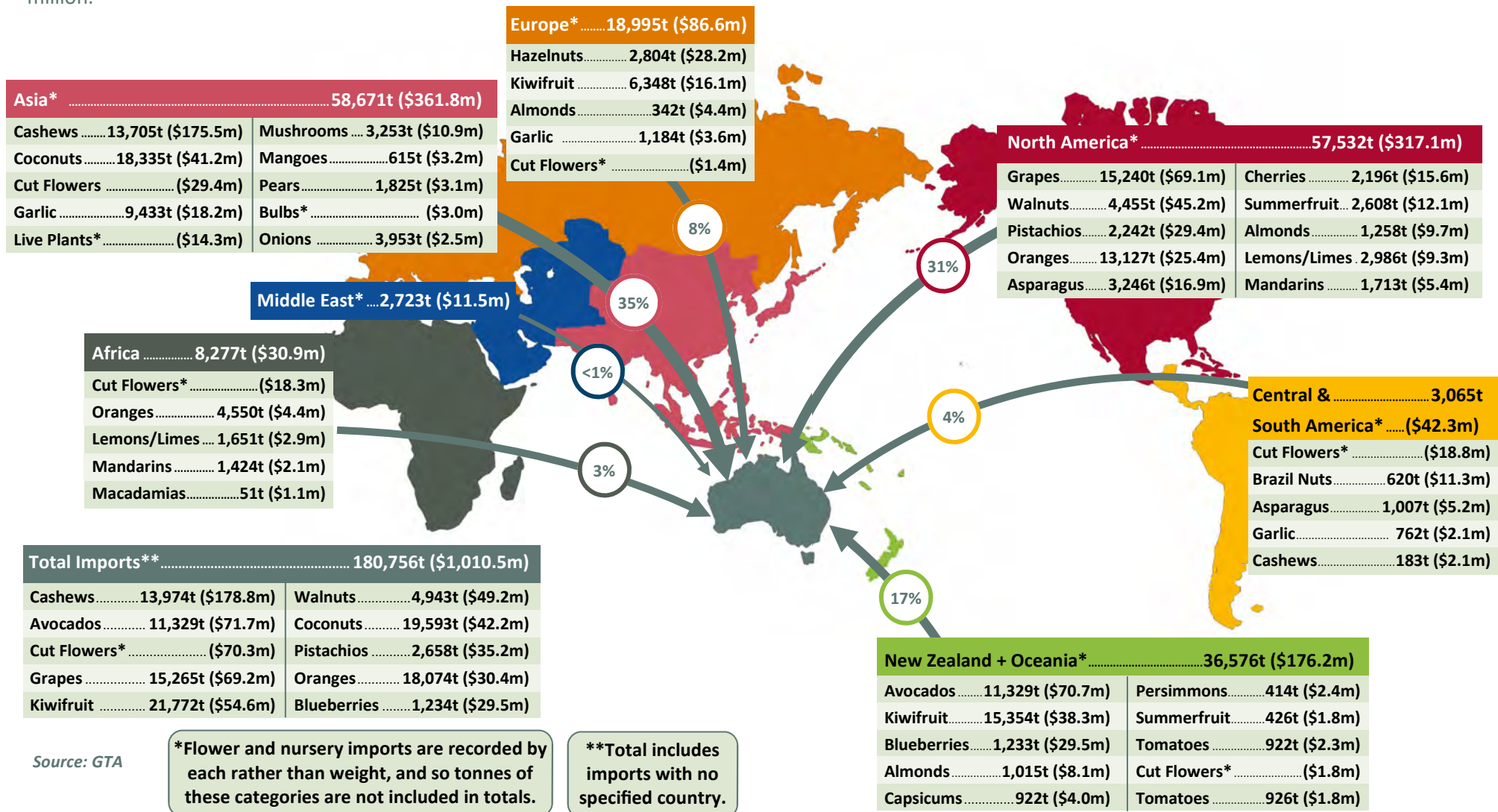
Sources: GTA; (Freshlogic Analysis)

Fresh Fruit\$1085.2m	Other Fresh Horticulture\$16.0m
Table Grapes\$384.1m	Cut Flowers.....\$10.3m
Oranges.....\$280.1m	Live Plants.....\$5.6m
Mandarins.....\$139.1m	Bulbs.....\$0.2m
Fresh Vegetables\$255.2m	Processed Fruit\$159.2m
Carrots.....\$94.6m	Dried Grapes and Grape Juice.....\$43.2m
Potatoes.....\$28.0m	Olives and Olive Oil.....\$26.0m
Asparagus.....\$27.8m	Dried Mangoes.....\$28.7m
Nuts\$793.2m	Processed Vegetables\$72.7m
Almonds.....\$440.3m	Potatoes.....\$15.2m
Macadamias.....\$266.0m	Tomatoes.....\$12.1m
Walnuts.....\$22.7m	Ginger.....\$5.8m



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.



Exports of fresh horticultural products by region

These pages profile total exports of **fresh** horticultural products by 6 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.

Asia * 535,135t (\$1,554.7)	
Grapes..... 102,602t (\$359.7m)	Cherries 3,669t (\$57.6m)
Oranges..... 160,066t (\$240.0m)	Summerfruit 12,554t (\$48.5m)
Almonds..... 35,791t (\$226.4m)	Carrots..... 37,609t (\$33.3m)
Macadamias.. 23,757t (\$217.3m)	Asparagus..... 3,693t (\$27.7m)
Mandarins..... 49,205t (\$111.7m)	Potatoes..... 34,476t (\$25.3m)

Middle East 117,097 (\$189.5m)	
Carrots..... 67,530t (\$58.5m)	Strawberries..... 1,297t (\$9.3m)
Almonds..... 3,839t (\$33.9m)	Mandarins 5,056t (\$9.0m)
Oranges..... 13,593t (\$14.8m)	Muskmelons..... 3,245t (\$6.9m)
Summerfruit... 4,682t (\$14.3m)	Mangoes..... 1,802t (\$6.6m)
Grapes..... 3,396t (\$10.5m)	Watermelons... 3,813t (\$4.8m)

Africa 2,380t (\$6.1m)
Almonds..... 384t (\$3.0m)

Total Exports** 746,344t (\$2,149.6m)	
Almonds..... 66,311t (\$461.2m)	Carrots 108,175t (\$94.6m)
Grapes..... 110,280t (\$384.1m)	Summerfruit... 17,769t (\$65.1m)
Oranges..... 190,043t (\$280.1m)	Cherries 4,114t (\$62.2m)
Macadamias... 25,675t (\$266.0m)	Strawberries..... 4,304t (\$29.7m)
Mandarins..... 63,960t (\$139.1m)	Mangoes..... 7,694t (\$28.7m)

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.



The relative share of the **value** of exports to each of the 6 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.

Europe 34,680t (\$200.1m)	
Almonds..... 19,008t (\$144.4m)	Cut Flowers* (\$3.1m)
Walnuts..... 4,293t (\$18.0m)	Mushrooms 4t (\$2.3m)
Macadamias..... 694t (\$17.3m)	Kiwifruit..... 587t (\$1.8m)
Onions..... 7,836t (\$6.0m)	Pecans..... 55t (\$1.0m)
Apples..... 1,488t (\$3.6m)	

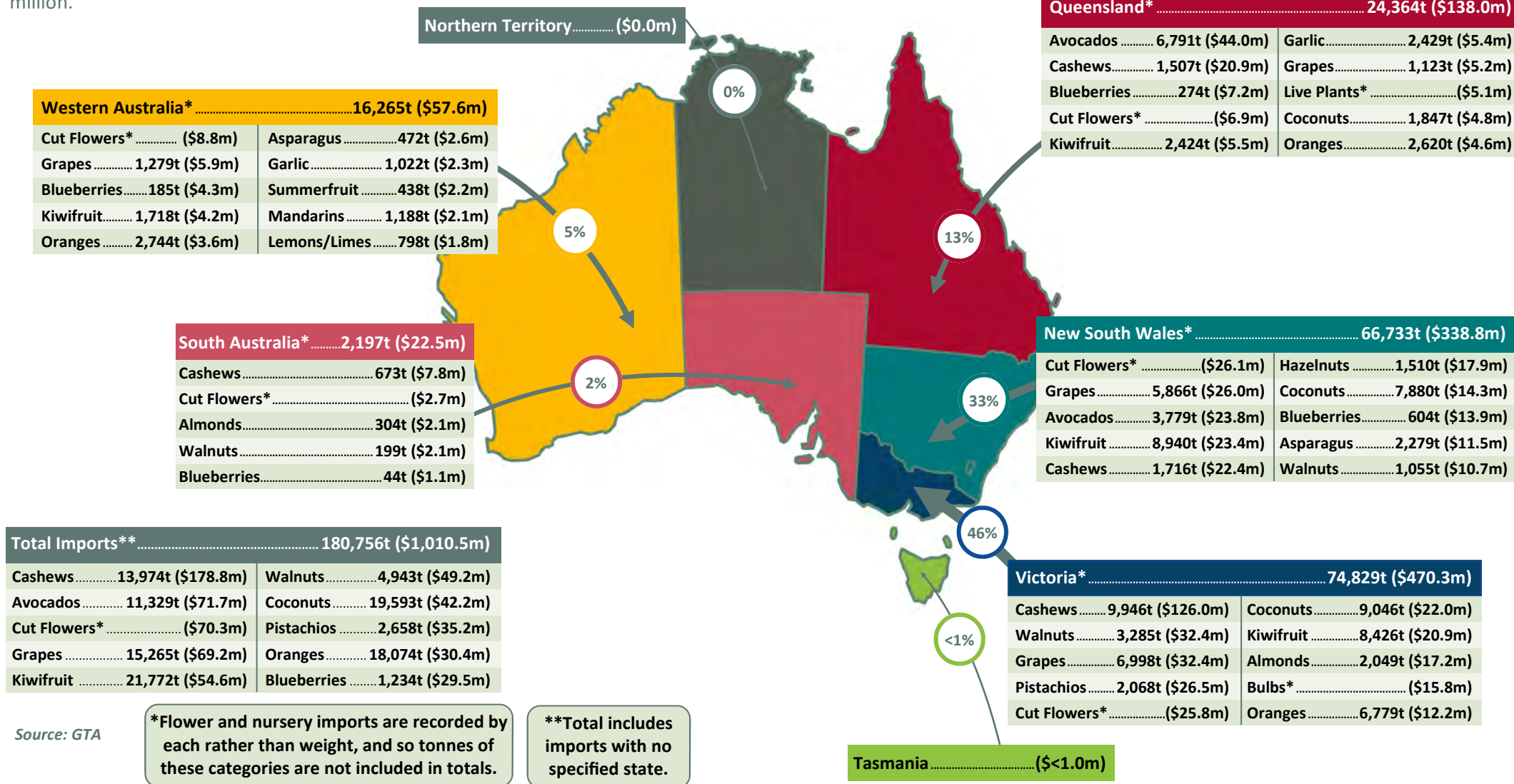
North America* 21,409t (\$86.8m)	
Macadamias.. 987t (\$25.0m)	Mushrooms 2t (\$1.9m)
Oranges..... 9,391t (\$15.7m)	Cherries 101t (\$1.8m)
Almonds..... 2,673t (\$11.4m)	Cut Flowers* (\$1.5m)
Mandarins..... 4,759t (\$9.3m)	Mangoes..... 205t (\$1.2m)
Pears..... 1,612t (\$2.9m)	Summerfruit..... 274t (\$1.1m)

New Zealand + Oceania 42,973t (\$114.1m)	
Almonds..... 2,030t (\$18.1m)	Beans..... 1,600t (\$6.7m)
Grapes..... 4,282t (\$13.8m)	Strawberries..... 7,83t (\$5.7m)
Oranges..... 6,646t (\$8.8m)	Muskmelons 3,577t (\$5.6m)
Mandarins 4,856t (\$8.7m)	Watermelons... 2,895t (\$3.5m)
Pears..... 4,608t (\$7.0m)	Mangoes..... 1,109t (\$3.5m)



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.



Exports of fresh horticultural products by state

These pages profile total exports of **fresh** horticultural products by Australian state or territory of production. 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.

Northern Territory	2,285t (\$8.0m)
Mangoes.....	1,300t (\$6.4m)

Western Australia	123,943t (\$153.3m)
Carrots.....	96,111t (\$82.6m)
Strawberries.....	3,473t (\$25.1m)
Mushrooms.....	8t (\$5.6m)
Onions.....	7,553t (\$4.9m)
Cut Flowers*.....	(\$4.3m)
Muskmelons.....	2,564t (\$4.1m)
Oranges.....	2,550t (\$4.0m)
Potatoes.....	2,615t (\$3.5m)
Celery.....	2,777t (\$3.4m)
Summerfruit.....	1,072t (\$2.6m)

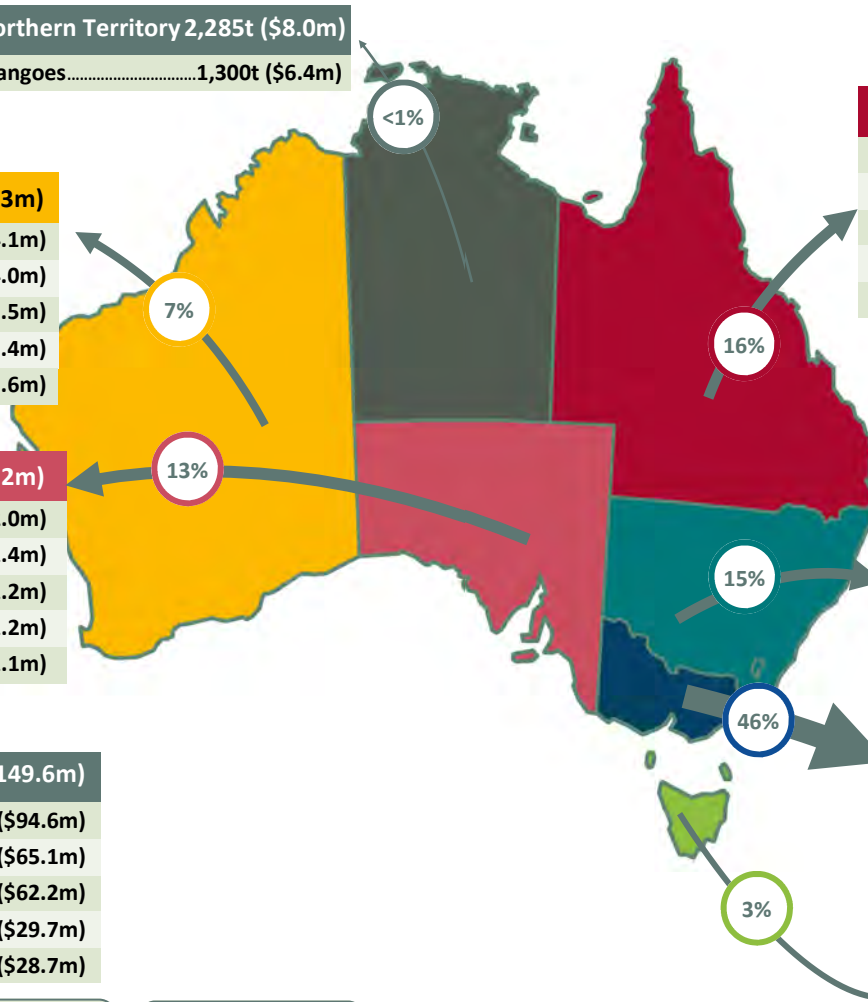
South Australia	126,514t (\$280.2m)
Almonds.....	15,405t (\$122.5m)
Oranges.....	68,121t (\$99.5m)
Mandarins.....	15,210t (\$27.3m)
Potatoes.....	14,984t (\$12.5m)
Onions.....	8,178t (\$6.0m)
Lemons/Limes.....	1,067t (\$2.0m)
Table Grapes.....	344t (\$1.4m)
Cherries.....	125t (\$1.2m)
Summerfruit.....	257t (\$1.2m)
Grapefruit.....	689t (\$1.1m)

Total Exports**	746,344t (\$2,149.6m)
Almonds.....	66,311t (\$461.2m)
Grapes.....	110,280t (\$384.1m)
Oranges.....	190,043t (\$280.1m)
Macadamias.....	25,675t (\$266.0m)
Mandarins.....	63,960t (\$139.1m)
Carrots.....	108,175t (\$94.6m)
Summerfruit.....	17,976t (\$65.1m)
Cherries.....	4,114t (\$62.2m)
Strawberries.....	4,304t (\$29.7m)
Mangoes.....	7,694t (\$28.7m)

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.



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.

Queensland	98,006t (\$348.8m)
Macadamias.....	12,554t (\$121.8m)
Mandarins.....	44,374t (\$102.8m)
Mangoes.....	5,583t (\$19.0m)
Muskmelons.....	7,663t (\$12.3m)
Broccoli/Cauli.....	3,106t (\$8.0m)
Avocados.....	1,118t (\$7.2m)
Beans.....	1,611t (\$6.8m)
Watermelons.....	4,782t (\$5.8m)
Cut Flowers*.....	(\$4.1m)
Live Plants*.....	(\$3.9m)

New South Wales*	85,235t (\$316.9m)
Macadamias.....	13,099t (\$143.7m)
Oranges.....	27,918t (\$42.1m)
Grapes.....	8,315t (\$26.6m)
Walnuts.....	5,341t (\$22.1m)
Summerfruit.....	2,788t (\$11.9m)
Potatoes.....	16,435t (\$9.8m)
Cherries.....	604t (\$6.8m)
Pecans.....	499t (\$6.0m)
Muskmelons.....	2,562t (\$5.4m)
Almonds.....	2,562t (\$2.7m)

Victoria*	292,284t (\$997.6m)
Grapes.....	100,489t (\$351.5m)
Almonds.....	48,345t (\$314.6m)
Oranges.....	89,127t (\$130.6m)
Summerfruit.....	13,409t (\$48.4m)
Asparagus.....	3,672t (\$27.6m)
Cherries.....	1,235t (\$18.4m)
Pears.....	11,588t (\$17.7m)
Mandarins.....	3,472t (\$7.0m)
Apples.....	3,225t (\$6.5m)
Cut Leaf Salads.....	857t (\$6.4m)

Tasmania	24,679t (\$54.5m)
Cherries.....	2,135t (\$35.6m)
Onions.....	13,531t (\$9.3m)
Carrots.....	8,590t (\$7.8m)



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 2018.

Year Ending June 2018	Production (t)	Year Ending June 2018	Production (t)
All Horticultural Products	6,541,768	Passionfruit	4,790
All Fruit	2,657,597	Papaya/Pawpaw	16,196
Apples	315,185	Persimmons	2,519
Avocados	77,032	Pears	115,929
Bananas	388,265	Pineapples	76,002
Berries - Combined	116,585	Summerfruit - Combined	153,148
Blueberries	16,850	Apricots	7,732
Rubus Berries	6,189	Nectarines/Peaches	115,651
Strawberries	93,545	Plums	29,764
Cherries	15,650	Table Grapes	177,416
Citrus - Combined	746,297	Processing Fruit Combined*	206,260
Grapefruit	12,660	Dried Grapes	76,289
Lemons/Limes	47,950	Prunes*	11,637
Mandarins	159,598	Other Dried Tree Fruit*	2,035
Oranges	526,089	Canned Fruit*	61,299
Custard Apples	1,693	Olives	55,000
Kiwifruit	9,582	Other Fruit	6,384
Lychees	2,633	All Vegetables	3,695,345
Mangoes	83,315	Artichokes	341
Melons - Combined	215,519	Asparagus	7,576
Muskmelons	45,480	Beans	33,890
Watermelons	170,039	Beetroot	14,167
Nashi	2,170	Broccoli/Baby Broccoli	76,104

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



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 2018	Production (t)	Year Ending June 2018	Production (t)
Brussels Sprouts	6,210	Potatoes	1,388,968
Cabbage	75,165	Pumpkins	119,546
Capsicums	76,237	Sweet Corn	62,712
Carrots	330,655	Sweetpotatoes	97,222
Cauliflower	74,146	Tomatoes	484,073
Celery	65,240	Zucchini	40,063
Chillies	2,246	Other Vegetables	24,770
Cucumbers	91,084	All Nuts	188,825
Eggplant	9,043	Almonds (Inshell)**	113,516
Eng.Spinach/Silverbeet/Kale	7,028	Chestnuts (Inshell)	1,100
Fresh Herbs - Combined	11,394	Hazelnuts (Inshell)**	714
Fennel	1,020	Macadamias (Inshell)	49,300
Parsley and Other Herbs	10,374	Pecans (Inshell)	3,000
Garlic	2,246	Pistachios (Inshell)	3,200
Ginger	7,234	Walnuts (Inshell)	11,800
Leafy Asian Vegetables	28,541	Other Nuts (Inshell)	6,195
Leafy Salad Vegetables	56,297	Other Horticulture	N/A
Leeks	8,736	Cut Flowers	N/A
Head Lettuce	138,485	Nursery*	N/A
Mushrooms	70,463	Turf	N/A
Onions	249,147		
Parsnips	3,367		
Peas	32,947		

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



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 2018.

Year Ending June 2018	Production (\$m)	Year Ending June 2018	Production (\$m)
All Horticultural Products	\$13,232.9	Passionfruit	\$16.8
All Fruit	\$5,015.4	Papaya/Pawpaw	\$31.4
Apples	\$465.3	Persimmons	\$11.6
Avocados	\$543.0	Pears	\$99.0
Bananas	\$484.2	Pineapples	\$53.4
Berries - Combined	\$911.4	Summerfruit - Combined	\$397.8
Blueberries	\$309.0	Apricots	\$29.8
Rubus Berries	\$157.3	Nectarines/Peaches	\$289.5
Strawberries	\$445.0	Plums	\$78.5
Cherries	\$148.7	Table Grapes	\$543.7
Citrus - Combined	\$797.8	Processing Fruit Combined*	\$135.2
Grapefruit	\$16.7	Dried Grapes	\$30.6
Lemons/Limes	\$102.3	Prunes*	\$5.8
Mandarins	\$305.8	Other Dried Tree Fruit*	\$0.7
Oranges	\$373.0	Canned Fruit*	\$26.4
Custard Apples	\$6.5	Olives	\$71.9
Kiwifruit	\$26.3	Other Fruit	\$17.1
Lychees	\$24.0	All Vegetables	\$4,345.7
Mangoes	\$204.3	Artichokes	\$0.8
Melons - Combined	\$124.2	Asparagus	\$61.0
Muskmelons	\$49.5	Beans	\$76.4
Watermelons	\$74.7	Beetroot	\$11.7
Nashi	\$6.5	Broccoli/Baby Broccoli	\$229.8

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 2018	Production (\$m)	Year Ending June 2018	Production (\$m)
Brussels Sprouts	\$18.3	Potatoes	\$745.9
Cabbage	\$41.6	Pumpkins	\$68.8
Capsicums	\$155.6	Sweet Corn	\$60.2
Carrots	\$215.7	Sweetpotatoes	\$73.8
Cauliflower	\$47.4	Tomatoes	\$609.9
Celery	\$60.2	Zucchini	\$72.0
Chillies	\$9.1	Other Vegetables	\$81.6
Cucumbers	\$157.3	All Nuts	\$986.8
Eggplant	\$17.5	Almonds	\$550.1
Eng.Spinach/Silverbeet/Kale	\$19.3	Chestnuts	\$7.9
Fresh Herbs - Combined	\$179.0	Hazelnuts	\$2.0
Fennel	\$2.0	Macadamias	\$297.3
Parsley and Other Herbs	\$176.9	Pecans	\$20.0
Garlic	\$15.6	Pistachios	\$35.4
Ginger	\$48.7	Walnuts	\$38.6
Leafy Asian Vegetables	\$64.5	Other Nuts	\$35.5
Leafy Salad Vegetables	\$348.7	Other Horticulture	\$2,884.9
Leeks	\$21.0	Cut Flowers	\$280.6
Head Lettuce	\$147.1	<i>Nursery*</i>	<i>\$2,331.2</i>
Mushrooms	\$456.6	Turf	\$273.1
Onions	\$164.8		
Parsnips	\$11.2		
Peas	\$54.5		

**Note: The nursery production value 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.*



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 2018.

Year Ending June 2018	Fresh Export Volume (t)	Year Ending June 2018	Fresh Export Volume (t)
All Horticultural Products	746,344	Passionfruit	
All Fruit	444,246	Papaya/Pawpaw	16
Apples	5,060	Persimmons	183
Avocados	1,786	Pears	12,467
Bananas		Pineapples	
Berries - Combined	4,529	Summerfruit - Combined	17,769
Blueberries	221	Apricots	404
Rubus Berries	3	Nectarines/Peaches	12,068
Strawberries	4,304	Plums	5,297
Cherries	4,114	Table Grapes	110,280
Citrus - Combined	258,196	Processing Fruit Combined*	
Grapefruit	1,198	Dried Grapes*	
Lemons/Limes	2,883	Prunes*	
Mandarins	63,960	Other Dried Tree Fruit*	
Oranges	190,043	Canned Fruit*	
Custard Apples	85	Olives*	
Kiwifruit	1,027	Other Fruit	305
Lychees	466	All Vegetables	205,665
Mangoes	7,694	Artichokes	5
Melons - Combined	20,271	Asparagus	3,711
Muskmelons	13,543	Beans	1,639
Watermelons	6,728	Beetroot	230
Nashi		Broccoli/Baby Broccoli	5,861

Sources: GTA; IRB; (Freshlogic Analysis)



Year Ending June 2018	Fresh Export Volume (t)	Year Ending June 2018	Fresh Export Volume (t)
Brussels Sprouts	266	Potatoes	36,529
Cabbage	1,707	Pumpkins	2,074
Capsicums	317	Sweet Corn	
Carrots	108,175	Sweetpotatoes	922
Cauliflower	799	Tomatoes	804
Celery	4,504	Zucchini	
Chillies	3	Other Vegetables	5,077
Cucumbers	134	All Nuts*	96,434
Eggplant	10	Almonds*	64,196
Eng.Spinach/Silverbeet/Kale	243	Chestnuts*	
Fresh Herbs - Combined		Hazelnuts*	90
Fennel		Macadamias*	21,221
Parsley and Other Herbs		Pecans*	600
Garlic	118	Pistachios*	102
Ginger	9	Walnuts*	5,399
Leafy Asian Vegetables		Other Nuts*	4,824
Leafy Salad Vegetables	1,358	Other Horticulture	N/A
Leeks	124	Cut Flowers	N/A
Head Lettuce	432	<i>Nursery*</i>	<i>N/A</i>
Mushrooms	89	Turf	N/A
Onions	30,516		
Parsnips			
Peas	7		

**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.*



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 2018.

Year Ending June 2018	Fresh Export Value (\$m)	Year Ending June 2018	Fresh Export Value (\$m)
All Horticultural Products	\$2,149.6	Passionfruit	
All Fruit	\$1,085.2	Papaya/Pawpaw	<\$0.1
Apples	\$11.3	Persimmons	\$1.1
Avocados	\$11.6	Pears	\$19.6
Bananas		Pineapples	
Berries - Combined	\$34.2	Summerfruit - Combined	\$65.1
Blueberries	\$4.4	Apricots	\$1.9
Rubus Berries	<\$0.1	Nectarines/Peaches	\$43.2
Strawberries	\$29.7	Plums	\$20.0
Cherries	\$62.2	Table Grapes	\$384.1
Citrus - Combined	\$427.8	Processing Fruit Combined*	
Grapefruit	\$2.1	Dried Grapes*	
Lemons/Limes	\$6.0	Prunes*	
Mandarins	\$139.1	Other Dried Tree Fruit*	
Oranges	\$280.1	Canned Fruit*	
Custard Apples	\$0.4	Olives*	
Kiwifruit	\$3.6	Other Fruit	<\$0.1
Lychees	\$5.2	All Vegetables	\$255.2
Mangoes	\$28.7	Artichokes	<\$0.1
Melons - Combined	\$31.6	Asparagus	\$27.8
Muskmelons	\$23.2	Beans	\$6.9
Watermelons	\$8.4	Beetroot	\$0.7
Nashi		Broccoli/Baby Broccoli	\$16.0

Sources: GTA; IRB; (Freshlogic Analysis)



Year Ending June 2018	Fresh Export Value (\$m)	Year Ending June 2018	Fresh Export Value (\$m)
Brussels Sprouts	\$1.2	Potatoes	\$28.0
Cabbage	\$3.2	Pumpkins	\$3.0
Capsicums	\$1.2	Sweet Corn	
Carrots	\$94.6	Sweetpotatoes	\$1.6
Cauliflower	\$1.8	Tomatoes	\$3.0
Celery	\$7.1	Zucchini	
Chillies	<\$0.1	Other Vegetables	\$15.8
Cucumbers	\$0.4	All Nuts*	\$793.2
Eggplant	<\$0.1	Almonds*	\$440.3
Eng.Spinach/Silverbeet/Kale	\$2.0	Chestnuts*	
Fresh Herbs - Combined		Hazelnuts*	\$0.8
Fennel		Macadamias*	\$266.0
Parsley and Other Herbs		Pecans*	\$7.8
Garlic	\$0.3	Pistachios*	\$1.4
Ginger	\$0.1	Walnuts*	\$22.7
Leafy Asian Vegetables		Other Nuts*	\$54.1
Leafy Salad Vegetables	\$9.4	Other Horticulture	\$16.0
Leeks	\$0.6	Cut Flowers	\$10.4
Head Lettuce	\$1.7	Nursery*	\$5.6
Mushrooms	\$6.8	Turf	
Onions	\$21.7		
Parsnips			
Peas	<\$0.1		

*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.



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 2018.

Year Ending June 2018	Fresh Import Volume (t)	Year Ending June 2018	Fresh Import Volume (t)
All Horticultural Products	180,756	Passionfruit	
All Fruit	109,146	Papaya/Pawpaw	131
Apples	1,145	Persimmons	445
Avocados	11,330	Pears	1,826
Bananas		Pineapples	
Berries - Combined	1,235	Summerfruit - Combined	3,095
Blueberries	1,234	Apricots	434
Rubus Berries		Nectarines/Peaches	2,281
Strawberries	1	Plums	380
Cherries	2,198	Table Grapes	15,265
Citrus - Combined	27,749	Processing Fruit Combined*	
Grapefruit	1,125	Dried Grapes*	
Lemons/Limes	4,739	Prunes*	
Mandarins	3,805	Other Dried Tree Fruit*	
Oranges	18,074	Canned Fruit*	
Custard Apples		Olives*	
Kiwifruit	21,772	Other Fruit	22,096
Lychees		All Vegetables	32,839
Mangoes	866	Artichokes	
Melons - Combined	1	Asparagus	4,272
Muskmelons	1	Beans	438
Watermelons		Beetroot	3
Nashi		Broccoli/Baby Broccoli	

Sources: GTA; IRB; (Freshlogic Analysis)



Year Ending June 2018	Fresh Import Volume (t)	Year Ending June 2018	Fresh Import Volume (t)
Brussels Sprouts		Potatoes	
Cabbage	8	Pumpkins	2
Capsicums	1,182	Sweet Corn	
Carrots		Sweetpotatoes	349
Cauliflower		Tomatoes	926
Celery		Zucchini	
Chillies	12	Other Vegetables	3,443
Cucumbers		All Nuts*	38,771
Eggplant		Almonds*	2,856
Eng.Spinach/Silverbeet/Kale	31	Chestnuts*	
Fresh Herbs - Combined		Hazelnuts*	2,870
Fennel		Macadamias*	111
Parsley and Other Herbs		Pecans*	
Garlic	12,224	Pistachios*	2,499
Ginger	224	Walnuts*	4,943
Leafy Asian Vegetables		Other Nuts*	25,492
Leafy Salad Vegetables		Other Horticulture	N/A
Leeks	29	Cut Flowers	N/A
Head Lettuce		<i>Nursery*</i>	<i>N/A</i>
Mushrooms	3,288	Turf	N/A
Onions	5,482		
Parsnips			
Peas	925		

**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.*



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 2018.

Year Ending June 2018	Fresh Import Value (\$m)	Year Ending June 2018	Fresh Import Value (\$m)
All Horticultural Products	\$1,010.5	Passionfruit	
All Fruit	\$374.1	Papaya/Pawpaw	\$0.4
Apples	\$2.9	Persimmons	\$2.6
Avocados	\$71.7	Pears	\$3.1
Bananas		Pineapples	
Berries - Combined	\$29.5	Summerfruit - Combined	\$14.2
Blueberries	\$29.5	Apricots	\$1.9
Rubus Berries		Nectarines/Peaches	\$10.7
Strawberries	<\$0.1	Plums	\$1.6
Cherries	\$15.6	Table Grapes	\$69.2
Citrus - Combined	\$54.1	Processing Fruit Combined*	
Grapefruit	\$2.3	Dried Grapes*	
Lemons/Limes	\$12.4	Prunes*	
Mandarins	\$9.0	Other Dried Tree Fruit*	
Oranges	\$30.4	Canned Fruit*	
Custard Apples		Olives*	
Kiwifruit	\$54.6	Other Fruit	\$52.2
Lychees		All Vegetables	\$100.9
Mangoes	\$4.1	Artichokes	
Melons - Combined	<\$0.1	Asparagus	\$22.3
Muskmelons	<\$0.1	Beans	\$0.5
Watermelons		Beetroot	<\$0.1
Nashi		Broccoli/Baby Broccoli	

Sources: GTA; IRB; (Freshlogic Analysis)



Year Ending June 2018	Fresh Import Value (\$m)	Year Ending June 2018	Fresh Import Value (\$m)
Brussels Sprouts		Potatoes	
Cabbage	<\$0.1	Pumpkins	<\$0.1
Capsicums	\$4.4	Sweet Corn	
Carrots		Sweetpotatoes	\$0.4
Cauliflower		Tomatoes	\$1.8
Celery		Zucchini	
Chillies	\$0.2	Other Vegetables	\$24.5
Cucumbers		All Nuts*	\$427.5
Eggplant	<\$0.1	Almonds*	\$22.8
Eng.Spinach/Silverbeet/Kale	<\$0.1	Chestnuts*	
Fresh Herbs - Combined		Hazelnuts*	\$29.4
Fennel		Macadamias*	\$0.1
Parsley and Other Herbs		Pecans*	
Garlic	\$27.5	Pistachios*	\$33.5
Ginger	\$0.7	Walnuts*	\$49.2
Leafy Asian Vegetables		Other Nuts*	\$292.5
Leafy Salad Vegetables		Other Horticulture	\$108.0
Leeks	\$0.1	Cut Flowers	\$70.3
Head Lettuce		<i>Nursery*</i>	<i>\$37.7</i>
Mushrooms	\$11.1	Turf	
Onions	\$4.6		
Parsnips			
Peas	\$2.6		

**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.*



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 2018.

Year Ending June 2018	Fresh Supply (t)	Year Ending June 2018	Fresh Supply (t)
All Horticultural Products	4,014,358	Passionfruit	4,488
All Fruit	1,723,813	Papaya/Pawpaw	16,087
Apples	219,115	Persimmons	2,756
Avocados	81,722	Pears	59,428
Bananas	387,104	Pineapples	47,206
Berries - Combined	98,617	Summerfruit - Combined	106,684
Blueberries	16,401	Apricots	6,407
Rubus Berries	5,702	Nectarines/Peaches	84,085
Strawberries	76,514	Plums	16,192
Cherries	12,702	Table Grapes	82,401
Citrus - Combined	294,228	Processing Fruit Combined*	
Grapefruit	12,052	Dried Grapes*	
Lemons/Limes	45,611	Prunes*	
Mandarins	96,314	Other Dried Tree Fruit*	
Oranges	140,250	Canned Fruit*	
Custard Apples	1,608	Olives*	
Kiwifruit	30,327	Other Fruit	10,519
Lychees	2,167	All Vegetables	2,213,712
Mangoes	71,809	Artichokes	335
Melons - Combined	192,673	Asparagus	8,138
Muskmelons	31,046	Beans	32,688
Watermelons	161,627	Beetroot	5,414
Nashi	2,170	Broccoli/Baby Broccoli	66,471

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 2018	Fresh Supply (t)	Year Ending June 2018	Fresh Supply (t)
Brussels Sprouts	4,845	Potatoes	441,439
Cabbage	62,001	Pumpkins	113,767
Capsicums	72,617	Sweet Corn	28,241
Carrots	202,153	Sweetpotatoes	92,911
Cauliflower	67,224	Tomatoes	256,559
Celery	59,772	Zucchini	39,355
Chillies	1,737	Other Vegetables	22,506
Cucumbers	86,202	All Nuts	76,832
Eggplant	8,454	Almonds	28,403
Eng.Spinach/Silverbeet/Kale	6,302	Chestnuts	1,100
Fresh Herbs - Combined	10,966	Hazelnuts	3,326
Fennel	990	Macadamias	3,742
Parsley and Other Herbs	9,975	Pecans	1,215
Garlic	9,860	Pistachios	5,297
Ginger	3,857	Walnuts	8,135
Leafy Asian Vegetables	28,541	Other Nuts	25,615
Leafy Salad Vegetables	45,361	Other Horticulture	N/A
Leeks	8,641	Cut Flowers	N/A
Head Lettuce	138,052	<i>Nursery*</i>	<i>N/A</i>
Mushrooms	71,877	Turf	N/A
Onions	206,731		
Parsnips	3,269		
Peas	7,426		

**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.*



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 2018.

Year Ending June 2018	Wholesale Value (\$m)	Year Ending June 2018	Wholesale Value (\$m)
All Horticultural Products	\$13,411.1	Passionfruit	\$19.7
All Fruit	\$4,919.5	Papaya/Pawpaw	\$37.2
Apples	\$519.5	Persimmons	\$15.0
Avocados	\$650.9	Pears	\$93.5
Bananas	\$586.8	Pineapples	\$48.3
Berries - Combined	\$1,065.3	Summerfruit - Combined	\$391.7
Blueberries	\$394.4	Apricots	\$34.8
Rubus Berries	\$184.1	Nectarines/Peaches	\$291.0
Strawberries	\$486.8	Plums	\$66.0
Cherries	\$135.1	Table Grapes	\$313.7
Citrus - Combined	\$533.0	Processing Fruit Combined*	
Grapefruit	\$19.3	Dried Grapes*	
Lemons/Limes	\$127.0	Prunes*	
Mandarins	\$229.0	Other Dried Tree Fruit*	
Oranges	\$157.8	Canned Fruit*	
Custard Apples	\$7.2	Olives*	
Kiwifruit	\$96.8	Other Fruit	\$50.9
Lychees	\$23.0	All Vegetables	\$4,620.6
Mangoes	\$209.8	Artichokes	\$0.9
Melons - Combined	\$114.4	Asparagus	\$92.4
Muskmelons	\$35.0	Beans	\$84.2
Watermelons	\$79.4	Beetroot	\$11.5
Nashi	\$7.6	Broccoli/Baby Broccoli	\$253.4

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 2018	Wholesale Value (\$m)	Year Ending June 2018	Wholesale Value (\$m)
Brussels Sprouts	\$19.9	Potatoes	\$518.8
Cabbage	\$45.0	Pumpkins	\$77.7
Capsicums	\$183.9	Sweet Corn	\$64.0
Carrots	\$157.8	Sweetpotatoes	\$85.2
Cauliflower	\$53.5	Tomatoes	\$687.7
Celery	\$63.6	Zucchini	\$84.6
Chillies	\$10.4	Other Vegetables	\$87.9
Cucumbers	\$184.0	All Nuts	\$774.2
Eggplant	\$20.5	Almonds	\$251.1
Eng.Spinach/Silverbeet/Kale	\$20.8	Chestnuts	\$9.4
Fresh Herbs - Combined	\$209.8	Hazelnuts	\$32.6
Fennel	\$2.4	Macadamias	\$89.6
Parsley and Other Herbs	\$207.4	Pecans	\$20.1
Garlic	\$87.8	Pistachios	\$70.0
Ginger	\$53.3	Walnuts	\$84.6
Leafy Asian Vegetables	\$75.9	Other Nuts	\$216.9
Leafy Salad Vegetables	\$393.5	Other Horticulture	\$3,096.8
Leeks	\$24.2	Cut Flowers	\$376.0
Head Lettuce	\$171.4	<i>Nursery*</i>	<i>\$2,447.8</i>
Mushrooms	\$554.5	Turf	\$273.1
Onions	\$175.5		
Parsnips	\$13.1		
Peas	\$53.8		

**Note: The nursery wholesale value 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

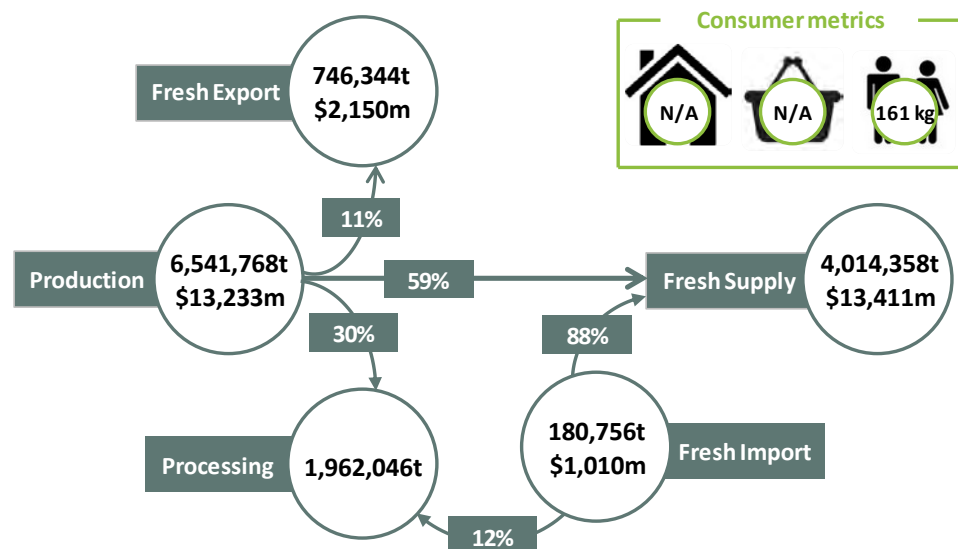
Pages 48-51 profile total horticultural production and trade. It combines information on fruit, vegetables, nuts and other horticultural categories (cut flowers, nursery and turf).

For the year ending June 2018:

- **6.54 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 **\$13.2 billion** while the wholesale value of the fresh supply was **\$13.4 billion**.
- The supply per capita was **161 kg**, based on the volume supplied.



All Fresh Horticulture Supply Chain—Year Ending June 2018



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



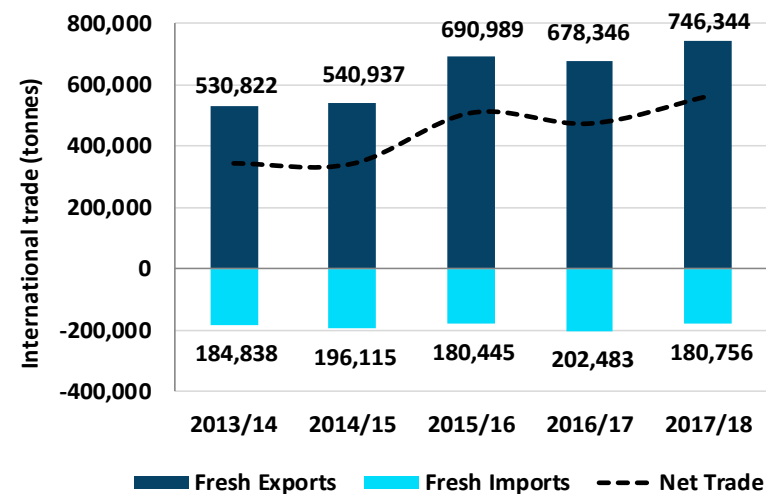
Year Ending June	2016	2017		2018	
	Value	Value	% YoY	Value	% YoY
Production (t)	6,393,024	6,359,401	>-1%	6,541,768	+3%
Production (\$m)	\$12,337.4	\$12,989.5	+5%	\$13,232.9	+2%
Production area (Ha)	-	-	-	-	-
Fresh Export Volume (t)	690,989	678,346	-2%	746,344	+10%
Fresh Export Value (\$m)	\$ 2,116.4	\$ 2,031.9	-4%	\$ 2,149.6	+6%
Fresh Import Volume (t)	180,445	202,483	+12%	180,756	-11%
Fresh Import Value (\$m)	\$ 1,013.3	\$ 1,086.9	+7%	\$ 1,010.5	-7%
Fresh Supply (t)	3,895,448	3,950,710	+1%	4,014,358	+2%
Fresh Supply Wholesale Value (\$m)	\$12,337.5	\$13,353.6	+8%	\$13,411.1	<1%
Supply per Capita (kg)	161.57	161.18	>-1%	161.01	>-1%

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

*Note: Figures has been modified from those published in the previous edition of the handbook (2016/17 edition).

All Fresh Horticulture International Trade

Australia is a net exporter of fresh horticultural products. For the year ending June 2018, Australia exported **746,344 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.



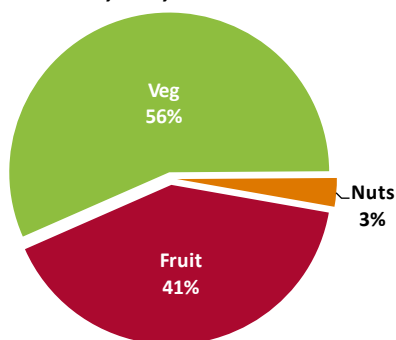
Source: GTA



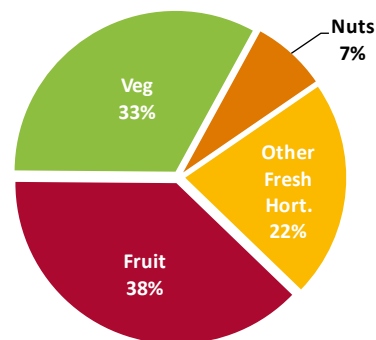
Production

The charts below profile the share of total Australian production of all horticultural categories during the year ending June 2018. 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 -
6,541,768 t**



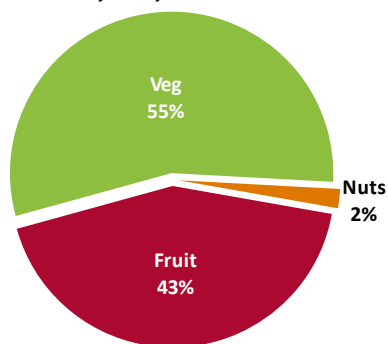
**Value of Production -
\$13,232.9 m**



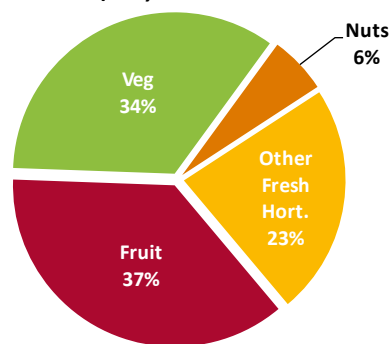
Fresh supply

The charts below profile the share of the total fresh supply of all horticultural categories during the year ending June 2018.

**Fresh Supply Volume -
4,014,358 t**



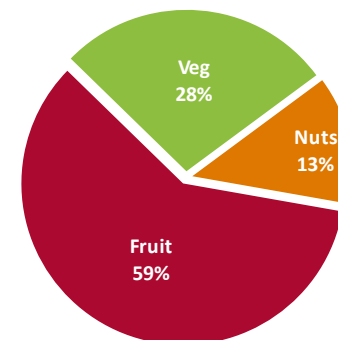
**Wholesale Value -
\$13,411.1 m**



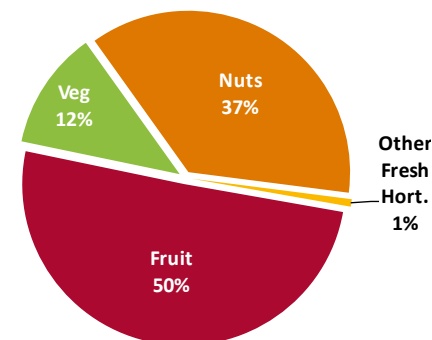
Fresh exports

The charts below profile the share of total Australian fresh exports of all horticultural categories during the year ending June 2018.

**Fresh Export Volume -
746,344 t**



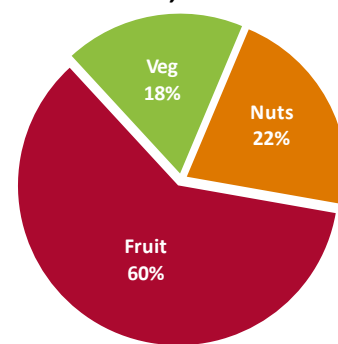
**Fresh Export Value -
\$2,149.6 m**



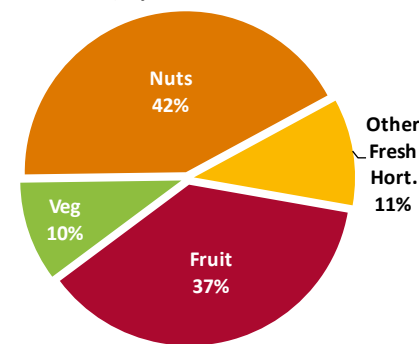
Fresh imports

The charts below profile the share of total Australian fresh imports of all horticultural categories during the year ending June 2018.

**Fresh Import Volume -
180,756 t**



**Fresh Import Value -
\$1,010.5 m**





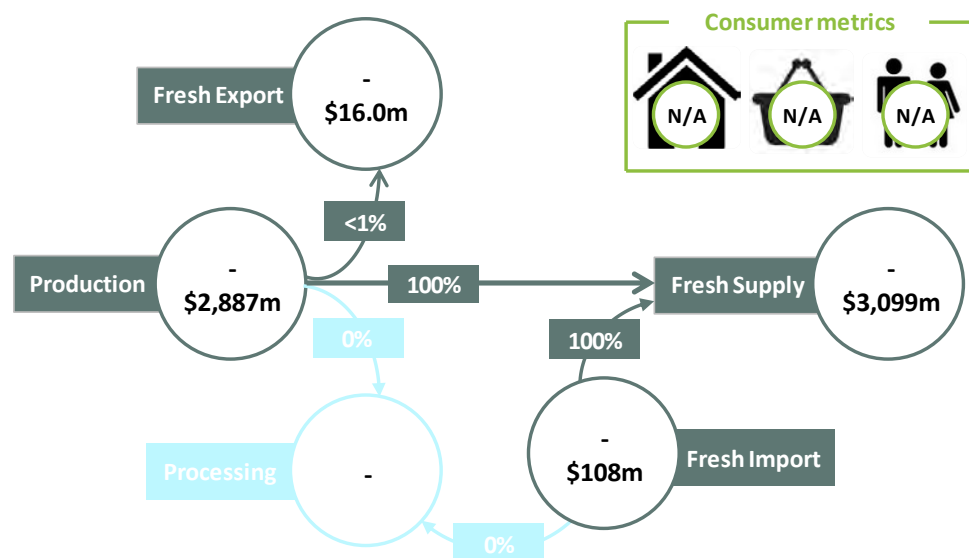
All Other Horticulture Overview

Pages 460-461 profile total production and trade for other horticultural categories. It combines information on all other categories covered in this handbook, being cut flowers, nursery, and turf. Each of these categories are individually profiled in their own sections.

For the year ending June 2018:

- Production of these categories are not measured in tonnes.
- The value of production was **\$2.89 billion** while the wholesale value of the fresh supply was **\$3.10 billion**.

All Other Fresh Horticulture Supply Chain—Year Ending June 2018



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



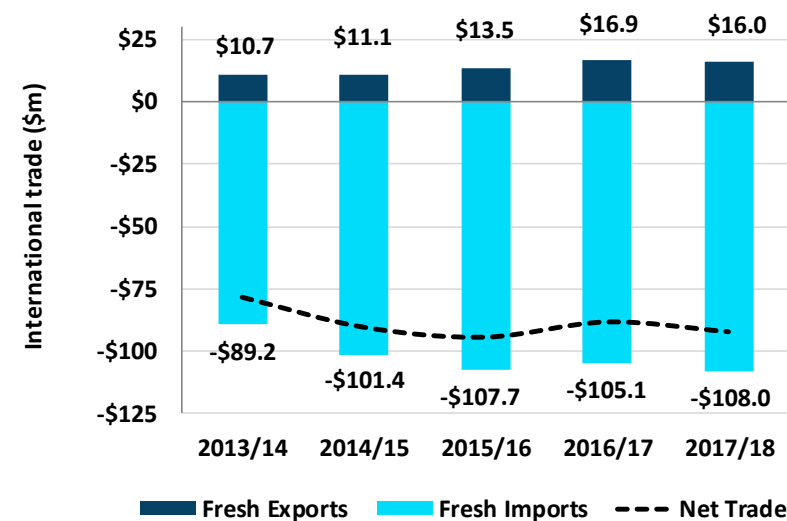
Year Ending June	2016	2017		2018	
	Value	Value	% YoY	Value	% YoY
Production (t)	-	-	-	-	-
Production (\$m)	\$ 2,817.7	\$ 2,836.2	<1%	\$ 2,884.9	+2%
Production area (Ha)	18,534	-	-	-	-
Fresh Export Volume (t)	-	-	-	-	-
Fresh Export Value (\$m)	\$ 13.5	\$ 16.9	+25%	\$ 16.0	-6%
Fresh Import Volume (t)	-	-	-	-	-
Fresh Import Value (\$m)	\$ 107.7	\$ 105.1	-2%	\$ 108.0	+3%
Fresh Supply (t)	-	-	-	-	-
Fresh Supply Wholesale Value (\$m)	\$ 3,030.1	\$ 3,046.1	<1%	\$ 3,096.8	+2%
Supply per Capita (kg)	-	-	-	-	-

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

All Other Fresh Horticulture International Trade

Australia is a net importer of these categories. For the year ending June 2018 Australia imported **\$108 million** of these categories, as profiled in the graph below, where imports are counted as negative million dollars.

Net All Other Fresh Horticulture International Trade



Source: GTA



Cut Flower Overview

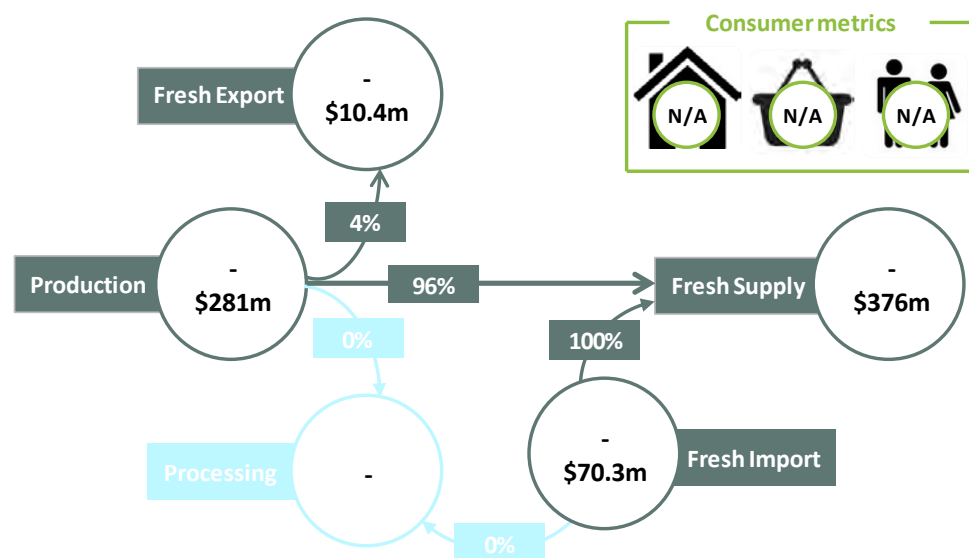
Cut flowers are grown year round in Australia, with peaks in February for Valentines' day, May for Mother's Day, and a smaller peak in December for Christmas. Production occurs in high tech glasshouses, lower tech protected cropping, as well as in outdoor fields. The majority of cut flowers grown in Australia are grown in Victoria.

Cut flowers have been represented in the supply chain below by their value rather than volume due to inconsistencies in the units by which volume of production is measured.

For the year ending June 2018:

- The value of production was **\$280.6 m** while the local wholesale value of the fresh supply was **\$376.9 m**.

Cut Flower Supply Chain—Year Ending June 2018



Sources: ABS; AC; CFVIWA; Flower Association (FA); GTA; (Freshlogic Analysis)



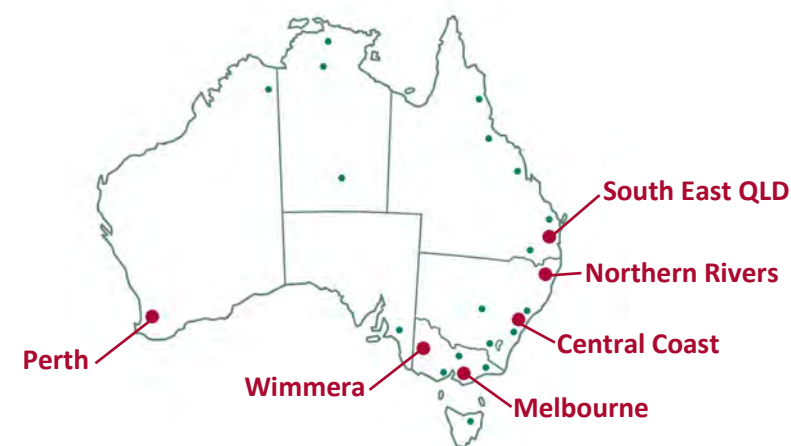
Year Ending June	2016	2017		2018	
	Value	Value	% YoY	Value	% YoY
Production (m units)	-	-	-	-	-
Production (\$m)	\$ 270.2	\$ 275.6	+2%	\$ 280.6	+2%
Production area (Ha)	4,296	-	-	-	-
Export Volume (m units)	-	-	-	-	-
Fresh Export Value (\$m)	\$ 7.8	\$ 9.7	+24%	\$ 10.4	+7%
Import Volume (m units)	-	-	-	-	-
Fresh Import Value (\$m)	\$ 67.3	\$ 66.8	>1%	\$ 70.3	+5%
Fresh Supply (m unit)	-	-	-	-	-
Fresh Supply Wholesale Value (\$m)	\$ 368.1	\$ 370.9	<1%	\$ 376.0	+1%
Supply per Capita (kg)	-	-	-	-	-

Sources: ABS; AC; CFVIWA; FA; GTA; (Freshlogic Analysis)

Major Cut Flower Production Areas

Cut flowers are produced predominantly in the southern states of Australia.

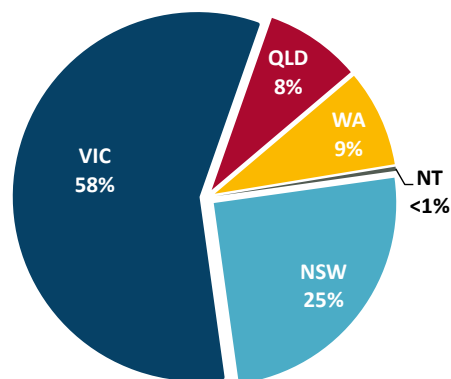
Major production regions include: **Wimmera** and the **Melbourne region** of Victoria; the **Perth region** of Western Australia; the **Central Coast** and **Northern Rivers** regions of New South Wales; and **South East** of Queensland.



Source: FA



2017/18 Cut Flower Production by State



Source: FA

Cut Flower Seasonality by State

State	17/18 \$m	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
New South Wales	\$70.2												
Victoria	\$161.5												
Queensland	\$23.7												
Western Australia	\$24.1												
Northern Territory	\$1.0												
Imported	\$70.3												
Availability legend		High		Medium		Low		None					

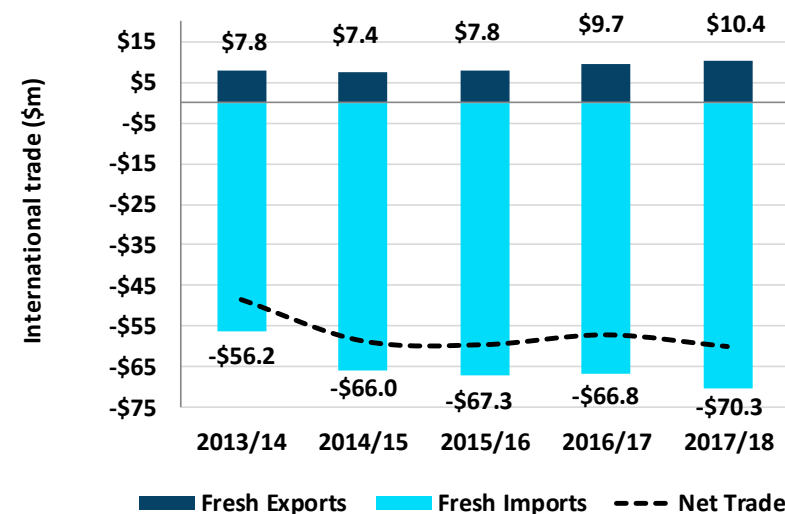
Source: FA

Cut Flower International Trade

Australia is a net importer of fresh cut flowers, with smaller amounts of exports every year. International trade has been presented in terms of value rather than volume, due to inconsistencies in the way trade volume data is recorded. For the year ending June 2018, Australia exported **\$10.4 million**, and imported **\$70.3 million** worth of cut flowers. The exports and imports over the last 5 financial years is profiled in the graph to the right, where imports are counted as negative million dollars.



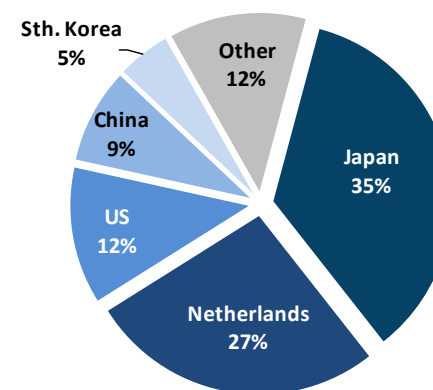
Net Cut Flowers International Trade



Source: GTA

For the year ending June 2018, **35%** of the value of cut flower exports were sent to Japan, as profiled in the chart below.

2017/18 Cut Flower Exports by Country



Source: GTA



Cut Flower Imports and Exports by State

Imports by state destination (\$m)				Exports by state of production origin (\$m)			
Year Ending June	2016	2017	2018	Year Ending June	2016	2017	2018
New South Wales	\$ 30.3	\$ 25.4	\$ 26.1	Western Australia	\$ 2.2	\$ 3.1	\$ 4.3
Victoria	\$ 22.0	\$ 24.7	\$ 25.8	Victoria	\$ 0.7	\$ 1.0	\$ 1.7
Western Australia	\$ 8.7	\$ 8.9	\$ 8.8	Queensland	\$ 4.2	\$ 4.4	\$ 4.1
Queensland	\$ 4.5	\$ 5.5	\$ 6.9	New South Wales	\$ 0.7	\$ 1.0	\$ 0.3
South Australia	\$ 1.7	\$ 2.3	\$ 2.7	Other	\$ -	\$ 0.2	\$ 0.0
TOTAL	\$ 67.3	\$ 66.8	\$ 70.3	TOTAL	\$ 7.8	\$ 9.7	\$ 10.4

Cut Flower Imports and Exports by Country

Imports by country (\$m)				Exports by country (\$m)			
Year Ending June	2016	2017	2018	Year Ending June	2016	2017	2018
Kenya	\$ 24.3	\$ 16.2	\$ 17.4	Japan	\$ 1.8	\$ 2.7	\$ 3.7
Malaysia	\$ 10.3	\$ 12.0	\$ 15.3	Netherlands	\$ 2.8	\$ 2.8	\$ 2.8
Ecuador	\$ 6.6	\$ 9.1	\$ 9.7	US	\$ 1.8	\$ 1.6	\$ 1.3
Colombia	\$ 7.4	\$ 9.1	\$ 9.2	China	\$ 0.3	\$ 0.5	\$ 0.9
China	\$ 3.5	\$ 4.7	\$ 4.1	Sth. Korea	\$ 0.1	\$ 0.4	\$ 0.5
Other	\$ 15.1	\$ 15.7	\$ 14.6	Other	\$ 1.0	\$ 1.6	\$ 1.3
TOTAL	\$ 67.3	\$ 66.8	\$ 70.3	TOTAL	\$ 7.8	\$ 9.7	\$ 10.4

Source: GTA





Nursery Overview

Nursery covers live plants grown for a range of uses that include; landscaping, revegetation and distribution of ornamental retail supply chains, plus as starter plants in the commercial production of fruit, vegetables and forestry. Nursery production occurs in all states and territories of Australia, with the majority of production occurring in Victoria, Queensland and New South Wales. Production occurs year-round, with peaks during the key crop planting periods to accommodate the spring season for ornamental retail product lines.

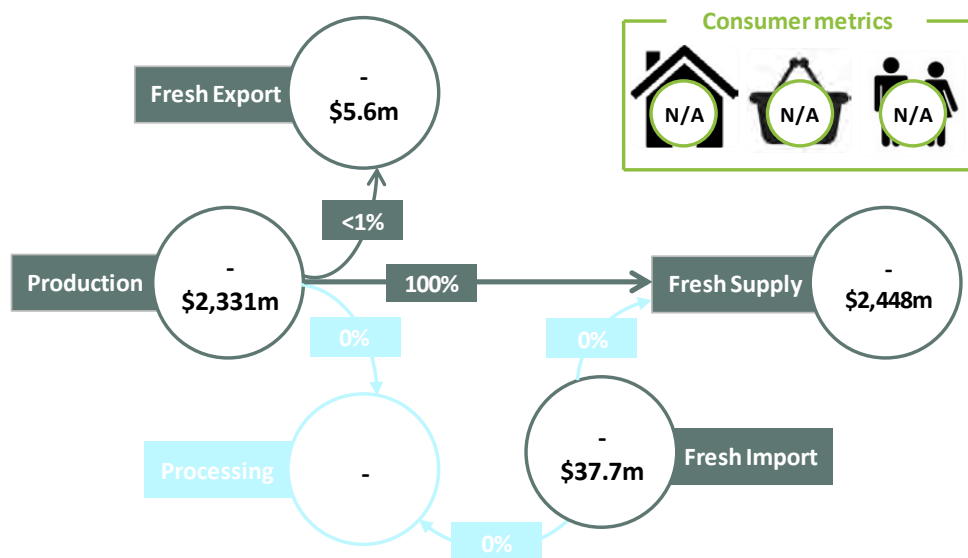


Production has been represented below by their value rather than volume.

For the year ending June 2018:

- The value of production was **\$2.33 billion** while the wholesale value of the fresh supply was **\$2.45 billion**.

Nursery Supply Chain—Year Ending June 2018



Sources: ABS; GTA; Hort Innovation; Nursery & Garden Industry Australia (NGIA)



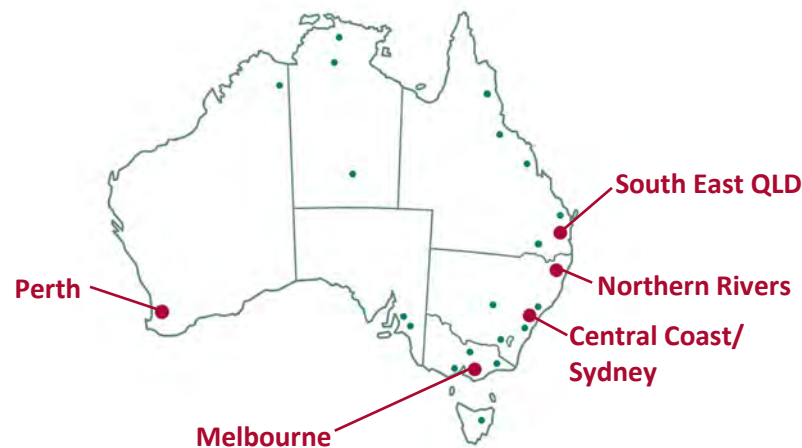
Year Ending June	2016	2017		2018	
	Value	Value	% YoY	Value	% YoY
Production (m units)	1,618	1,618	-	1,634	+1%
Production (\$m)	\$ 2,290.0	\$ 2,290.0	-	\$ 2,331.2	+2%
Production area (Ha)	10,502	10,502	-	10,502	-
Export Volume (m units)	-	-	-	-	-
Fresh Export Value (\$m)	\$ 5.7	\$ 7.2	+26%	\$ 5.6	-22%
Import Volume (m units)	-	-	-	-	-
Fresh Import Value (\$m)	\$ 40.4	\$ 38.3	-5%	\$ 37.7	-2%
Fresh Supply (m unit)	-	-	-	-	-
Fresh Supply Wholesale Value (\$m)	\$ 2,404.5	\$ 2,404.5	>-1%	\$ 2,447.8	+2%
Supply per Capita (kg)	-	-	-	-	-

Sources: ABS; GTA; Hort Innovation; NGIA

**Note: Production value for nursery has been measured outside of THRUChain methodology, based directly on project output from NY16004.*

Major Nursery Production Areas

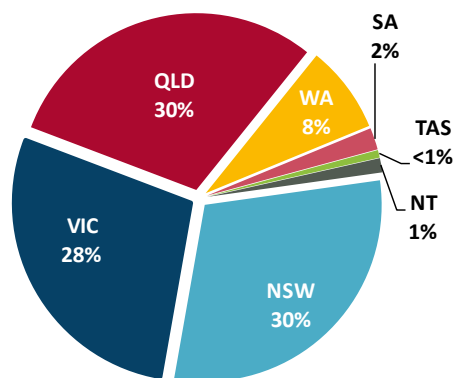
Nursery production occurs predominantly along the eastern sea board of Australia. Major production regions include: **Perth** in Western Australia; **South East** of Queensland; the **Northern Rivers** and **Central Coast/Sydney** regions of New South Wales; and the **Melbourne region** of Victoria.



Source: NGIA



2017/18 Nursery Production by State



Source: NGIA

Nursery Seasonality by State

State	17/18 \$m	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
New South Wales	\$699.4												
Victoria	\$652.7												
Queensland	\$699.4												
Western Australia	\$186.5												
South Australia	\$46.6												
Tasmania	\$16.3												
Northern Territory	\$30.3												
Imported	\$37.7												
Availability legend			High		Medium			Low					None

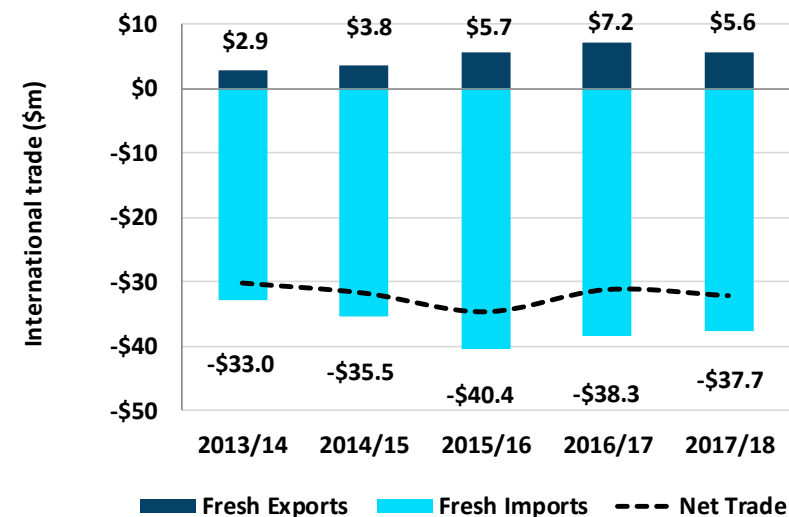
Source: NGIA

Nursery International Trade

Australia is a net importer of nursery products, however export value of nursery have increased over recent years. International trade has been presented in terms of value rather than volume, due to the way trade data is recorded. For the year ending June 2018, Australia exported **\$5.6 million** worth, and imported **\$37.7 million** worth. The exports and imports over the last 5 financial years is profiled in the graph to the right, where imports are counted as negative dollars.



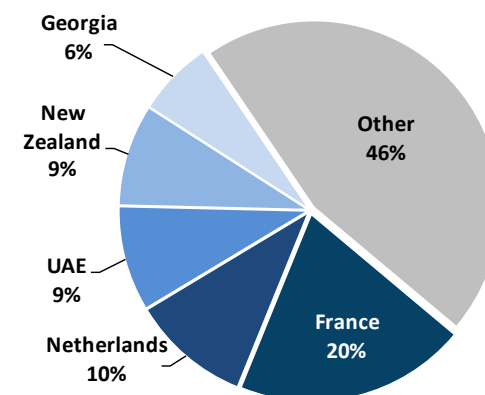
Net Nursery International Trade



Source: GTA

For the year ending June 2018, **20%** of the value of nursery plant exports were sent to France, as profiled in the chart below.

2017/18 Nursery Exports by Country



Source: GTA



Nursery Imports and Exports by State

Imports by state destination (\$m)				Exports by state of production origin (\$m)			
Year Ending June	2016	2017	2018	Year Ending June	2016	2017	2018
Victoria	\$ 28.5	\$ 26.4	\$ 24.7	Victoria	\$ 1.7	\$ 1.9	\$ 2.0
Queensland	\$ 6.3	\$ 6.2	\$ 6.6	New South Wales	\$ 1.7	\$ 2.0	\$ 1.4
Western Australia	\$ 2.3	\$ 2.4	\$ 2.8	Western Australia	\$ -	\$ 0.7	\$ 0.8
New South Wales	\$ 1.6	\$ 1.7	\$ 1.9	Queensland	\$ 2.0	\$ 2.0	\$ 0.8
South Australia	\$ 1.1	\$ 1.1	\$ 1.1	Tasmania	\$ 0.2	\$ 0.3	\$ 0.4
Other	\$ 0.6	\$ 0.5	\$ 0.6	Other	\$ 0.1	\$ 0.3	\$ 0.1
TOTAL	\$ 40.4	\$ 38.3	\$ 37.7	TOTAL	\$ 5.7	\$ 7.2	\$ 5.6

Nursery Imports and Exports by Country

Imports by country (\$m)				Exports by country (\$m)			
Year Ending June	2016	2017	2018	Year Ending June	2016	2017	2018
Netherlands	\$ 19.5	\$ 17.0	\$ 16.2	France	\$ 1.0	\$ 0.8	\$ 1.1
Taiwan	\$ 9.8	\$ 10.3	\$ 9.8	Netherlands	\$ 0.6	\$ 0.6	\$ 0.6
China	\$ 3.5	\$ 3.4	\$ 4.4	UAE	\$ -	\$ 0.4	\$ 0.5
New Zealand	\$ 2.1	\$ 1.8	\$ 1.7	New Zealand	\$ 0.8	\$ 0.6	\$ 0.5
India	\$ -	\$ 1.3	\$ 1.5	Georgia	\$ -	\$ -	\$ 0.4
Other	\$ 5.5	\$ 4.4	\$ 4.1	Other	\$ 3.3	\$ 4.7	\$ 2.6
TOTAL	\$ 40.4	\$ 38.3	\$ 37.7	TOTAL	\$ 5.7	\$ 7.2	\$ 5.6

Source: GTA





Turf Overview

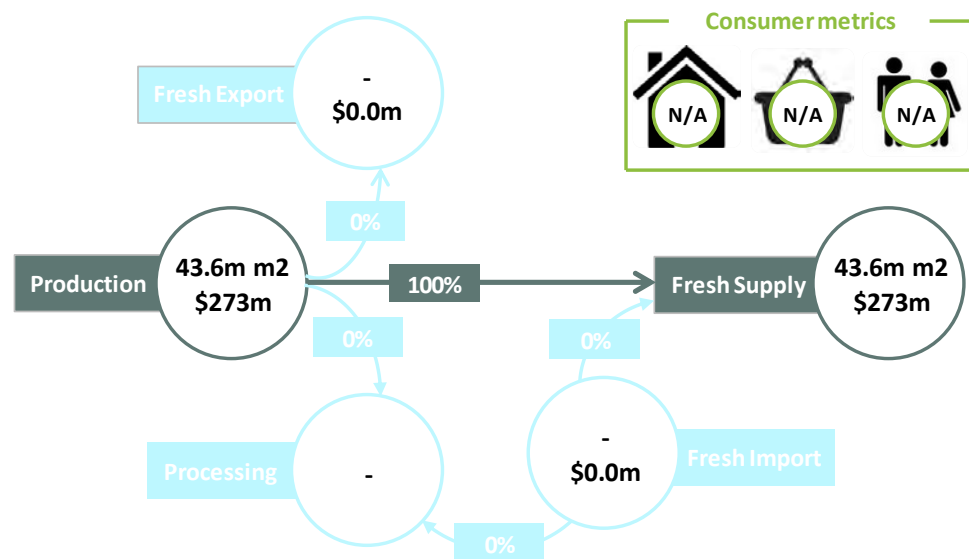
Turf covers live grass products grown for parks, gardens, residential and commercial properties, sporting venues and for land rehabilitation and landscape improvement purposes. Production occurs in all states and territories of Australia. The majority of production occurs in New South Wales and Queensland. Production is year-round, with a number of different varieties being grown, although there is a peak of production during the spring and summer months.

Turf production has been represented in the supply chain below by million square metres.

For the year ending June 2018:

- **43.6 million m²** was produced.
- Turf production was worth **\$273.1 m** in Value of Production, with the fresh supply of turf having a Wholesale Value of **\$273.1 m**.

Turf Supply Chain—Year Ending June 2018



Sources: AC; CFVIWA; GTA; Turf Australia (TA); (Freshlogic Analysis)



Year Ending June	2016	2017		2018	
	Value	Value	% YoY	Value	% YoY
Production (m m2)	42.2	43.8	+4%	43.6	>-1%
Production (\$m)	\$ 257.5	\$ 270.6	+5%	\$ 273.1	<-1%
Production area (Ha)	3,736	3,880	+4%	3,863	>-1%
Fresh Export Volume (t)	-	-	-	-	-
Fresh Export Value (\$m)	\$ -	\$ -	-	\$ -	-
Fresh Import Volume (t)	-	-	-	-	-
Fresh Import Value (\$m)	\$ -	\$ -	-	\$ -	-
Fresh Supply (m m2)	42.2	43.8	+4%	43.6	>-1%
Fresh Supply Wholesale Value (\$m)	\$ 257.5	\$ 270.6	+5%	\$ 273.1	<-1%
Supply per Capita (kg)	-	-	-	-	-

Sources: AC; CFVIWA; GTA; TA; (Freshlogic Analysis)

Major Turf Production Areas

Turf production occurs predominantly along the eastern sea board of Australia.

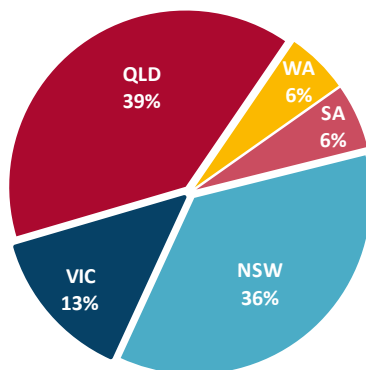
North Queensland and the **Wide Bay, Sunshine Coast, Lockyer** and **Scenic Rim regions** in south east Queensland; the **Central Coast, Lower Hunter** and **Hawkesbury regions** of New South Wales; the **Greater Melbourne region** (including the **Yarra Valley**) of Victoria; and the **Far Northern** and **Southern** areas of the **Greater Perth region** in Western Australia.



Source: TA



2017/18 Turf Production by State



Source: TA

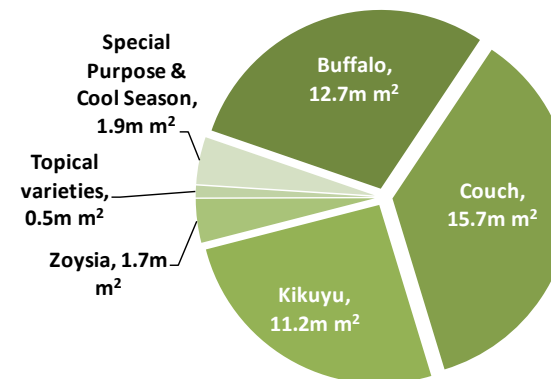
Turf Seasonality by State

State	17/18 m²	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
New South Wales	15.6												
Victoria	5.9												
Queensland	17.0												
Western Australia	2.5												
South Australia	2.6												
Availability legend			High		Medium			Low				None	

Source: TA



2017/18 Turf Production by Variety



Source: TA

