

STEERING & GUIDANCE

This project would not have been possible without the strong guidance of our Steering Committee and Industry Advisory Group. In particular, we would like to thank Andrew McCallum of MBIE for his tireless energy in keeping this project on track, while at the same time pushing us forward.

We are grateful for all of the input we have received, but the report is ours and any errors are our own.

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- It is the currency most used in international trade
- It allows for cross country comparisons (e.g. vs. Denmark)
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- It is more comprehensible to non-NZ audiences (e.g. foreign investors)
- It is the currency in which the United Nations collects and tabulates global trade data

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Emerging Growth Opportunities (EGO) research is part of the wider Food and Beverage Information Project



The objective of the project is to determine the emerging growth opportunities in New Zealand's food and beverage exports

SITUATION

New Zealand has a clear comparative advantage in food & beverage (and the wider agricultural value chain). Food & beverages exports are \$29b and account for 43% of New Zealand's total exports (goods and services).

New Zealand has a long history in producing and exporting food & beverages. New Zealand firms have a limited number of large export categories, including dairy, beef, lamb, seafood, apples and more recently kiwifruit. Wine has also emerged in the last 20 years to become a billion dollar export. Growth has come from more volume but more importantly more value.

Past research as part of the Food & Beverage Information Project (see Emerging Growth Opportunities 2012) identified a range of growing and emerging export sectors.

Industry and the government recognise that high growth industries typically need new capital and new capabilities to continue to grow and develop.

OBJECTIVE

The objective of this report is to identify emerging high potential food and beverage export categories from New Zealand.

Answering the question - What will be the next wine industry?

The research draws conclusions on potential industry **strategic directions**, highlights **opportunities** for further **investment** and identifies categories which have the potential to contribute to the goal of **growing exports**.

It forms a part of – and builds on the information in - the wider Food & Beverage Information Project.

AUDIENCE

The report is designed to be used by four audiences:

- **Investors** (domestic or international)
- Industry participants (firms & individuals)
- Government (across all roles and responsibilities)
- Scientific researchers (academic, government & corporate)

EXECUTIVE SUMMARY

The project identifies high potential growth opportunities in New Zealand food and beverage exports

Stage I analysed the performance of <u>all</u> New Zealand Food and Beverage export trade codes.

Stage I screened for category size and growth export metrics to determine the first cut of emerging growth categories.

From this ranking exercise, twenty products were delivered to Stage II.

Stage II profiled, analysed and ranked the twenty strongest growth categories.

What do they have in common?

The research finds they are often unique (e.g. manuka honey, salmon, lobster) counterseasonal (e.g. berries, cherries) on-trend (e.g. other beverages) and/or leverage provenance (petfood, mussel extracts).

They attract a significant price premium in the market. They target key markets (e.g. China, Australia).

A size of the prize assessment and attractiveness score then ranks these categories into the Good, Better, Best of food and beverage categories. Stage III deep-dive into four identified categories to draw conclusions on potential industry strategic directions and highlight opportunities for further investment.





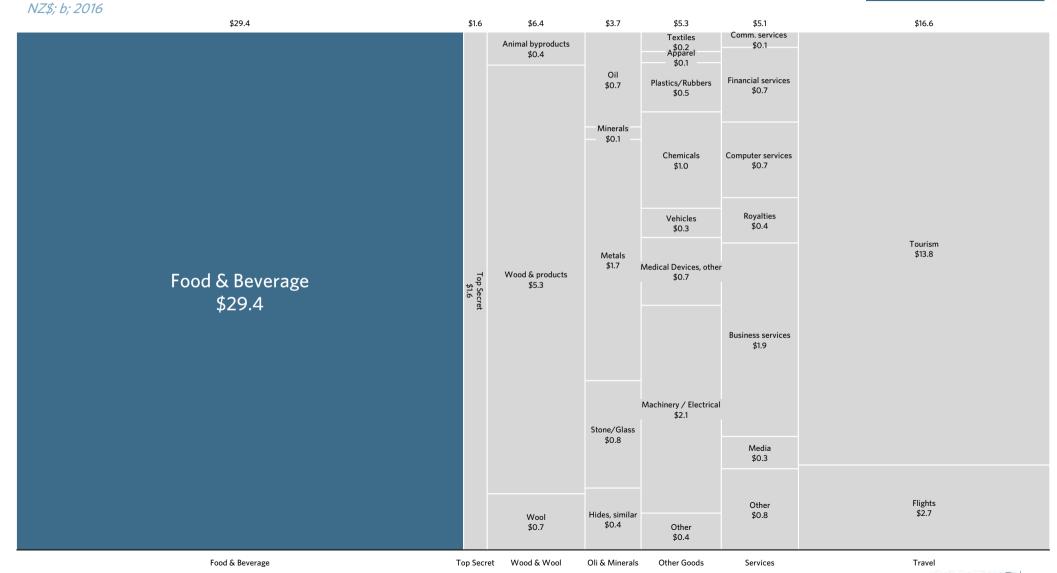




Food and beverage is important to New Zealand, accounting for almost half of total exports

TOTAL NEW ZEALAND EXPORT OF GOODS AND SERVICES BY CATEGORY

NEW ZEALAND DOLLARS

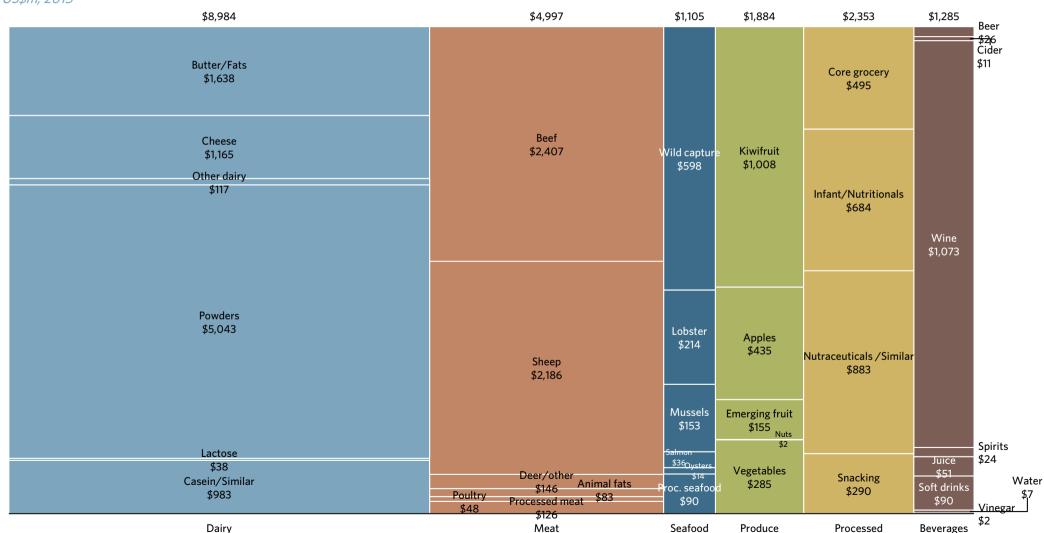


New Zealand's food and beverage exports are made up of six major sectors with a wide range of categories under these

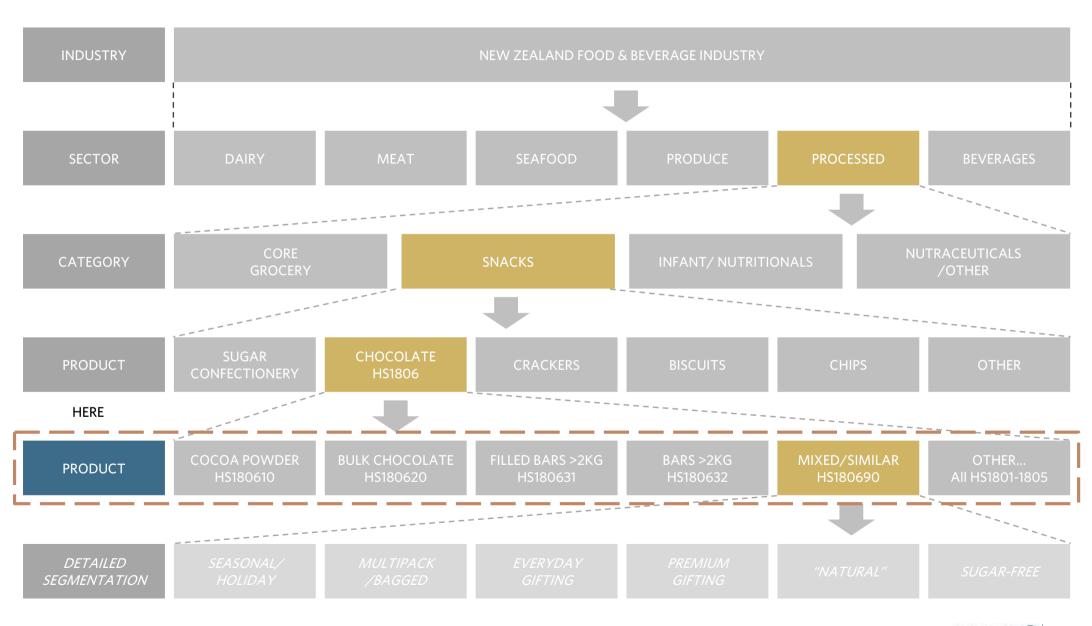
US DOLLARS
TOTAL = US\$20,608m

NEW ZEALAND FOOD & BEVERAGE EXPORTS BY SECTOR & HIGH-LEVEL CATEGORY

US\$m; 2015

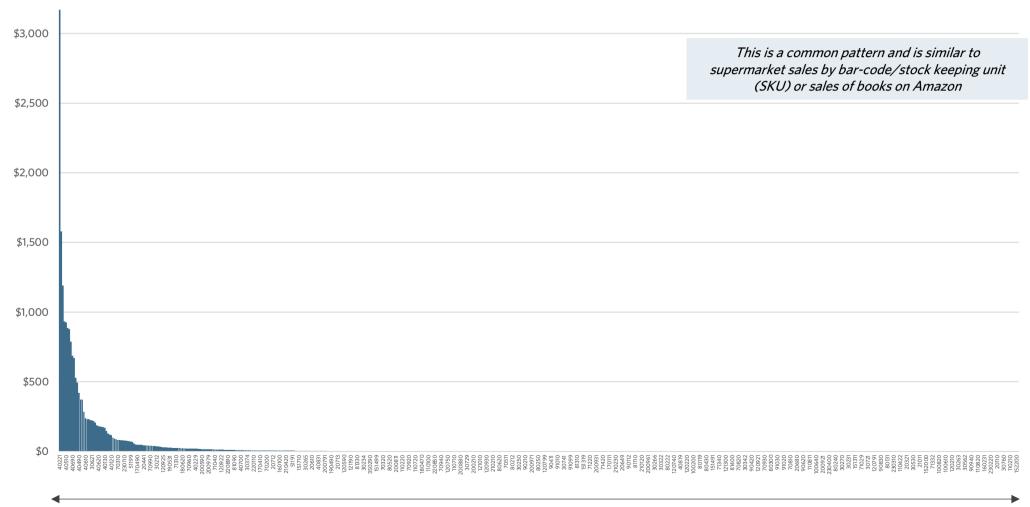


This project is looking beyond the sectors or category level into product-level (where possible); however it does not reach into detailed segmentation*



New Zealand exports 594 of the 697 global six digit "product-level" trade codes; the distribution of exports forms a "long tail" distribution, with a small number of large products and a large number of small products

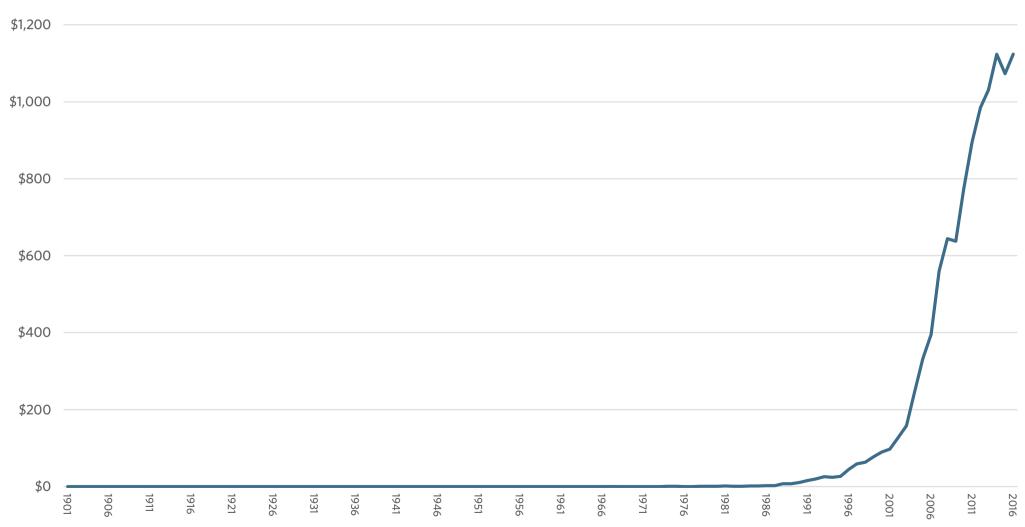
NEW ZEALAND FOOD & BEVERAGE EXPORT VALUE ACROSS ALL SIX DIGIT (HS6) TRADE CODES US\$; m; 2016



Conceptually this project is looking for "the next wine industry" - a product that can create a large export industry from almost nothing



(US\$m; 1901-2016)



Much of the analysis in this research relies on global trade data to analyse products and categories, please note the limitations below

DETAILS OF GLOBAL TRADE DATA ANALYSED IN THE PROJECT

Model; 2017

WHAT IS IT? Statistical data on reported cross-border movements of merchandise goods

WHO COLLECTS IT? Data is collected by national statistical agencies in every country from their own customs department

Data is submitted to the United Nations as part of membership

WHERE DOES IT COME FROM? Raw data is derived from import/export paperwork as submitted to national customs agencies by millions of

individual firms globally

WHAT ARE THE UNITS? Volume data is in kilograms or litres

Value data is in local currency converted into US\$ to enable global comparisons Export value is free-on-board (FOB); import data is cost-insurance-and-freight (CIF)

WHAT ARE THE LIMITATIONS?

- Some products do not have specific trade codes, typically smaller categories or newer products developed since the latest revision to the global trade codes; these are captured in "not elsewhere specified" (nes) categories; these cannot be disaggregated or analysed further (discussed following page)
- Errors can and do occur in the data (imagine entering data on an airfreight container into a handheld computer in a frozen food warehouse at 2am)
- Data is as declared to customs for tariff/tax purposes
- Imports reported by one country do not directly /exactly match exports as reported by another country (for a range of reasons); this is why NZ export data (FOB) does not always match the import data (CIF) (e.g. NZ reports exporting US\$17m in maize seed, however countries report receiving US\$29m
- Global trade codes can only be analysed at the six digit level as these codes are common globally
- Global trade data cannot be analysed at the more detailed ten digit level as these codes vary by country
- Sending country and receiving country product classification may vary
- Some countries do not submit data (e.g. North Korea) or are not members of the UN (e.g. Taiwan/Chinese Taipei)
- Some countries occasionally or periodically submit data, or did and have stopped (e.g. UAE)
- Trade flows to non-reporting/unavailable countries can only be analysed through looking at what all available exporting countries report sending to them

WHY USE IT?

- It is the only comprehensive available source of global cross-border merchandise flows
- Comprehensive, detailed and highly accurate overall when evaluated judiciously
- Unlike various types of in-market data, it captures all uses (retail, foodservice, industrial, military, etc.)

As a limitation, some trade codes - particularly with dairy - are not species specific

EXAMPLES OF PRODUCTS WITHOUT SPECIFIC AGREED UPON GLOBAL TRADE CODES

As of last Harmonised Standard revision (HS12) in 2012

INFANT FORMULA (HS190110)







COW

GOAT

SHEEP

All exported under same code

We cannot analyse a number of products like this by species as species is not coded in global trade codes

Other methodologies outside this scope need to be used for additional detail

Alternatively, the New Zealand government can modify its own ten digit trade codes

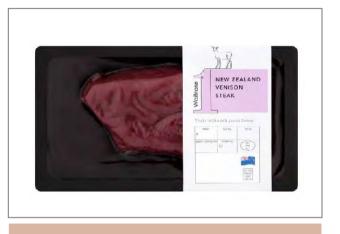
As a limitation, some products do not have specific global trade codes which limits our ability to analyse these with extreme clarity

EXAMPLES OF PRODUCTS WITHOUT SPECIFIC AGREED UPON GLOBAL TRADE CODES

As of last Harmonised Standard revision (HS12) in 2012







FEIJOA

HS081090 Edible fruit and nuts; other fruit, fresh, other

 South American plant introduced to New Zealand; new varieties with better performance bred in New Zealand; no global trade code

RESULTS
We can only analyse this as a "catch all" code

KIWIFRUIT JUICE

HS200989

Juice of any other single fruit or vegetable not elsewhere specified, other

 Not exported in any significant quantity by any country other than New Zealand, therefore no common six digit global trade code assigned

RESULTS We can only analyse this as a "catch all" code

VENISON

HS020890

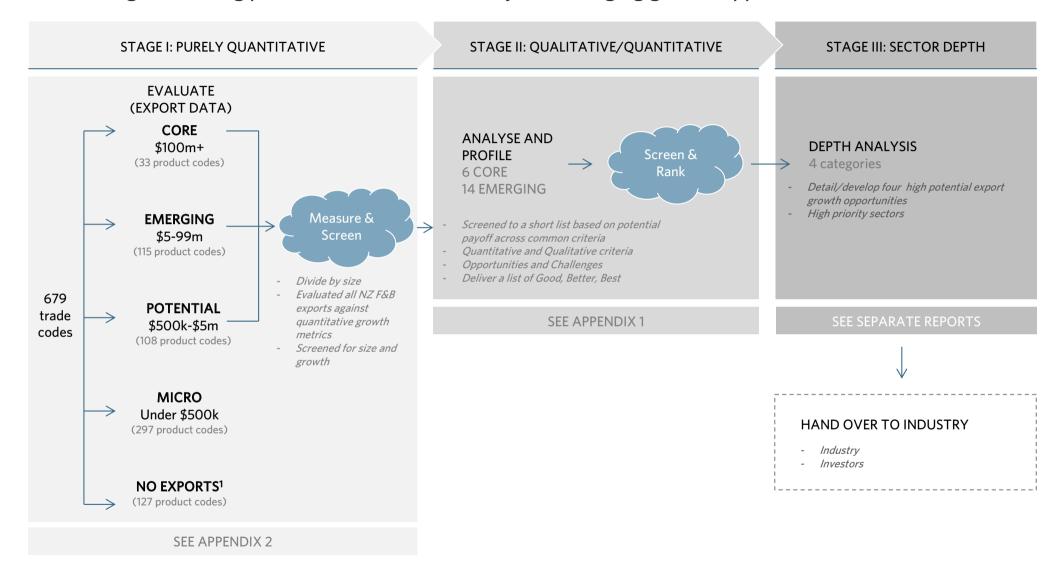
Other meat and edible meat offal, fresh, chilled or frozen, other than sheep, beef, goats, poultry, pork, horse, camels, rabbits, reptiles and primates

- Minor meat species; farming pioneered in New Zealand; no global trade code

RESULTS
We basically assume everything
NZ exports under this code is venison

METHODOLOGY

A three stage screening process was used to identify the emerging growth opportunities



Key Takeaways

+ Findings

The screening process identified 20 product categories with the potential to deliver significant growth

SEE APPENDIX 1 FOR RESULTS OF SCREEN

RESULTS OF STAGE II SCREEN

<u>GOOD</u>

Rock lobster, fresh High fat fluid milk/cream Other preserved fruit Prepared chicken meat Maize seed

BETTER

Fresh cheese (mozzarella)
Chocolate mixed
Blueberries
Avocados
Extracts, seafood & meat
Bulk infant formula &
other sweet. WMP

<u>BEST</u>

Infant formula, retail
Innovative Foods
Honey
Dog or cat food, retail
Salmon, chilled whole
Cherries
Filled chocolate bars/blocks
Breakfast cereal, muesli bars
Other flavoured beverages

Identified growth categories display one or more characteristics in common









UNIQUE

COUNTER-SEASONAL

ON-TREND

STATUS/PROVENANCE

Produce a limited amount &/or differentiate

Salmon (King)

Chocolate mixed

Other flavoured beverages

Rock Lobster, fresh
Honey

Ch

Fresh, quality, premium products

Cherries Blueberries Maize seed Avocado Growth premium products

High fat fluid milk/cream
Fresh cheese
Innovative Foods
Filled chocolate bars
Extracts, Meat & Seafood
Other flavoured beverages
Breakfast cereal and muesli bars
Avocado
Other prepared fruit

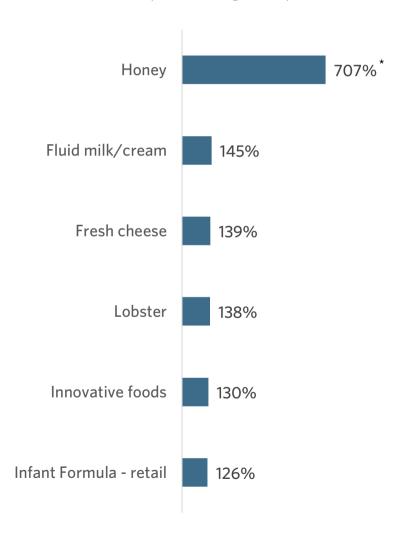
Branded, status products with provenance

Infant formula, retail
Extracts, Meat & Seafood
Cherries
Salmon (King)
Filled chocolate bars
Chocolate mixed
Dog or cat food retail
Bulk infant formula &
other sweet. WMP
Prepared Chicken meat

New Zealand exports obtain a significant price premium over the world price in nearly all the growth categories; honey for example achieving 707% over the world price

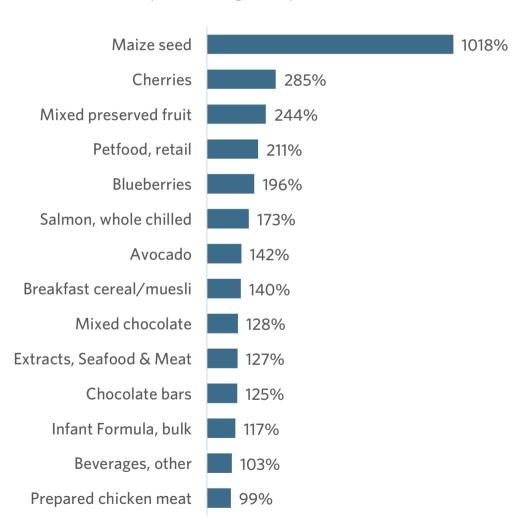
TOP 6 "CORE" CATEGORY PREMIUMS

2016; %; \$US/unit; NZ price vs average world price



TOP 14 "EMERGING" CATEGORY PREMIUMS

2016; %; \$US/unit; NZ price vs average world price

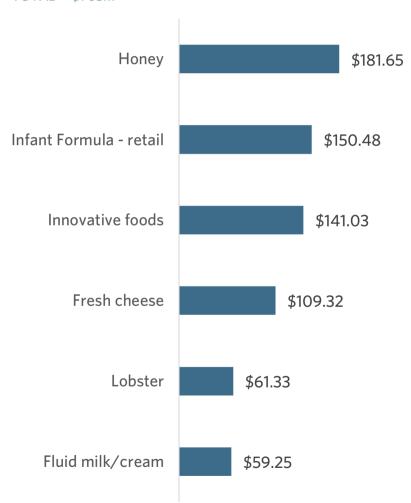


These above average price premiums equate to a total value of \$880m for the select categories

TOTAL = \$880m

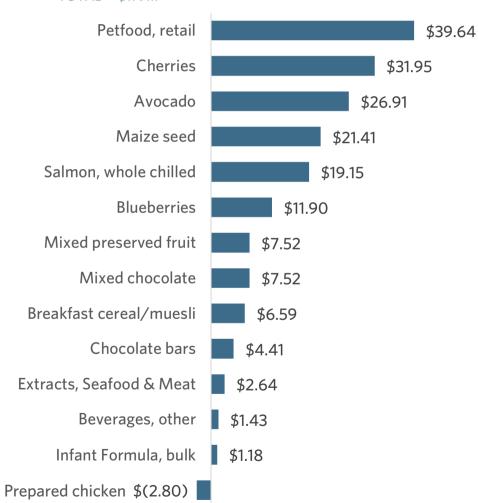
TOP 6 "CORE" CATEGORY PREMIUM VALUE*

2016; \$USm; based on NZ export volumes TOTAL = \$703m

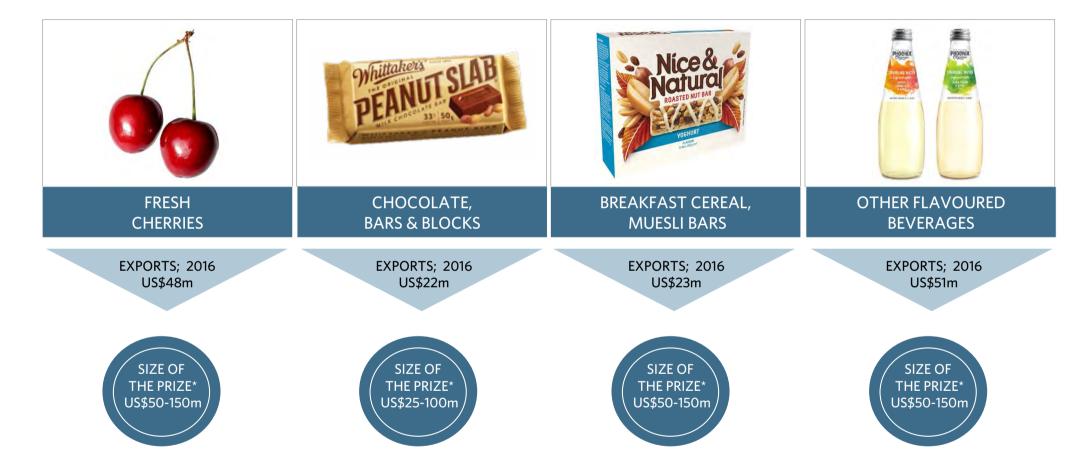


TOP 14 "EMERGING" CATEGORY PREMIUM VALUE*

2016; \$USm; based on NZ export volumes TOTAL = \$179m



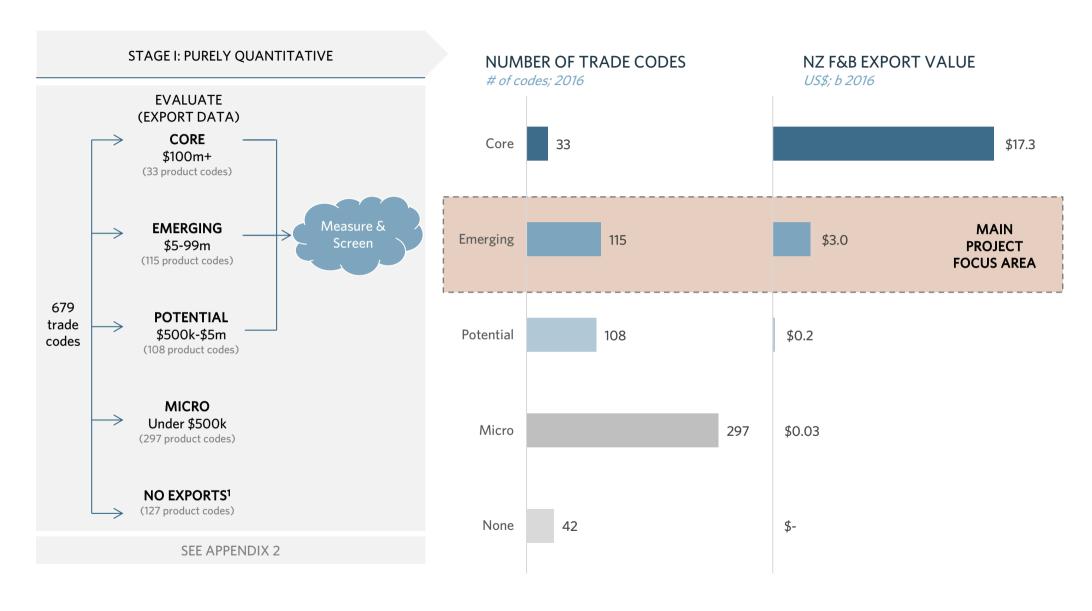
Four high growth products are evaluated in depth in the four related Stage III reports



Stage I Quantitative

- + Methodology
- + Results

STAGE I: New Zealand F&B exports were triaged into size groups based on 2016 export value



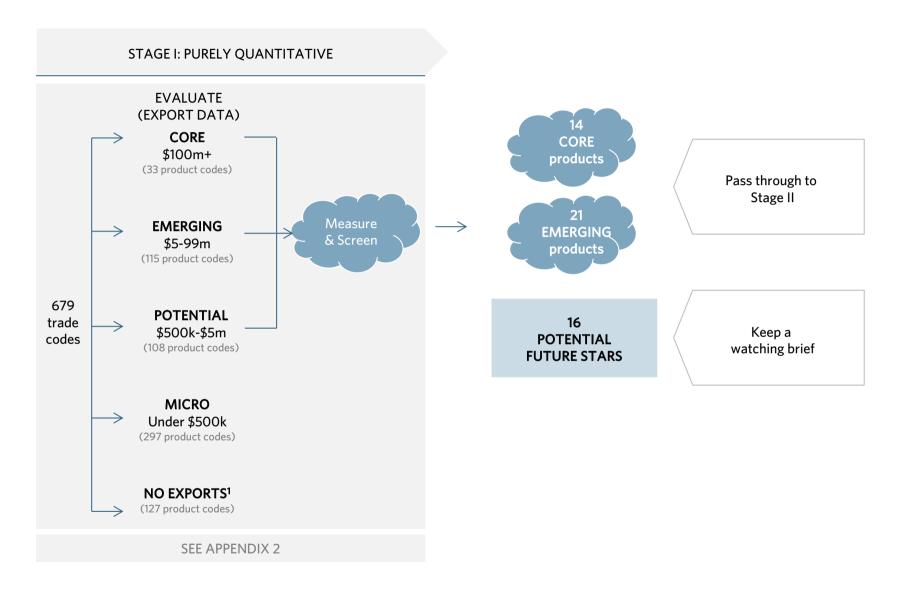
As part of Stage I, all trade codes were scored using quantitative criteria to measure and compare export growth performance over the past decade

EXPLANATION OF QUANTITATIVE SCREENING CRITERIA USED IN STAGE I

2017

Variable	Time periods	Criteria	Details/discussion
Absolute value growth	10 year 5 year	US\$20m or m	ore - Is the category growing its absolute export value over the medium /long term? - Categories growing their export dollars over a long period are creating wealth and
6 . •	·	US\$10-20m	employment in New Zealand - Need to be cautious with absolute growth as inflation can carry a large category along in
		Negative	absolute dollars
Compound Annual Growth Rate (CAGR)	10 year 5 year	More than 20	 Is the category growing its absolute export value over the medium /long term? Categories growing their export dollars over a long period are creating wealth and
export value		10 to 20%	employment in New Zealand - However we need to approach high CAGRs on small starting values with some caution
		Negative	
\$/unit (kg or l)	2010	More than US	55 - Does the product possess a high value or high value added per unit of absolute weight (or volume) relative to all other F&B categories?
		Under US\$1	- All other things being equal, F&B categories with higher value per unit weight are more value added (e.g. infant formula vs. milk powder)
CAGR \$/unit	10 year 10% or more		 Is the category achieving positive price gains? F&B categories growing their price per unit weight are an indication of consumers being prepared to pay more for the product over time Much better to be in a category with increasing prices than falling ones
Overall attractiveness	5/10y	High	A forced ranking of all categories relative to each other Uses combination of above factors
		Medium	
		C Low	

STAGE I screen resulted in 35 high scoring products passing through



The Stage I screen delivered a wide range of interesting products delivering strong/leading export growth

SEE APPENDIX 2 FOR RESULTS OF SCREEN

CORE \$100m+	EMERGING \$5-99m	POTENTIAL \$500k-\$5m
14 large export product codes	21 emerging export products	16 potential future stars
continuing to grow	creating solid growth	growing off a small base
Honey	Extracts, Meat & Seafood	Deer, other nes, salted/dried
Infant formula, retail	Cherries	Swine, prepared nes
Rock Lobster, fresh	Maize seed	Molasses, cane
High fat fluid milk	Filled chocolate bars	Flour, meal chapter 8
Innovative foods	Other flavoured beverages	Coffee extracts
Fresh cheese	Dog or cat food, retail	Crispbread
Beef, chilled boneless	Salmon, chilled whole	Chicken, cuts chilled
Wine, bulk	Blueberries, etc.	Vinegar
Mussels (not-live)	Breakfast cereal/muesli bars, puffed	Rape oil
Milk albumins, 80%+ whey, two proteins	Bulk infant formula &	Fruit and nuts, pres
Beef, frozen boneless	other sweet. WMP	Cocoa beans
Kiwifruit	Other prep/pres fruit	Sugar blends; similar
Apples	Avocados	Other fish salted
Grated or powdered cheese	Chocolate mixed	Vanilla
·	Prep/pres chicken meat	Brandy/Cognac
	Chewing gum	Crude linseed oil
	Chicken, frozen	
	Beef, frozen offal	
	Animal product, unfit	
	Chicken, whole frozen	
	Lemons/limes	
	Invertebrates nes	

New Zealand has a range of core (\$100m+) categories continuing to generate robust export growth

CORE \$100m+

SEE APPENDIX 2 FOR RESULTS OF SCREEN

STAGE I: EXPORT GROWTH SCREEN RESULTS FOR "CORE" F&B EXPORTS (TOP 14)

US\$; m; 2006-2016

HS Code	Classification	Export Value 2016	\$ CAGR 10y	\$ CAGR 5y	ABS \$ 10y	ABS \$ 5y	2016 \$/kg	10y CAGR \$/kg	SCORE
040900	Honey	\$206.1	22.6%	18.8%	\$179.2	\$119.0	\$21.41	14%	•
190110	Infant formula, retail	\$528.0	21.6%	18.7%	\$453.0	\$304.3	\$6.84	4%	•
030621	Rock Lobster, fresh	\$223.6	11.0%	5.6%	\$145.1	\$53.2	\$70.28	9%	•
040130	High fat fluid milk/cream	\$169.0	27.6%	16.2%	\$154.2	\$89.3	\$2.40	5%	•
210690	Innovative foods*	\$670.0	7.9%	14.0%	\$355.6	\$321.7	\$6.56	9%	•
040610	Fresh cheese	\$238.7	10.1%	8.5%	\$147.1	\$79.6	\$3.38	3%	•
020130	Beef, chilled boneless	\$232.1	4.4%	3.2%	\$81.4	\$33.8	\$8.22	4%	•
220429	Wine, bulk	\$226.2	47.5%	12.7%	\$221.6	\$101.9	\$2.87	1%	•
030739	Mussels (not-live)	\$179.5	4.7%	1.5%	\$66.2	\$13.1	\$5.22	5%	•
350220	Milk albumins, 80%+ whey, two proteins	\$176.2	7.8%	2.4%	\$93.2	\$20.1	\$6.51	4%	•
020230	Beef, frozen boneless	\$1,579.5	5.4%	3.5%	\$644.4	\$249.9	\$4.58	5%	•
081050	Kiwifruit	\$1,190.8	9.2%	7.6%	\$698.9	\$366.7	\$2.04	3%	•
080810	Apples	\$494.3	9.0%	11.6%	\$285.3	\$209.2	\$1.30	6%	•
040620	Grated or powdered cheese	\$180.9	11.3%	9.4%	\$118.8	\$65.6	\$3.84	2%	•

\$6,295

\$3,644

New Zealand has a range of emerging (\$5-99m) categories creating solid export growth

EMERGING \$5-99m

SEE APPENDIX 2 FOR **RESULTS OF SCREEN**

STAGE I: EXPORT GROWTH SCREEN RESULTS FOR "EMERGING" F&B EXPORTS (TOP 21)

US\$; m; 2006-2016

HS Code	Classification	Export Value 2016	\$ CAGR 10y	\$ CAGR 5y	ABS \$ 10y	ABS \$ 5y	2016 \$/kg	10y CAGR \$/kg	SCORE
160300	Extracts, Meat & Seafood	\$41.9	21.6%	24.6%	\$36.0	\$28.0	\$17.96	11%	•
080920	Cherries	\$47.6	25.6%	25.0%	\$42.8	\$32.0	\$11.79	6%	•
100510	Maize seed	\$17.5	37.0%	34.0%	\$16.7	\$13.4	\$6.90	14%	•
180631	Filled chocolate bars	\$21.9	24.0%	34.1%	\$19.4	\$16.9	\$6.32	9%	•
220290	Other flavoured beverages	\$50.7	25.2%	23.9%	\$45.4	\$33.3	\$1.06	3%	•
230910	Dog or cat food, put up for retail sale	\$75.1	10.2%	8.8%	\$46.8	\$25.8	\$3.34	10%	•
030212	Salmon, chilled whole	\$37.5	9.8%	9.7%	\$22.7	\$13.8	\$10.72	7%	•
081040	Blueberries, etc.	\$25.1	11.5%	14.0%	\$16.7	\$12.1	\$12.48	4%	•
190410	Breakfast cereal/muesli bars, puffed	\$23.1	20.0%	22.3%	\$19.3	\$14.6	\$3.68	6%	•
040229	Bulk IF; other sweet WMP	\$19.8	10.7%	15.2%	\$12.6	\$10.1	\$7.55	9%	•
200892	Other prep/pres fruit	\$12.7	23.2%	13.8%	\$11.2	\$6.1	\$5.10	5%	•
080440	Avocados	\$87.7	12.5%	5.3%	\$60.8	\$20.0	\$3.39	3%	•
180690	Chocolate mixed	\$38.5	7.1%	0.7%	\$19.1	\$1.4	\$6.84	10%	•
160232	Prep/pres chicken meat	\$21.0	32.6%	16.8%	\$19.7	\$11.3	\$3.75	2%	•
170410	Chewing gum	\$7.3	13.9%	109.8%	\$5.3	\$7.2	\$9.42	2%	•
020714	Chicken, frozen	\$30.5	25.8%	3.4%	\$27.4	\$4.6	\$2.68	8%	•
020629	Beef, frozen offal	\$81.2	7.6%	6.4%	\$42.3	\$21.6	\$2.71	5%	•
051199	Animal product unfit for human cons.	\$71.7	7.9%	3.5%	\$38.2	\$11.2	\$1.22	7%	•
020712	Chicken, whole frozen	\$6.9	12.1%	29.4%	\$4.7	\$5.0	\$2.05	7%	•
080550	Lemons/limes	\$6.2	13.0%	24.6%	\$4.4	\$4.1	\$1.82	4%	•
030799	Invertebrates nes	\$12.1	32.3%	5.6%	\$11.4	\$2.9	\$20.73	12%	•

\$736

\$523

CORIOLIS

New Zealand also has a range of potential (\$500k-5m) categories that are growing off a small base

POTENTIAL \$500k-5m

SEE APPENDIX 2 FOR RESULTS OF SCREEN

STAGE I: EXPORT GROWTH SCREEN RESULTS FOR "POTENTIAL" F&B EXPORTS (TOP 16)

US\$; m; 2006-2016

HS Code	Classification	Export Value 2016	\$ CAGR 10y	\$ CAGR 5y	ABS \$ 10y	ABS \$ 5y	2016 \$/kg	10y CAGR \$/kg	SCORE
021099	Deer, other nes, salted/dried	\$4.4	24.1%	43.0%	\$3.9	\$3.6	\$31.06	18%	•
160249	Swine, prepared nes	\$1.7	36.2%	81.3%	\$1.6	\$1.6	\$8.70	7%	•
170310	Molasses, cane	\$1.6	70.7%	80.3%	\$1.6	\$1.5	\$3.33	36%	•
110630	Flour, meal chapter 8	\$0.5	25.1%	82.1%	\$0.4	\$0.4	\$21.20	37%	•
0210111	Coffee extracts	\$3.2	24.8%	8.1%	\$2.9	\$1.0	\$11.36	4%	•
190510	Crispbread	\$2.9	79.9%	149.6%	\$2.9	\$2.9	\$4.29	9%	•
020713	Chicken, cuts chilled	\$2.5	29.2%	38.3%	\$2.3	\$2.0	\$4.70	5%	•
220900	Vinegar	\$2.0	20.9%	20.6%	\$1.7	\$1.2	\$1.50	4%	•
151499	Rape oil	\$1.6	117.0%	135.7%	\$1.6	\$1.6	\$1.41	4%	•
081290	Fruit and nuts, pres	\$1.5	45.4%	106.2%	\$1.5	\$1.5	\$3.09	5%	•
180100	Cocoa beans	\$1.2	118.8%	94.7%	\$1.2	\$1.2	\$3.41	5%	•
170290	Sugar blends; similar	\$3.4	10.5%	17.1%	\$2.1	\$1.9	\$5.64	16%	•
030569	Other fish salted	\$1.8	0.0%	348.3%	\$1.8	\$1.8	\$22.71	0%	•
090500	Vanilla	\$0.7	33.3%	19.8%	\$0.6	\$0.4	\$23.75	22%	•
220820	Brandy/Cognac	\$0.5	23.2%	30.6%	\$0.5	\$0.4	\$5.73	4%	•
151511	Crude linseed oil	\$0.5	27.7%	24.5%	\$0.5	\$0.3	\$7.09	9%	•

\$30

\$27

A total of twenty products - six from "core" and fourteen from "emerging" - passed through to Stage II

SEE APPENDIX 2 FOR FULL DETAILS OF SCREEN

CORE \$100m+	EMERGING \$5-99m	POTENTIAL \$500k-\$5m
14 large export product codes continuing to grow PROJECT FO	21 emerging export products creating solid growth OCUS AREA	16 potential future stars growing off a small base
Honey Infant formula, retail Rock Lobster, fresh High fat fluid milk Innovative foods Fresh cheese Beef, chilled boneless Wine, bulk Mussels (not-live) Milk albumins, 80%+ whey, two proteins Beef, frozen boneless Kiwifruit Apples Grated or powdered cheese	Extracts, Meat & Seafood Cherries Maize seed Filled chocolate bars Other flavoured beverages Dog or cat food, retail Salmon, chilled whole Blueberries, etc. Breakfast cereal/muesli bars, puffed Bulk IF & other sweet. WMP Other prep/pres fruit Avocados Chocolate mixed Prep/pres chicken meat Chewing gum Chicken, frozen Beef, frozen offal Animal product, unfit Chicken, whole frozen Lemons/limes	Deer, other nes, salted/dried Swine, prepared nes Molasses, cane Flour, meal chapter 8 Coffee extracts Crispbread Chicken, cuts chilled Vinegar Rape oil Fruit and nuts, pres Cocoa beans Sugar blends; similar Other fish salted Vanilla Brandy/Cognac Crude linseed oil

Invertebrates nes

Stage II Qual/Quant

- + Methodology
- + Results

02

STAGE II: Twenty products passed through to Stage II are further analysed and profiled for attractiveness and size of the prize (additional potential export value by 2026)



Each Stage II product is profiled and evaluated across common quantitative and qualitative criteria



All products were subject to quantitative evaluation then assigned a possible "size-of-the-prize" in terms of potential further export growth over the next decade

SEE APPENDIX 1 FOR FULL PROFILES

Possible size of the prize (Additional export value by 2026 with effort and luck)

	· ·	
Under US\$100m	US\$100-200m	US\$300m+
Filled chocolate bars/blocks Blueberries Avocados Extracts, seafood & meat Bulk infant formula & sweet. WMP Rock lobster, fresh High fat fluid milk/cream Prepared chicken meat Other preserved fruit Maize seed	Honey Dog or cat food, retail Salmon, chilled whole Cherries Other flavoured beverages Breakfast cereal, muesli bars Chocolate mixed	Infant formula, retail Innovative foods Fresh cheese (mozzarella)

All products were also subject to an evaluation across qualitative criteria

	Large global market	Strongly growing demand	Wide spread of markets/ buyers	Asian opportunity	Premium for quality/safety	Rich countries do it	Capital intensive	Large number of NZ firms	Required skills for success	Leverage country image	Able to differentiate	Arriving "early to the party"	Overall
Innovative foods	•	•	•	•	•	•	•	•	•		•	•	•
IF, Retail	•	•	•	•	•	•	•	•	•	•	•	0	•
Salmon, fresh	•	•	•	•	•	•	•	•	•	•	•	•	•
Beverages, other	•	•	•	•	0	•	•	•	•	•	•	•	•
Honey		•	•	•	•	•	•	•	•	•	•	•	•
Cherries	•	•	•	•	•	•	•	•	•	•	0	0	•
Chocolate bars	•	0	•	•	•	•	•	•	•	•	•	0	•
Petfood, cat & dog	•	0	•	•	•	•	•	•	•	•	•	0	•
Mixed Chocolate	•	0	•	•	•	•	•	•	•	•	•	0	•
Cereal/Muesli bars	•	0	•	•	•	•	•	•	•	•	•	•	•
Blueberries	•	•	•	•	•	•	•	•	•	•	0	•	•
Extracts, mussel, meat	0	•	•	•	•	•	•	0	•	•	•	•	•
IF, Bulk	0	0	•	•	•	•	•	•	•	•		0	•
Fresh cheese	•	0	•	•	•	•	•	•	•	0	0	\circ	•
Avocado	•	•		•	0	•	•	•	•	•	0	0	•
Lobster	0	•	0	•	•	•	0		•	•	•	•	0
Fluid milk, high fat	•	0	•	•	•	•	•	•	•	•	0	0	0
Mixed fruit, pres	0	0	•	0	•	•	•	•	•	•	•	0	0
Chicken, prep	•	0	•	•	•	•	•	0	•	0	•	0	0
Maize seed	•	0	•	0	•	•	0	•	•	•	0	0	0

The <u>qualitative</u> score was crossed with the <u>quantitative</u> potential "size of the prize" to deliver a gradated range of identified high potential categories

SEE APPENDIX 1 FOR FULL PROFILES

Possible size of the prize (Additional export value by 2026 with effort and luck)

Under US\$100m US\$100-200m US\$300m+ Results from Filled chocolate bars/blocks Infant formula, retail High Honey Dog or cat food, retail Innovative foods qualitative attractiveness Salmon, chilled whole scorecard Cherries Other flavoured beverages Breakfast cereal, muesli bars Medium **Blueberries** Chocolate mixed Fresh cheese (mozzarella) Avocados Extracts, seafood & meat Bulk infant formula & other sweet. WMP Low Rock lobster, fresh High fat fluid milk/cream Prepared chicken meat Other preserved fruit Maize seed

Stage III Sector Depths

- + Overview of Stage III sectors
- + Selection process



STAGE III evaluates four identified categories in detail (in separate reports)



SEE APPENDIX 1 FOR RESULTS OF SCREEN

RESULTS OF STAGE II SCREEN

GOOD

Rock lobster, fresh High fat fluid milk/cream Other preserved fruit Prepared chicken meat Maize seed

BETTER

Fresh cheese (mozzarella)
Chocolate mixed
Blueberries
Avocados
Extracts, seafood & meat
Bulk infant formula &
other sweet. WMP

<u>BEST</u>

Infant formula, retail
Innovative Foods
Honey
Dog or cat food, retail
Salmon, chilled whole
Cherries
Filled chocolate bars/blocks
Breakfast cereal, muesli bars
Other flavoured beverages

From the nine "Best" four have been previously analysed and four will be further evaluated

PROFILED IN PREVIOUS REPORTS¹

IMPOSSIBLE TO EFFECTIVELY EVALUATE

PASSED INTO STAGE III

Honey Salmon Infant formula, retail Petfood, dog and cat **Innovative Foods**

Cherries
Other Flavoured Beverages
Chocolate, filled/mixed²
Cereal/Muesli bars



Four high growth products identified will be evaluated in depth during 2017 and 2018





CHERRIES

CHOCOLATE, BARS & BLOCKS



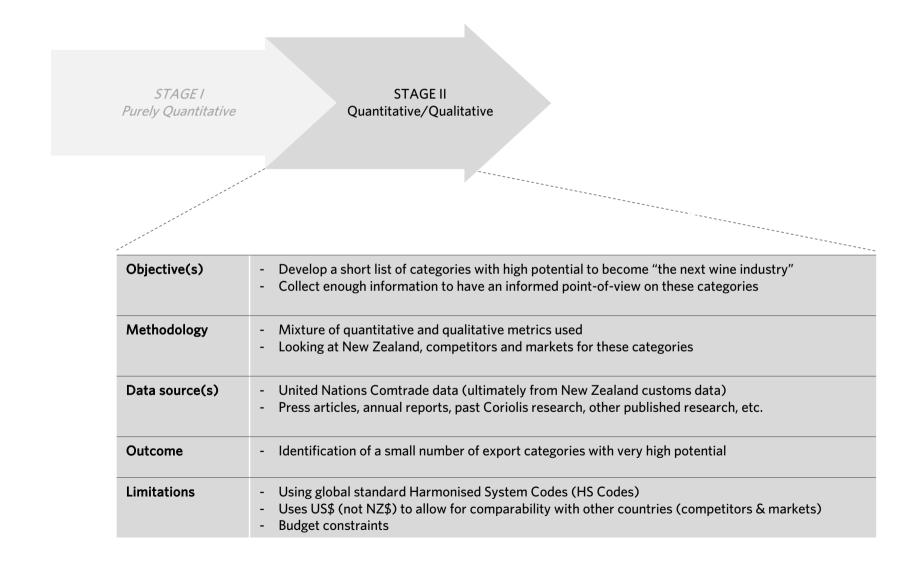


Appendix Qual/Quant Details

- + 4.1. Details of Stage II screen
- + 4.2. Details of Stage I screen
- + Limitations
- + Glossary

04

Stage II uses both qualitative and quantitative analysis to screen the Stage I candidates to deliver a handful of high potential emerging growth opportunities



Stage II scorecard addresses the following questions on a quantitative and qualitative criteria to rank the categories

F 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10	_							_				_	_			
QUANTITATIVESCO	ORECARD				LOBAL IM	1000	8				тот	AL GLOBA	LEXPORT	s		33
ACROSS ALL MA	RKETS		Total		alue; CIF n	eceiver		Kg	Import per		Total		alue; CIF	receiver	\$/1	
Import value	\$2,526	Country	import share	US\$m; 16	CAGR	5y ABS	US\$:	CAGR	Capita US\$; 16	Country	export share	US\$m;	CAGR	5y A85	US\$:16	CAGR
(US\$m; 16)		China	31.5%	\$797	35%	\$618	\$7.29	-196	\$0.58	Chile	47.9%	\$1,210	24%	\$802	\$6.22	3%
5y CAGR (US\$; 11-16)	10%	Hong Kong SAR	21.2%	\$535	24%	\$356	\$5.38	-196	\$73.32	USA	20.3%	\$514	0%	57	\$6.51	0%
Sy ABS	+\$967	Germany	7.0%	\$176	2%	\$14	\$2.53	-2%	\$2.17	Turkey	7.8%	\$198	11%	\$82	\$2.97	2%
(US\$m; 11-16)	+390/	South Korea	5.0%	\$125	21%	577	\$9.06	-1%	\$2.43	Spain	4.2%	\$106	196	\$6	\$3.28	2%
Average \$/kg or I	\$4.28	Canada	4.3%	\$108	-8%	\$(53)	\$4.56	-2%	\$3.01	Canada	2.6%	\$65	9%	\$23	\$6.22	4%
(US\$; 16)		Russia	3.6%		16	\$(45)	\$1.36	-4%	\$0.63	Uzbekistan	2.0%	_	196	\$15	\$1.77	-8%
Top 21 highest	\$73.32	Taiwan	3.5%	. (2	36	\$8	\$7.53	8%	\$3.76	New Zealand	1.8%	(3	1%	\$32	\$12.19	10%
imp/cap (US\$; 16)	5\$;16) USA 3.5%	3.5%	_	16	\$5	\$6.61	10%	\$0.27	Australia	1.8%	U	196	\$33	\$11.25	796	
Top 21 lowest	\$0.27	United Kingdom	2.4%		_ 16	\$(16)	\$3.47	-4%	\$0.95	Greece	1.6%		.1%	\$17	\$2.03	-3%
imp/cap (US\$; 16)	-	Japan	1.8%	\$45	-15%	\$(59)	\$9.85	0%	\$0.36	Italy	1.3%	\$32	-10%	-\$21	\$4.88	6%
Top 3 importers share	60%	Kazaknstan	1.7%	\$42	28%	\$30	\$1.76	-6%	\$2.39	Argentina	1.0%	\$25	12%	\$10	\$6.98	7%
Top 10 importers	84%	Italy	1,4%	\$35	2%	\$4	\$2.75	-4%	\$0.58	Germany	1.096	\$24	7%	\$7	\$2.29	396
share	84%	Netherlands	1.2%	\$30	-4%	\$(7)	\$3.10	-5%	\$1.79	Azerbaijan	0.9%	\$23	43%	519	\$1.54	5%
Top 21 w/imports	8	Austria	1.0%	\$26	17%	\$15	\$2.35	-5%	\$3.07	Serbia	0.7%	\$19	8%	\$6	\$1.16	-3%
>10% CAGR		Belarus	1.0%	\$26	73%	\$24	\$1.43	12%	\$2.76	Netherlands	0.6%	\$16	-7%	-57	\$2.81	-9%
Top 3 exporters	75%	France	0.9%	\$24	-2%	\$(3)	\$3.01	4%	\$0.35	Hungary	0,6%	\$14	-18%	-\$25	\$0.73	-13%
share	- 31	Belgium	0.7%	\$18	-10%	\$(13)	\$2.81	-5%	\$1,64	Poland	0.6%	\$14	0%	\$0	\$1.13	-5%
Top 10 ex	196	Singapore	0.7%	\$17	3%	\$2	\$9.16	-196	\$3.18	Belgium	0.3%	\$9	-8%	-\$5	\$3.88	4%
share		Switzerland	0.7%	\$16	13%	\$8	\$5.00	1196	\$2.00	France	0.3%	\$9	-21%	-\$19	\$2.81	-4%
New Zeal	3%	Sweden	0.6%	\$16	28%	511	\$3.73	-6%	\$1.62	Syria	0.3%	\$8	-11%	-\$6	\$2.41	10%
"Strawman" potentia	al exports	Norway	0.5%	\$13	9%	\$4	\$6.23	-4%	\$2.54	Moldova	0.3%	\$8	19%	\$5	\$1.34	3%
upside in next de	ecade	Other	5.7%	\$145	-2%	\$(14)	\$2.51	-4%		Other	1.9%	\$47	-5%	-\$15	\$1.03	-11%
+\$50-150m		TOTAL	100%	\$2,526	10%	\$967	\$4.28	2%		TOTAL	100%	\$2,526	10%	\$967	\$4.28	2%

What is the potential export upside to 2026?

Where are the major global markets?

Who are the major exporting countries?

Quantitativo

CHERRIES [H208	0920]		QUALITATIV				
QUALITATIVE SCORE	ECARD	SITUATION/STRUCTURE	NATURE OF THE OPPORTUNITY & CHALLENGE FOR NZ					
MARKETS		NEW ZEALAND	LEVERAGEABLE NEW ZEALAND FACTORS	OPPORTUNITIES FOR LINE EXTENSION/NPD				
Large global market Strongly growing demand	•	Central Otago accounts for -90% of New Zealand cherry exports Industry is vertically integrated, with most key growers also packing and exporting	High quality Consistent, trusted supplier of fresh fruit Counter-seasonal production to major Northern Hemisphere suppliers in a narrow seasonal	- Organic - Gift packs - Dried and glace products				
Wide spread of markets/buyers	•	6	window - Limited ran Hemispher w (Chile; Australia)	Premium gift packaging Fruit sauces for yoghurt and desserts Jams & fruit leather/fruit snacks				
Asiar Prem 4	•		- Cool chain abilities - Orchard mand systems - Capabilities of Plant & Food (and other	- "POM-style" premium non-alcoholic beverages - Flavoured liqueurs - Premium chocolate ingredient				
Rich countries do it	•	39	government CRI's) to (1) research factors improving the quality of the fruit and (2) develop new, differentiated varieties	9				
Capital intensive	0							
NEW ZEALAND		DRIVER OF CONSUMER/MARKET SUCCESS	CHALLENGES/LIMITATIONS TO GROWTH	SOURCES OF VALUE CREATION				
arge number of NZ irms	•	 Rapidly growing demand for counter-seasonal cherries from "Greater China" (Mainland, Hong Kong, Taiwan) 	Weather events can impact harvest Low scale relative to key global competitors	Improved direct/online platform sales systems and management				
Required skills for success	•	- Suits Asian gifting culture	Increased supply coming from Chile Chile is improving quality; NZ needs to maintain	Industry consolidation to increase scale in packhouses and operations Leverage existing expertise in orchard				
everage country mage	•			management skills and systems - Improve cool chain management efficiencies				
Able to differentiate	0	U	8	- Target high value markets in Asia				
Arriving "early to the	0			 Extend the counter seasonal supply window through variety, technology and/or geography 				
OVERALL	•			Clearer product differentiation; NZ cherries not yet achieving NZ apples or NZ kiwifruit levels or product differentiation.				

Qualitative

- 4 How does the category score?
- **6** What is the structure of the NZ market?
- **6** What are the drivers of success?
- What does New Zealand have to work with?
- **8** What are the challenges facing the sector?
- What are opportunities for new products and to create value?

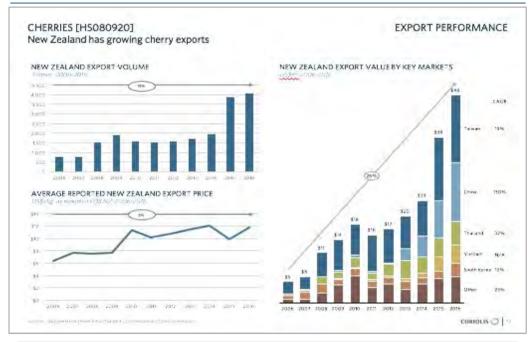
IMPORTANT NOTE

Two key pages uses different sources: one is in-market importers and one is New Zealand exporters

GLOBAL DATA

NEW ZEALAND DATA

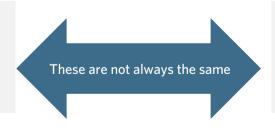




AS REPORTED RECEIVING COUNTRY

Cost-Insurance-And-Freight (CIF)

Import paperwork
Importer declared codes and value

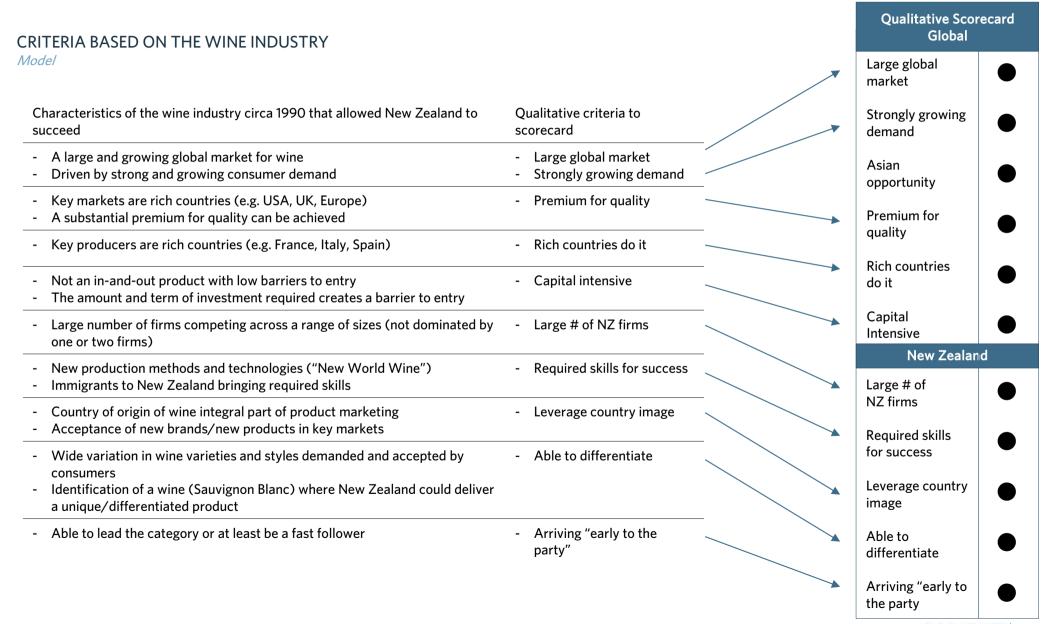


AS REPORTED NEW ZEALAND EXPORTER

Free-On-Board (FOB)

Export paperwork Exporter declared codes and value

The characteristics of the New Zealand wine industry circa 1990 were identified and used to develop the Stage II qualitative scorecard; "Arriving early to the party" and "Asian opportunity" were subsequently added



Six core (US\$100m+) product categories were evaluated across qualitative and quantitative measures

CORE \$100m+

Evaluate six large export product codes continuing to grow

Honey Infant formula, retail Rock Lobster, fresh High fat fluid milk Innovative foods Fresh cheese New Zealand has a range of firms succeeding in the category, as these example show

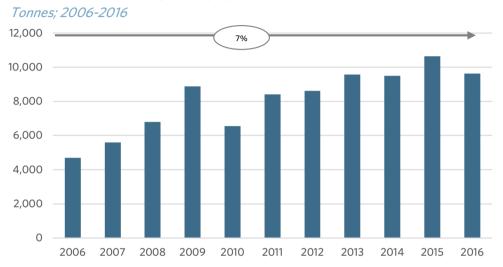






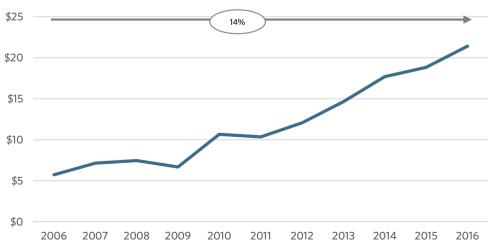
HONEY [HS040900] New Zealand has growing honey exports

NEW ZEALAND EXPORT VOLUME

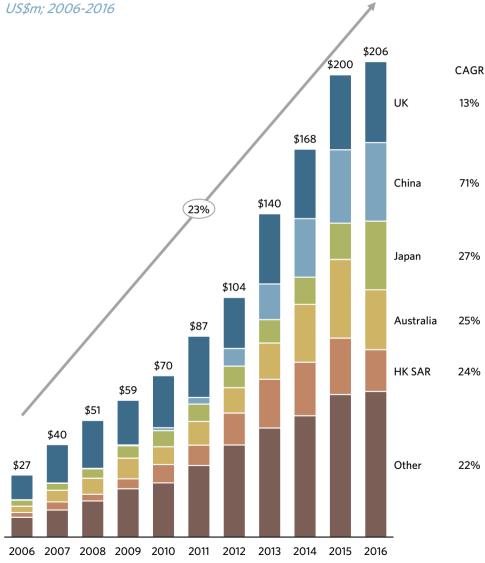


AVERAGE REPORTED NEW ZEALAND EXPORT PRICE

US\$/kg; as reported FOB NZ; 2006-2016







HONEY [HS040900]

QUANTITATIVE

QUANTITATIVE SCC	RECARD				
ACROSS ALL MAI	RKETS				
Import value (US\$m; 16)	\$2,038				
5y CAGR (US\$; 11-16)	4%				
5y ABS (US\$m; 11-16)	+\$327				
Average \$/kg or I (US\$; 16)	\$3.11				
Top 21 highest imp/cap (US\$; 16)	\$3.81				
Top 21 lowest imp/cap (US\$; 16)	\$0.06				
Top 3 importers share	48%				
Top 10 importers share	77%				
Top 21 w/imports >10% CAGR	7				
Top 3 exporters share	32%				
Top 10 exporters share	66%				
New Zealand share	10.7%				
"Strawman" potential exports upside in next decade					
+\$50-150m					

TOTAL GLOBAL IMPORTS									
	Total	Import	value; CIF r	eceiver	\$,	⁄kg	Import per		
Country	import share	US\$m; 16	5y CAGR	5y ABS	US\$; 16	5y CAGR	capita US\$; 16		
USA	27.4%	\$558	7%	\$157	\$2.61	-3%	\$1.74		
Germany	13.0%	\$265	-1%	-\$13	\$3.18	-2%	\$3.27		
Japan	7.8%	\$158	6%	\$40	\$3.26	2%	\$1.25		
France	6.3%	\$128	3%	\$17	\$3.55	-2%	\$1.91		
United Kingdom	6.0%	\$122	-2%	-\$14	\$2.90	-4%	\$1.90		
Belgium	3.8%	\$77	6%	\$20	\$2.82	1%	\$6.81		
China	3.7%	\$76	42%	\$63	\$11.33	17%	\$0.06		
Italy	3.6%	\$73	5%	\$15	\$3.21	-3%	\$1.21		
Spain	3.2%	\$65	8%	\$22	\$2.33	-1%	\$1.41		
Poland	2.3%	\$47	4%	\$9	\$1.97	-7%	\$1.23		
Australia	2.2%	\$44	21%	\$27	\$4.43	-2%	\$1.84		
Hong Kong SAR	2.0%	\$41	18%	\$23	\$9.35	12%	\$5.62		
Switzerland	1.9%	\$38	1%	\$2	\$4.58	-2%	\$4.66		
UAE	1.9%	\$38	18%	\$22	\$4.17	-5%	\$4.12		
Canada	1.5%	\$31	18%	\$18	\$4.22	-2%	\$0.87		
Singapore	1.3%	\$27	16%	\$14	\$7.78	7%	\$4.87		
Sweden	1.1%	\$22	1%	\$1	\$4.50	-2%	\$2.23		
Denmark	1.0%	\$21	3%	\$3	\$3.37	-2%	\$3.62		
Taiwan	1.0%	\$20	66%	\$18	\$1.97	19%	\$0.84		
Malaysia	0.8%	\$17	4%	\$3	\$3.99	-2%	\$0.54		
Ireland	0.7%	\$14	7%	\$4	\$3.37	-6%	\$3.08		
Other	8%	\$155	-11%	\$(123)	\$3.14	-2%			
TOTAL	100%	\$2,038	4%	\$327	\$3	-2%			

TOTAL GLOBAL EXPORTS										
	Takal	Export v	alue; CIF	receiver	\$/	kg				
Country	Total export share	US\$m; 16	5y CAGR	5y ABS	US\$; 16	5y CAGR				
China	12.6%	\$257	2%	\$29	\$2.01	-0%				
New Zealand	10.7%	\$217	19%	\$125	\$21.98	15%				
Vietnam	9.2%	\$187	21%	\$116	\$2.28	-2%				
Argentina	7.9%	\$161	-7%	-\$69	\$2.26	-7%				
Ukraine	5.3%	\$107	26%	\$74	\$1.99	-8%				
Brazil	4.5%	\$93	4%	\$17	\$3.81	3%				
Spain	4.4%	\$90	1%	\$6	\$4.10	-0%				
Mexico	4.2%	\$85	-2%	-\$11	\$3.18	-2%				
Germany	3.9%	\$80	-9%	-\$47	\$4.95	-2%				
Thailand	3.8%	\$77	31%	\$57	\$2.56	4%				
India	3.4%	\$70	-4%	-\$17	\$2.14	-6%				
Hungary	3.2%	\$65	2%	\$5	\$4.08	-4%				
Canada	2.6%	\$53	5%	\$11	\$3.13	-5%				
Romania	2.1%	\$42	5%	\$9	\$4.14	-2%				
Saudi Arabia	1.7%	\$34	26%	\$24	\$7.58	7%				
Bulgaria	1.6%	\$32	2%	\$3	\$3.81	-0%				
Australia	1.5%	\$31	3%	\$5	\$5.55	2%				
France	1.5%	\$30	-1%	-\$2	\$6.43	-0%				
Italy	1.4%	\$28	3%	\$4	\$5.79	1%				
Chile	1.2%	\$25	-4%	-\$6	\$3.12	-4%				
Belgium	1.2%	\$24	-3%	-\$4	\$3.97	1%				
Other	12.2%	\$249	0%	\$(2)	\$3.42	0%				
TOTAL	100%	\$2,038	4%	\$327	\$3.11	-2%				

QUALITATIVE SCORECARD	SITUATION/STRUCTURE	NATURE OF THE OPPORTUNITY & CHALLENGE FOR NZ					
MARKETS	NEW ZEALAND	LEVERAGEABLE NEW ZEALAND FACTORS	OPPORTUNITIES FOR LINE EXTENSION/NPD				
Strongly growing demand Wide spread of markets/buyers Asian opportunity Premium for quality/safety Rich countries do it Capital intensive	Strong industry growth over last 20 years since discovery of unique Manuka factor (UMF/MGO) Strong competition for key Manuka locations and wintering locations	 Unique source of Manuka honey (Manuka is the New Zealand Maori people's name for Leptospermum scoparium) Leverage food safety and supplier of quality products Leverage NZ provenance and story 	 Gift packaging Packaging innovations (single serve, shots) Co-products of bees (propolis, royal jelly, bee venom, beeswax) Monofloral honeys Confectionery Energy snack bars, cereals, processed meat flavouring Beverage flavouring Nutraceutical/health products/medical (cough drops and syrup, supplements, wound care) Cosmetic products (lip balm, hand cream, soap) Sale of live bees 				
NEW ZEALAND Large number of NZ firms Required skills for success Leverage country image Able to differentiate Arriving "early to the party" OVERALL	DRIVER OF CONSUMER/MARKET SUCCESS - Natural sweetener - Ingredient in savoury dishes and sauces (e.g. honey soy) - Spread - Flavouring in processed meats - Ingredient in bakery products (e.g. baklava) - Confectionary - Medicinal uses, cosmetic uses - Well recognised in many cultures as a health product	CHALLENGES/LIMITATIONS TO GROWTH - High UMF/MGO honey requires large stands of Manuka trees; easily accessible stands are gone - Changing climate impacting flowering - Potential for disease outbreak due to poor apiary management	SOURCES OF VALUE CREATION - Drive and expand protection of cultural use of Manuka name (imitate French use of Champagne) - Build on science and research into Manuka honey's properties - Hive to spoon tracking of bee products - Research into monoflorals beyond Manuka (e.g. Kanuka) - Consolidate industry				

New Zealand has a range of firms succeeding in the category, as these example show









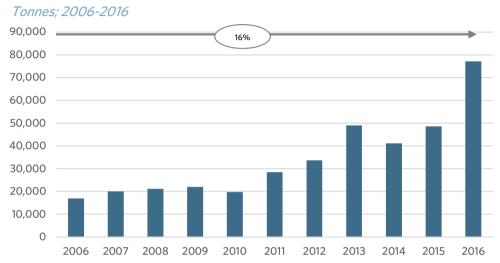


INFANT FORMULA, RETAIL [HS190110]

EXPORT PERFORMANCE

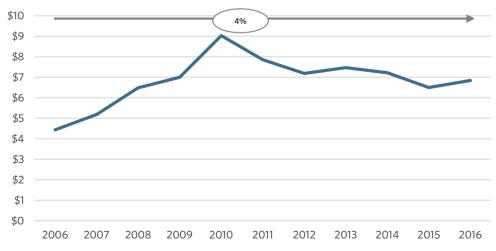
New Zealand has growing retail infant formula exports, with a recent strong recovery

NEW ZEALAND EXPORT VOLUME

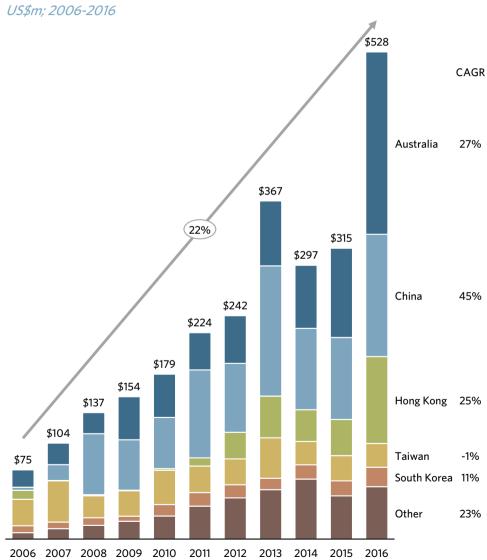


AVERAGE REPORTED NEW ZEALAND EXPORT PRICE

US\$/kg; as reported FOB NZ; 2006-2016



NEW ZEALAND EXPORT VALUE BY KEY MARKETS



INFANT FORMULA, RETAIL [HS190110]

QUANTITATIVE

QUANTITATIVE SCO	DRECARD				
ACROSS ALL MA	RKETS				
Import value (US\$m; 16)	\$9,152				
5y CAGR (US\$; 11-16)	10%				
5y ABS (US\$m; 11-16)	+\$3,56 6				
Average \$/kg or I (US\$; 16)	\$7.43				
Top 21 highest imp/cap (US\$; 16)	\$17.04				
Top 21 lowest imp/cap (US\$; 16)	\$0.57				
Top 3 importers share	53%				
Top 10 importers share	69%				
Top 21 w/imports >10% CAGR	9				
Top 3 exporters share	56%				
Top 10 exporters share	83%				
New Zealand share	7.2%				
"Strawman" potential exports upside in next decade					
+\$500-1,500m					

TOTAL GLOBAL IMPORTS									
	Total	Import	value; CIF r	eceiver	\$,	/kg	Import per		
Country	import share	US\$m; 16	5y CAGR	5y ABS	US\$; 16	5y CAGR	capita US\$; 16		
China	42.6%	\$3,898	35%	\$3,037	\$13.72	5%	\$2.84		
Germany	5.7%	\$525	35%	\$409	\$6.05	7%	\$6.47		
United Kingdom	4.5%	\$414	3%	\$52	\$5.02	-2%	\$6.40		
Russia	3.0%	\$278	5%	\$58	\$5.16	-5%	\$1.90		
Australia	3.0%	\$277	27%	\$194	\$6.25	-7%	\$11.58		
Malaysia	2.3%	\$212	5%	\$46	\$2.77	1%	\$6.90		
Canada	2.0%	\$182	8%	\$59	\$7.85	9%	\$5.09		
France	1.8%	\$166	5%	\$37	\$3.81	-5%	\$2.48		
Algeria	1.8%	\$166	5%	\$35	\$6.68	0%	\$4.20		
UAE	1.7%	\$156	21%	\$96	\$10.55	7%	\$17.04		
Egypt	1.5%	\$137	12%	\$59	\$7.27	18%	\$1.53		
Pakistan	1.4%	\$130	23%	\$83	\$6.96	-1%	\$0.68		
Mexico	1.4%	\$127	17%	\$68	\$8.60	4%	\$1.05		
Philippines	1.4%	\$126	8%	\$39	\$6.83	5%	\$1.23		
Brazil	1.3%	\$116	45%	\$98	\$7.13	7%	\$0.57		
Spain	1.2%	\$112	-5%	-\$33	\$5.10	-3%	\$2.41		
Turkey	1.1%	\$105	5%	\$22	\$6.33	-2%	\$1.35		
Greece	1.0%	\$92	2%	\$8	\$3.43	-5%	\$8.51		
Taiwan	0.9%	\$81	8%	\$26	\$10.00	2%	\$3.46		
Peru	0.9%	\$81	15%	\$40	\$8.76	4%	\$2.59		
Italy	0.9%	\$80	-6%	-\$27	\$1.78	-6%	\$1.32		
Other	18%	\$1,693	-8%	\$(842)	\$5.99	-2%			
TOTAL	100%	\$9,152	10%	\$3,566	\$7	4%			

	TOTAL GLOBAL EXPORTS									
	Total	Export v	alue; CIF	receiver	\$/	kg				
Country	export share	US\$m; 16	5y CAGR	5y ABS	US\$; 16	5y CAGR				
Netherlands	32.9%	\$3,015	29%	\$2,167	\$9.33	9%				
Ireland	14.6%	\$1,340	10%	\$508	\$8.31	1%				
Germany	8.2%	\$749	14%	\$364	\$8.11	7%				
New Zealand	7.2%	\$659	16%	\$345	\$9.38	-5%				
France	6.1%	\$556	-0%	-\$8	\$5.73	-2%				
USA	3.3%	\$301	12%	\$133	\$9.21	11%				
Poland	3.2%	\$296	29%	\$212	\$5.04	-2%				
Switzerland	2.9%	\$265	6%	\$69	\$7.46	1%				
Singapore	2.3%	\$214	-16%	-\$308	\$3.35	-12%				
Australia	2.3%	\$212	11%	\$89	\$12.38	14%				
Denmark	2.0%	\$186	13%	\$84	\$7.90	4%				
Mexico	1.7%	\$157	-8%	-\$83	\$6.92	4%				
Spain	1.5%	\$138	-3%	-\$19	\$3.33	-2%				
Thailand	1.5%	\$135	22%	\$86	\$8.96	5%				
South Korea	1.1%	\$100	26%	\$69	\$11.85	8%				
Austria	1.1%	\$100	24%	\$66	\$8.02	7%				
Argentina	1.1%	\$97	-8%	-\$47	\$6.38	3%				
Malaysia	0.7%	\$60	-1%	-\$4	\$4.76	4%				
United Kingdom	0.6%	\$55	7%	\$17	\$9.97	9%				
Belgium	0.5%	\$44	-22%	-\$111	\$2.54	-17%				
Philippines	0.5%	\$44	-15%	-\$52	\$4.36	-3%				
Other	4.7%	\$429	0%	\$(8)	\$4.54	-3%				
TOTAL	100%	\$9,152	10%	\$3,566	\$7.43	4%				

QUALITATIVE SCORECARD	SITUATION/STRUCTURE	NATURE OF THE OPPORTUNITY & CHALLENGE FOR NZ					
MARKETS	NEW ZEALAND	LEVERAGEABLE NEW ZEALAND FACTORS	OPPORTUNITIES FOR LINE EXTENSION/NPD				
Large global market Strongly growing demand Wide spread of markets/buyers Asian opportunity Premium for quality/safety Rich countries do it	 New Zealand pioneered milk powder production Traditionally a supplier to in-market processors of infant formula NZ infant formula products have shown rapid growth into Asia NZ suppliers of milk powder and base formula powder to major multinationals in Asia NZ has a handful of large producers and a large number of smaller branded companies Many Chinese companies investing in Infant Formula /dairy plants in NZ (Yili, Mengniu/ Yashilli, Bright, Blue River (HK)) 	 NZ is a low cost producer of dairy products NZ has a good reputation as a high quality supplier of dairy products in Asia - able to leverage "Made in NZ" Grass-fed Largest Asia-Pacific supplier of ingredients used by industry (i.e. milk powder) Pioneered goat-based infant formula Establishing sheep-based infant formula 	- Convenient packaging (e.g. single serve) - Specialised, medical formula - Ready to drink UHT product - Fresh ready-to-drink product, airfreighted to market - Range of children's products leveraging brand identity (e.g. yoghurt) - Dairy nutritionals - Sheep and goat milk infant formula				
NEW ZEALAND Large number of NZ firms Required skills for success Leverage country image Able to differentiate Arriving "early to the party"	DRIVER OF CONSUMER/MARKET SUCCESS - Primary source of nutrition for infants - Follow on formula/toddler formula expanding market - Used as supplement for additional nutritional benefits - Growing middle class with increasing Westernised diet - One child policy (now two) in China/ falling birth rates - Role of grandparents as primary caregivers	CHALLENGES/LIMITATIONS TO GROWTH - High capital investment for infant formula plant - Milk supply restricting ability to operate at scale - Chinese rule changes have reduced number of suppliers into China - R&D has been targeted at dried IF production - Large investment in brand/marketing required - Entrenched suppliers of infant formula with large budgets for R&D, advertising, promotions etc.	SOURCES OF VALUE CREATION - NZ companies move up the supply chain from ingredient milk powder into base infant formula powder - Farm-to-pack traceability				

New Zealand has a range of firms succeeding in the category, as these example show







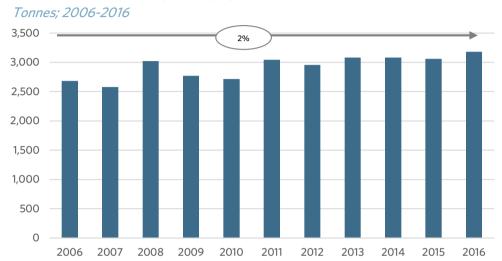
650t 500t 300t

EXPORT PERFORMANCE

ROCK LOBSTER, LIVE [HS030621]

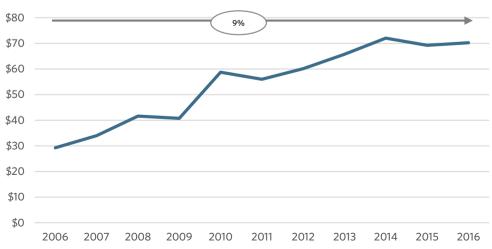
New Zealand has growing live rock lobster exports, over-exposed to China

NEW ZEALAND EXPORT VOLUME

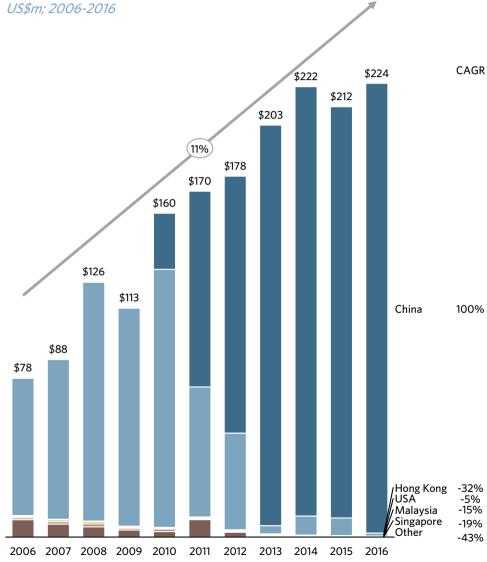


AVERAGE REPORTED NEW ZEALAND EXPORT PRICE

US\$/kg; as reported FOB NZ; 2006-2016







QUANTITATIVE

QUANTITATIVE SCC	RECARD
ACROSS ALL MAI	RKETS
Import value (US\$m; 16)	\$832
5y CAGR (US\$; 11-16)	5%
5y ABS (US\$m; 11-16)	+\$162
Average \$/kg or I (US\$; 16)	\$50.60
Top 21 highest imp/cap (US\$; 16)	\$50.60
Top 21 lowest imp/cap (US\$; 16)	\$0.00
Top 3 importers share	93%
Top 10 importers share	99%
Top 21 w/imports >10% CAGR	5
Top 3 exporters share	91%
Top 10 exporters share	98%
New Zealand share	26.9%
"Strawman" potentia upside in next de	
+\$20-50m	

TOTAL GLOBAL IMPORTS									
	Total	Import	value; CIF r	eceiver	\$,	⁄kg	Import per		
Country	import share	US\$m; 16	5y CAGR	5y ABS	US\$; 16	5y CAGR	capita US\$; 16		
Vietnam	53.4%	\$444	98%	\$430	\$56	-2%	\$4.85		
China	30.4%	\$253	6%	\$63	\$63	7%	\$0.18		
Hong Kong SAR	9.6%	\$80	-26%	-\$278	\$34	-7%	\$10.92		
France	1.3%	\$11	2%	\$1	\$41	-1%	\$0.16		
Taiwan	1.0%	\$9	13%	\$4	\$21	11%	\$0.36		
Spain	0.8%	\$6	0%	\$0	\$18	0%	\$0.14		
Italy	0.7%	\$5	-3%	-\$1	\$35	-3%	\$0.09		
Macau SAR	0.5%	\$5	7%	\$1	\$33	-4%	\$7.01		
Japan	0.5%	\$4	-25%	-\$13	\$42	1%	\$0.03		
Portugal	0.5%	\$4	4%	\$1	\$17	-9%	\$0.37		
USA	0.5%	\$4	-34%	-\$27	\$38	-1%	\$0.01		
Singapore	0.2%	\$2	-6%	-\$1	\$12	-14%	\$0.36		
Malaysia	0.2%	\$1	-17%	-\$2	\$26	0%	\$0.04		
Thailand	0.1%	\$1	-41%	-\$15	\$16	-23%	\$0.02		
Switzerland	0.1%	\$0.4	64%	\$0	\$32	-8%	\$0.05		
Oman	0.0%	\$0.4	-2%	\$0	\$272	25%	\$0.10		
UAE	0.0%	\$0.4	-14%	\$0	\$9	-25%	\$0.04		
United Kingdom	0.0%	\$0.3	47%	\$0	\$39	67%	\$0.00		
Canada	0.0%	\$0.2	71%	\$0	\$19	13%	\$0.01		
Belgium	0.0%	\$0.2	-14%	\$0	\$34	14%	\$0.02		
Argentina	0.0%	\$0.2	N/A	\$0	\$30.05	N/A	\$0.00		
Other	0.1%	\$1	-17.0%	\$(1)	\$19	19.8%			
TOTAL	100.0%	\$832	4.4%	\$162	\$51	2.9%			

TOTAL GLOBAL EXPORTS								
	Total	Export v	alue; CIF	receiver	\$/kg			
Country	export share	US\$m; 16	5y CAGR	5y ABS	US\$; 16	5y CAGR		
Australia	59.3%	\$494	5%	\$109	\$55.70	1%		
New Zealand	26.9%	\$224	6%	\$53	\$70.28	5%		
South Africa	4.5%	\$37	-1%	-\$1	\$34.99	-3%		
Portugal	2.0%	\$17	48%	\$15	\$45.48	-4%		
Indonesia	1.4%	\$12	32%	\$9	\$10.14	23%		
Mexico	1.2%	\$10	-20%	-\$20	\$46.85	3%		
USA	1.0%	\$8	-4%	-\$2	\$22.60	12%		
Morocco	0.6%	\$5	-7%	-\$2	\$19.42	1%		
Hong Kong SAR	0.6%	\$5	2%	\$0	\$30.96	1%		
Chile	0.5%	\$4	4%	\$1	\$47.53	3%		
China	0.4%	\$3	65%	\$3	\$64.16	0%		
Spain	0.4%	\$3	-5%	-\$1	\$40.90	0%		
Mauritania	0.3%	\$3	N/A	\$3	\$11.31	N/A		
France	0.3%	\$2	0%	\$0	\$61.45	-2%		
Senegal	0.1%	\$1	45%	\$1	\$20.84	-1%		
Germany	0.1%	\$1	95%	\$1	\$28.20	-15%		
Ireland	0.1%	\$1	1%	\$0	\$22.35	-17%		
Myanmar	0.1%	\$0	N/A	\$0	\$15.03	N/A		
Italy	0.1%	\$0	16%	\$0	\$32.10	-11%		
United Kingdom	0.1%	\$0	-20%	-\$1	\$23.40	-5%		
Jamaica	0.0%	\$0	N/A	\$0	\$18.98	N/A		
Other	0.2%	\$1	82%	\$(5)	\$9	10%		
TOTAL	100.0%	\$832	4.4%	\$162	\$51	2.9%		

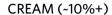
QUALITATIVE SCORECARD		SITUATION/STRUCTURE	NATURE OF THE OPPORTUNITY & CHALLENGE FOR NZ				
MARKETS		NEW ZEALAND	LEVERAGEABLE NEW ZEALAND FACTORS	OPPORTUNITIES FOR LINE EXTENSION/NPD			
Large global market Strongly growing demand Wide spread of markets/buyers Asian opportunity Premium for quality/safety Rich countries do it Capital intensive		 NZ is the second largest exporter of rock lobster after Australia NZ's commercial fishery is the spiny rock lobster primarily Jasus edwardsii; koura Stable, sustainable supply from a well managed wild capture fishery Over-reliance on China 	 Clean, green, safe source of seafood Wild caught from sustainable fisheries Premium species unique to New Zealand waters Freshly caught; proximity to market (vs. Canada) Unique cultural sustainable story around New Zealand lobster 	 Gift packaging Innovative packaging to maintain freshness Direct to door service Flavouring and sauces with by-products 			
NEW ZEALAND)	DRIVER OF CONSUMER/MARKET SUCCESS	CHALLENGES/LIMITATIONS TO GROWTH	SOURCES OF VALUE CREATION			
Large number of NZ firms Required skills for success Leverage country image Able to differentiate Arriving "early to the party" OVERALL		- Premium, luxury seafood - Especially prized for celebrations & events - Gift giving - Red colour (for Chinese market)	- Increasing production limited by quota system - Efficient cold chain management is essential - Lack of airfreight capacity to key markets	- Consolidate New Zealand and Australian producers - Improve management of wild stocks to grow supply to historical levels and drive up price - Linking into tourism and Maori tourism (e.g. Kaikoura coast)			

HIGH FAT FLUID MILK/CREAM [HS040130]

New Zealand is succeeding in the category, as these example show

EXAMPLE FIRMS/PRODUCTS

FULL/HIGH FAT MILK (6%+)









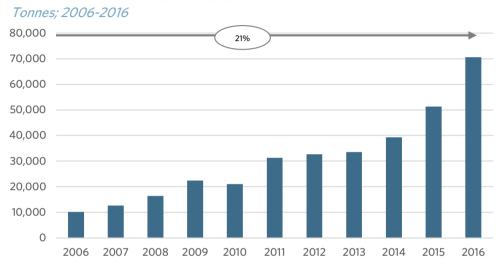




EXPORT PERFORMANCE

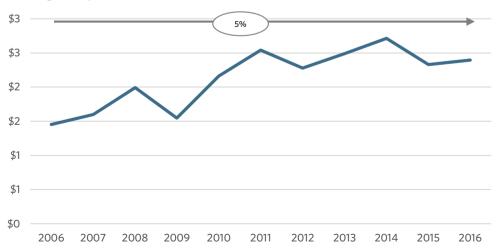
HIGH FAT FLUID MILK/CREAM [HS040130] New Zealand has growing high fat fluid milk & cream exports

NEW ZEALAND EXPORT VOLUME



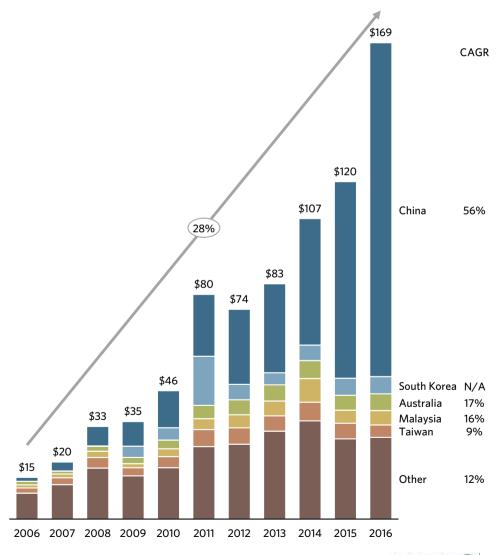
AVERAGE REPORTED NEW ZEALAND EXPORT PRICE

US\$/kg; as reported FOB NZ; 2006-2016



NEW ZEALAND EXPORT VALUE BY KEY MARKETS

US\$m; 2006-2016



HIGH FAT FLUID MILK/CREAM [HS040130]

QUANTITATIVE

QUANTITATIVE SCC	DRECARD				
ACROSS ALL MAI	RKETS				
Import value (US\$m; 16)	\$2,446				
5y CAGR (US\$; 11-16)	-3%				
5y ABS (US\$m; 11-16)	-\$334				
Average \$/kg or I (US\$; 16)	\$1.85				
Top 21 highest imp/cap (US\$; 16)	\$18.59				
Top 21 lowest imp/cap (US\$; 16)	\$0.17				
Top 3 importers share	41%				
Top 10 importers share	72%				
Top 21 w/imports >10% CAGR	4				
Top 3 exporters share	41%				
Top 10 exporters 78% share					
New Zealand share 6.6%					
"Strawman" potential exports upside in next decade					
+\$50-150m					

TOTAL GLOBAL IMPORTS								
	Total	Import value; CIF receiver \$/kg			/kg	Import		
Country	import share	US\$m; 16	5y CAGR	5y ABS	US\$; 16	5y CAGR	per capita US\$; 16	
Germany	18.0%	\$440	0%	-\$7	\$1.67	-8%	\$5.43	
France	13.7%	\$334	-4%	-\$82	\$1.95	-5%	\$4.98	
China	9.6%	\$235	49%	\$203	\$2.73	-2%	\$0.17	
Belgium	8.4%	\$206	-11%	-\$166	\$2.37	-6%	\$18.29	
Italy	6.7%	\$163	-8%	-\$88	\$1.77	-5%	\$2.68	
Sweden	4.6%	\$112	8%	\$35	\$1.98	-6%	\$11.44	
UAE	2.9%	\$71	2%	\$5	\$1.18	3%	\$7.72	
Poland	2.8%	\$69	5%	\$15	\$1.80	-5%	\$1.80	
United Kingdom	2.7%	\$67	-6%	-\$26	\$2.13	5%	\$1.04	
Kuwait	2.5%	\$61	18%	\$34	\$0.99	-7%	\$18.59	
South Korea	2.1%	\$51	-4%	-\$10	\$2.31	-6%	\$1.00	
Russia	1.9%	\$46	9%	\$16	\$1.77	-6%	\$0.31	
Spain	1.6%	\$40	-15%	-\$48	\$2.08	23%	\$0.85	
Denmark	1.5%	\$38	2%	\$4	\$2.08	-6%	\$6.61	
Saudi Arabia	1.5%	\$36	-3%	-\$6	\$3.17	-2%	\$1.15	
Greece	1.4%	\$34	-11%	-\$28	\$1.48	-2%	\$3.11	
Czech Republic	1.3%	\$31	-1%	-\$2	\$1.74	-2%	\$2.95	
Taiwan	1.0%	\$24	3%	\$3	\$2.32	-3%	\$1.04	
Mexico	0.9%	\$22	11%	\$9	\$2.24	11%	\$0.18	
Bahrain	0.9%	\$22	23%	\$14	\$0.99	-4%	\$16.11	
Malaysia	0.9%	\$22	6%	\$5	\$2.15	-8%	\$0.71	
Other	13%	\$323	-10%	\$(215)	\$1.74	-1%		
TOTAL	100%	\$2,446	-3%	\$(334)	\$2	-3%		

TOTAL GLOBAL EXPORTS									
	Total	Export v	alue; CIF	receiver	\$/kg				
Country	export share	US\$m; 16	5y CAGR	5y ABS	US\$; 16	5y CAGR			
Netherlands	22.3%	\$545	5%	\$120	\$1.91	-7%			
France	9.7%	\$238	-5%	-\$64	\$2.23	-1%			
Germany	9.4%	\$229	-13%	-\$228	\$1.81	0%			
Belgium	9.0%	\$221	-6%	-\$83	\$1.90	-4%			
New Zealand	6.6%	\$162	14%	\$78	\$2.69	-1%			
Saudi Arabia	6.1%	\$150	15%	\$76	\$1.03	3%			
Spain	4.9%	\$119	-8%	-\$57	\$1.98	-8%			
Poland	4.1%	\$101	-8%	-\$52	\$1.84	-7%			
Lithuania	3.0%	\$74	-6%	-\$28	\$1.76	-7%			
Austria	2.5%	\$62	28%	\$44	\$1.85	-5%			
United Kingdom	2.5%	\$61	-20%	-\$121	\$2.07	-8%			
Denmark	2.1%	\$51	-4%	-\$12	\$1.94	-7%			
Finland	2.0%	\$49	13%	\$23	\$2.36	-3%			
Belarus	1.9%	\$45	1021%	\$45	\$1.77	-8%			
USA	1.8%	\$43	7%	\$12	\$2.52	8%			
Ireland	1.6%	\$39	-7%	-\$17	\$1.97	2%			
Italy	1.5%	\$37	5%	\$7	\$2.01	-8%			
Czech Republic	1.0%	\$25	-9%	-\$15	\$1.56	-4%			
Australia	1.0%	\$24	-3%	-\$4	\$2.04	-7%			
Slovakia	0.7%	\$17	-11%	-\$13	\$1.52	-5%			
Portugal	0.6%	\$15	-25%	-\$46	\$1.95	26%			
Other	5.7%	\$140	0%	\$(0)	\$1.59	-2%			
TOTAL	100%	\$2,446	-3%	\$(334)	\$1.85	-3%			

QUALITATIVE SCORE	CARD	SITUATION/STRUCTURE	NATURE OF THE OPPORTUNITY & CHALLENGE FOR NZ				
MARKETS		NEW ZEALAND	LEVERAGEABLE NEW ZEALAND FACTORS	OPPORTUNITIES FOR LINE EXTENSION/NPD			
Large global market		New Zealand currently achieving an export premium New Zealand has a wide variety of sophisticated	 Grass-fed/pasture-based production systems Low cost producer of dairy products 	Goat and sheep based product range New flavourings and dessert options			
Strongly growing demand		dairy companies with deep export experience - Large number of dairy companies with a broad	- Reputation for quality dairy products	- Innovative packaging			
Wide spread of markets/buyers	•	product range		- End recipe specific products - Co-branded dessert products (e.g. "Made with Tatua cream"			
Asian opportunity							
Premium for quality/safety							
Rich countries do it							
Capital intensive							
NEW ZEALAND		DRIVER OF CONSUMER/MARKET SUCCESS	CHALLENGES/LIMITATIONS TO GROWTH	SOURCES OF VALUE CREATION			
Large number of NZ firms		Increasing dairy consumption in China and greater Asia	- Growth of non-dairy based alternatives	- Highly branded premium products			
Required skills for success	•	- Strong existing relationships/trade deals into China					
Leverage country image							
Able to differentiate							
Arriving "early to the party"							
OVERALL	0						

INNOVATIVE FOODS/FOOD PREPARATIONS NES [HS210690]

EXAMPLE FIRMS/PRODUCTS

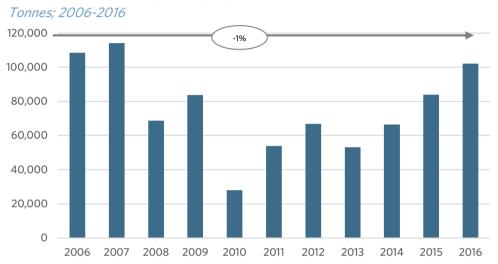
New Zealand has a range of firms succeeding in the category, as this example shows



EXPORT PERFORMANCE

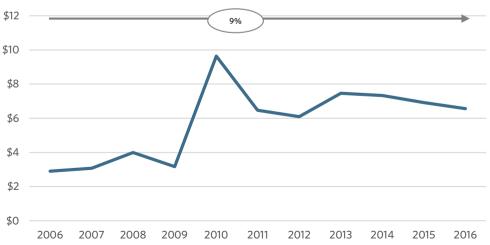
INNOVATIVE FOODS/FOOD PREPARATIONS NES [HS210690] New Zealand has growing innovative foods exports

NEW ZEALAND EXPORT VOLUME



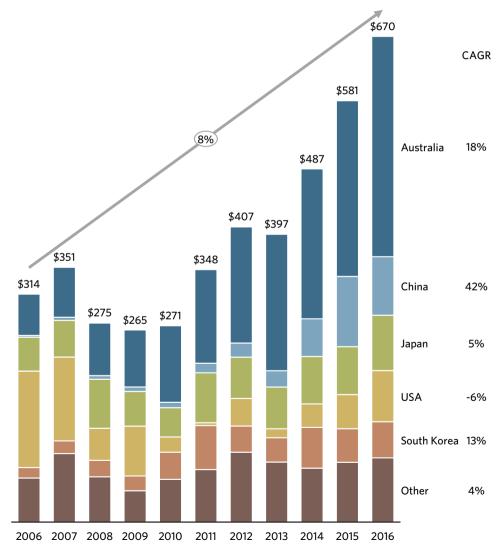
AVERAGE REPORTED NEW ZEALAND EXPORT PRICE

US\$/kg; as reported FOB NZ; 2006-2016



NEW ZEALAND EXPORT VALUE BY KEY MARKETS

US\$m; 2006-2016



INNOVATIVE FOODS/FOOD PREPARATIONS NOT ELSEWHERE SPECIFIED [HS210690] QUANTITATIVE

QUANTITATIVE SCC	RECARD				
ACROSS ALL MAI	RKETS				
Import value (US\$m; 16)	\$32,160				
5y CAGR (US\$; 11-16)	2%				
5y ABS (US\$m; 11-16)	+\$2,411				
Average \$/kg or I (US\$; 16)	\$5				
Top 21 highest imp/cap (US\$; 16)	\$131.49				
Top 21 lowest imp/cap (US\$; 16)	\$1.21				
Top 3 importers share	20%				
Top 10 importers share	44%				
Top 21 w/imports >10% CAGR	4				
Top 3 exporters share	37%				
Top 10 exporters 62% share					
New Zealand share 1.7%					
"Strawman" potential exports upside in next decade					
+\$500-1,000m					

TOTAL GLOBAL IMPORTS								
	Total	Import	value; CIF r	eceiver	\$/kg		Import per	
Country	import share	US\$m; 16	5y CAGR	5y ABS	US\$; 16	5y CAGR	capita US\$; 16	
USA	7.4%	\$2,394	6%	\$623	\$4.25	-2%	\$7.44	
United Kingdom	6.9%	\$2,234	9%	\$810	\$5.35	-1%	\$34.58	
Germany	5.8%	\$1,856	6%	\$472	\$4.13	-5%	\$22.89	
China	5.2%	\$1,666	21%	\$1,026	\$8.64	2%	\$1.21	
Australia	4.1%	\$1,305	3%	\$206	\$5.95	-9%	\$54.59	
Canada	4.0%	\$1,300	3%	\$204	\$5.43	2%	\$36.36	
South Korea	3.5%	\$1,116	8%	\$354	\$9.60	4%	\$21.69	
Japan	3.4%	\$1,099	0%	-\$26	\$2.18	-6%	\$8.66	
France	3.3%	\$1,045	1%	\$40	\$4.53	-3%	\$15.59	
Hong Kong SAR	3.0%	\$960	19%	\$559	\$8.28	10%	\$131.49	
Italy	2.5%	\$793	6%	\$206	\$5.20	-5%	\$13.04	
Belgium	2.4%	\$785	6%	\$197	\$2.99	-6%	\$69.76	
Spain	2.3%	\$752	-7%	-\$340	\$3.47	-11%	\$16.20	
Philippines	2.3%	\$745	14%	\$360	\$3.81	8%	\$7.30	
Malaysia	2.2%	\$708	7%	\$197	\$5.22	1%	\$23.06	
Mexico	2.1%	\$662	6%	\$157	\$603.9	160%	\$5.47	
Taiwan	2.0%	\$655	7%	\$187	\$4.59	-1%	\$27.91	
Poland	1.7%	\$548	4%	\$103	\$4.20	-5%	\$14.24	
Turkey	1.6%	\$526	10%	\$198	\$3.38	-7%	\$6.76	
Russia	1.6%	\$503	-8%	-\$256	\$4.60	-4%	\$3.43	
UAE	1.6%	\$501	8%	\$162	\$4.56	1%	\$54.72	
Other	31%	\$10,008	-5%	\$(3,028)	\$4.26	-3%		
TOTAL	100%	\$32,160	2%	\$2,411	\$5	-2%		

TOTAL GLOBAL EXPORTS									
	Tatal	Export v	alue; CIF	receiver	\$/	kg			
Country	Total export share	US\$m; 16	5y CAGR	5y ABS	US\$; 16	5y CAGR			
USA	16.4%	\$5,282	4%	\$941	\$10.00	7%			
Netherlands	13.6%	\$4,378	16%	\$2,278	\$4.61	-2%			
Germany	7.0%	\$2,266	-3%	-\$423	\$4.88	1%			
Thailand	5.5%	\$1,769	16%	\$933	\$1.91	-0%			
Singapore	3.8%	\$1,229	1%	\$71	\$9.90	-2%			
Ireland	3.5%	\$1,138	-13%	-\$1,103	\$12.21	-7%			
France	3.2%	\$1,037	-7%	-\$427	\$3.78	-7%			
Denmark	3.0%	\$968	-3%	-\$184	\$6.37	-1%			
China	2.7%	\$865	-2%	-\$93	\$3.21	1%			
Canada	2.7%	\$865	1%	\$60	\$4.57	-2%			
United Kingdom	2.6%	\$838	1%	\$36	\$6.67	4%			
Italy	2.5%	\$805	2%	\$81	\$4.39	-0%			
Austria	2.4%	\$766	18%	\$425	\$3.74	-2%			
Australia	2.2%	\$707	18%	\$400	\$10.46	15%			
Switzerland	2.2%	\$692	-3%	-\$99	\$10.86	1%			
Poland	2.1%	\$688	2%	\$50	\$4.45	-3%			
New Zealand	1.7%	\$550	12%	\$236	\$5.97	-2%			
Belgium	1.7%	\$536	-7%	-\$219	\$2.98	-5%			
South Korea	1.5%	\$495	4%	\$97	\$2.18	1%			
Brazil	1.5%	\$488	0%	\$0	\$1.47	0%			
Spain	1.4%	\$462	1%	\$25	\$4.45	-4%			
Other	16.6%	\$5,338	-2%	\$(674)	\$4.10	-3%			
TOTAL	100%	\$32,160	2%	\$2,411	\$4.59	-2%			

INNOVATIVE FOODS/FOOD PREPARATIONS NOT ELSEWHERE SPECIFIED [HS210690]

QUALITATIVE

QUALITATIVE SCORECARD		SITUATION/STRUCTURE	NATURE OF THE OPPORTUNITY & CHALLENGE FOR NZ			
MARKETS		NEW ZEALAND	LEVERAGEABLE NEW ZEALAND FACTORS	OPPORTUNITIES FOR LINE EXTENSION/NPD		
Large global market		- "Innovative foods" are new food products that do not currently have a trade code as they do not fall under	- Isolated island location	- Pack sizes		
Strongly growing demand Wide spread of markets/buyers Asian opportunity Premium for quality/safety Rich countries do it Capital intensive	• • • • • • • • • • • • • • • • • • •	 any current classification Due to New Zealand privacy laws, the details of the products and firms that export under this code are confidential Based on discussions with firms and various government departments, we believe ~70-80% of what is exported under this code are nutraceuticals, functional foods and innovative products (e.g. self-saucing puddings) New Zealand produces a wide range of these types of innovative foods 	 Unique plants not generally found elsewhere Strong food safety standards Trusted by consumers Track record of success with new product launches (e.g. manuka honey, kiwifruit) 	 Delivery mechanisms Expanded usage Cosmetics/HBC 		
NEW ZEALAND		DRIVER OF CONSUMER/MARKET SUCCESS	CHALLENGES/LIMITATIONS TO GROWTH	SOURCES OF VALUE CREATION		
Large number of NZ firms Required skills for		Constant demand for new categories and products as ingredients and retail-ready products	 Limited pool of products that are both unique/defensible and backed by science 	- Industry consolidation - Promoting "new" botanicals		
success						
Leverage country image						
Able to differentiate						
Arriving "early to the party"						
OVERALL						

New Zealand is succeeding in the category, as this example shows





To clarify, New Zealand's exports under this trade code are un-ripened/uncured Italian-type "mozzarella" cheese, primarily for use in pizza

CATEGORY	CHEESE (HSO406)						
ТҮРЕ	FRESH 040610	GRATED 0040620	PROCESSED 040630	BLUE VEIN 040640	OTHER CHEESES 040690	OTHER	
DESCRIPTION	Fresh (unripened or uncured) cheese, including whey cheese, and curd	Grated or powdered cheese, of all kinds	Processed cheese, not grated or powdered	Blue-veined cheese and other cheese containing veins produced by <i>Penicillium roqueforti</i> :	Other cheese	All other cheese containing products would be counted elsewhere	
	Fresh Mozzarella	Grated cheddar	American-style cheese	Roquefort	Cheddar	OTHER	
	Fresh (unripened/uncured) Italian-type cheeses from cow milk, cheese/substitutes cont or proc therefrom: Italian-type cheeses, made	Grated colby	Processed colby	Stilton	Colby		
	from cow's milk, in original loaves (Romano made from cow's milk, Reggiano, Parmesan, Provol- one, Provoletti and Sbrinz);	Grated edam or gouda	Processed other	Other blue-vein cheeses	Edam or gouda		
DESCRIPTION	Italian-type cheeses, made from cow's milk, not in original loaves (Romano made from cow's milk, Reggiano, Parmesan, Provolone, Provoletti, Sbrinz	Grated other			Swiss		
	and Goya), and cheese and substitutes for cheese containing, or processed from, such Italian- type cheeses, whether or not in original loaves				Numerous others		
	Chongos, other fresh cheeses	I					

Success in "fresh cheese" (HSO40610) has been driven by Fonterra

"This new plant, like the two before it, uses patented technology to produce a high quality, natural mozzarella without using chemicals in the production process...

It is the only process of its kind in the world that can significantly reduce production time while still remaining 100 per cent natural – something our customers and their consumers place great value in. It is one of our key product differentiators and has helped make mozzarella one of the most indemand of our foodservice products.

Once this expansion is complete, Fonterra's mozzarella sales will have increased by more than 60 per cent since 2008 when the first IQF plant was built." "Fonterra's new \$240 million mozzarella plant in South Canterbury will make us the largest producer of natural mozzarella in the Southern Hemisphere...

The new plant will double Fonterra's ability to produce individually quick frozen (IQF) mozzarella...

The world-class innovation behind the IQF mozzarella reduces the processing time from three months to just six hours, and is one of the cooperative's most tightly-kept secrets." *

"Fonterra's IQF mozzarella is already topping more than half the pizzas in China... Forty per cent of people in urban China now eat at Western-style fast food outlets once a week, and the use of dairy in the food service has grown by over 30 per cent in just five years...

We see massive growth potential and our teams in the market are continually working to grow this valuable part of the business as we work towards food service becoming a \$5 billion business by 2023... "

Fonterra statements & press release Dec 2016

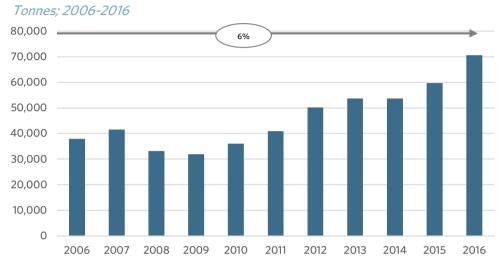
Jacqueline Chow, Chief Operating Officer, Global Consumer and Food Service, Dec 2016

Robert Spurway, Chief Operating Officer Global Operations, Dec 2016

FRESH CHEESE [HS040610]

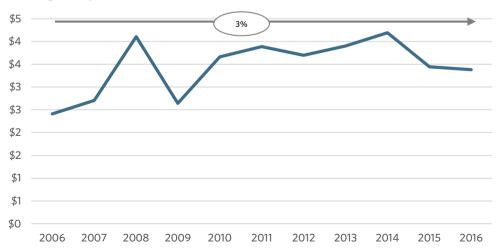
New Zealand has growing fresh cheese exports

NEW ZEALAND EXPORT VOLUME

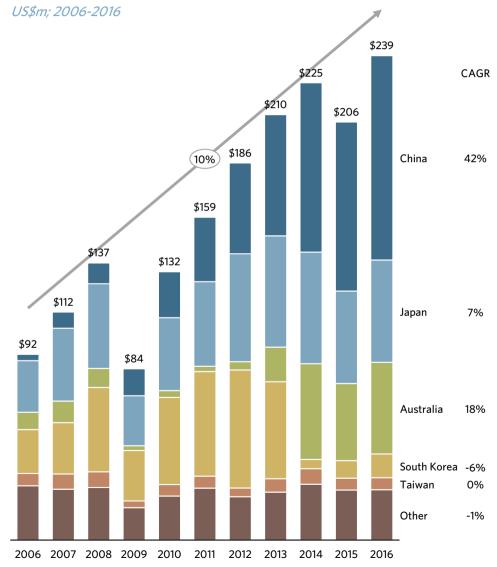


AVERAGE REPORTED NEW ZEALAND EXPORT PRICE

US\$/kg; as reported FOB NZ; 2006-2016



NEW ZEALAND EXPORT VALUE BY KEY MARKETS



FRESH CHEESE [HSO40610]

QUANTITATIVE

QUANTITATIVE SCO	DRECARD				
ACROSS ALL MA	RKETS				
Import value (US\$m; 16)	\$9,488				
5y CAGR (US\$; 11-16)	0%				
5y ABS (US\$m; 11-16)	-\$63				
Average \$/kg or I (US\$; 16)	\$3.93				
Top 21 highest imp/cap (US\$; 16)	\$39.31				
Top 21 lowest imp/cap (US\$; 16)	\$0.21				
Top 3 importers share	33%				
Top 10 importers share	69%				
Top 21 w/imports >10% CAGR	3				
Top 3 exporters share	42%				
Top 10 exporters 76% share					
New Zealand share 5.7%					
"Strawman" potential exports upside in next decade					
+\$300-1,000m					

TOTAL GLOBAL IMPORTS											
	Total import share	Import value; CIF receiver			\$/kg		Import per				
Country		US\$m; 16	5y CAGR	5y ABS	US\$; 16	5y CAGR	capita US\$; 16				
Italy	13.6%	\$1,294	-4%	-\$275	\$3.34	-7%	\$21.28				
Germany	10.0%	\$947	2%	\$81	\$4.99	-2%	\$11.68				
United Kingdom	9.8%	\$934	-2%	-\$85	\$2.98	-8%	\$14.47				
France	7.8%	\$740	6%	\$179	\$6.62	-3%	\$11.03				
Japan	7.1%	\$678	-1%	-\$33	\$4.55	-2%	\$5.34				
South Korea	5.6%	\$529	5%	\$119	\$5.72	-4%	\$10.28				
Belgium	4.7%	\$442	2%	\$49	\$3.83	3%	\$39.31				
Spain	4.6%	\$439	-1%	-\$13	\$3.35	-10%	\$9.45				
China	3.0%	\$283	26%	\$195	\$14.43	-33%	\$0.21				
Russia	2.8%	\$263	-3%	-\$45	\$3.32	-18%	\$1.80				
Switzerland	2.2%	\$207	-1%	-\$6	\$5.73	-12%	\$25.05				
Poland	1.8%	\$173	4%	\$32	\$4.50	-24%	\$4.50				
UAE	1.7%	\$160	24%	\$106	\$13.42	13%	\$17.46				
Sweden	1.6%	\$151	-1%	-\$11	\$4.63	-8%	\$15.43				
Brazil	1.6%	\$150	-1%	-\$6	\$4.25	-42%	\$0.73				
USA	1.6%	\$148	11%	\$61	\$10.07	2%	\$0.46				
Romania	1.5%	\$141	9%	\$50	\$5.37	-25%	\$7.08				
Czech Republic	1.4%	\$136	0%	\$1	\$3.00	-6%	\$12.87				
Ireland	1.2%	\$110	7%	\$31	\$4.80	-17%	\$23.82				
Denmark	1.1%	\$101	2%	\$9	\$3.18	0%	\$17.78				
Greece	1.0%	\$94	-5%	-\$29	\$3.31	-2%	\$8.69				
Other	14%	\$1,368	-6%	\$(474)	\$2.72	-13%					
TOTAL	100%	\$9,488	0%	\$(63)	\$4	-6%					

TOTAL GLOBAL EXPORTS											
	Total	Export v	alue; CIF	\$/kg							
Country	Total export share	US\$m; 16	5y CAGR	5y ABS	US\$; 16	5y CAGR					
Germany	19.2%	\$1,823	-6%	-\$624	\$2.62	-10%					
Italy	12.8%	\$1,216	3%	\$161	\$6.76	-2%					
France	9.6%	\$907	-7%	-\$390	\$2.31	-13%					
Denmark	8.6%	\$817	-3%	-\$144	\$3.59	-9%					
USA	5.8%	\$552	7%	\$164	\$6.02	-8%					
New Zealand	5.7%	\$537	5%	\$113	\$5.48	-7%					
Australia	5.1%	\$482	-2%	-\$52	\$4.02	-3%					
Poland	3.3%	\$317	6%	\$78	\$4.64	-2%					
Austria	3.3%	\$315	11%	\$129	\$6.49	1%					
Netherlands	3.0%	\$289	16%	\$150	\$9.41	10%					
Belgium	2.9%	\$278	2%	\$28	\$5.00	-11%					
Spain	2.6%	\$245	14%	\$118	\$7.73	7%					
Belarus	2.1%	\$199	119%	\$195	N/A	-21%					
Lithuania	2.1%	\$198	-5%	-\$60	\$3.19	-19%					
United Kingdom	1.8%	\$174	-2%	-\$17	\$4.25	-16%					
Argentina	1.8%	\$173	-5%	-\$46	\$3.42	-22%					
Saudi Arabia	1.8%	\$171	30%	\$125	\$14.27	19%					
Ireland	1.0%	\$94	-5%	-\$27	\$3.38	-8%					
Czech Republic	0.9%	\$88	15%	\$45	\$7.38	5%					
Uruguay	0.6%	\$54	7%	\$16	\$6.63	20%					
Switzerland	0.6%	\$53	-3%	-\$9	\$4.66	-38%					
Other	5.3%	\$507	-1%	\$(15)	\$3.38	-6%					
TOTAL	100%	\$9,488	0%	\$(63)	\$3.93	-6%					



QUALITATIVE SCORE	CARD	SITUATION/STRUCTURE	NATURE OF THE OPPORTUNITY & CHALLENGE FOR NZ				
MARKETS		NEW ZEALAND	LEVERAGEABLE NEW ZEALAND FACTORS	OPPORTUNITIES FOR LINE EXTENSION/NPD			
Large global market Strongly growing demand Wide spread of markets/buyers Asian opportunity Premium for quality/safety Rich countries do it Capital intensive	• • • • • • • • • • • • • • • • • • •	 Category is very competitive (especially in the Foodservice channels) Recent significant investments in cheese manufacturing in New Zealand New Zealand has a wide variety of sophisticated dairy companies with deep export experience Large number of specialty cheese companies with a broad product range 	 Able to leverage existing relationships with key markets Grass-fed, pasture-based production systems Reputation for quality, safe dairy products Low cost supplier of dairy products 	 Develop premium brands for retail Develop unique flavour profile Innovative packaging (e.g. convenience, improved freshness, single serve) 			
Large number of NZ firms		DRIVER OF CONSUMER/MARKET SUCCESS - Growth of dairy consumption in Asia	CHALLENGES/LIMITATIONS TO GROWTH - Currently not achieving the premiums of Italy,	SOURCES OF VALUE CREATION - Exporting premium products to China, UAE and South Korea (high \$/kilo markets)			
Required skills for success		- On-going demand for foodservice products (e.g. Mozzarella cheese for pizzas)	Netherlands or Spain - Foodservice operators highly price sensitive at the ingredient level	- Able to build a New Zealand story around category			
Leverage country image				- Market to high end restaurants			
Able to differentiate							
Arriving "early to the party"							
OVERALL	•						

Fourteen emerging (US\$5-99m) product categories were evaluated across qualitative and quantitative measures

CORE \$100m+

Evaluate six large export product codes continuing to grow

Honey Infant formula, retail Rock Lobster, fresh High fat fluid milk Innovative foods Fresh cheese \$5-99m

Evaluate fourteen emerging export products creating solid growth

Extracts, meat & seafood
Cherries
Maize seed
Filled chocolate bars
Other flavoured beverages
Dog or cat food, retail
Salmon, chilled whole
Blueberries, etc.
Breakfast cereal/muesli bars, puffed
Bulk IF & other sweet WMP
Other prep/pres fruit
Avocados
Chocolate mixed
Prep/pres chicken meat

EXTRACTS, MEAT & SEAFOOD [HS160300]

EXAMPLE FIRMS/PRODUCTS

New Zealand has a range of firms succeeding in the category, as these example show







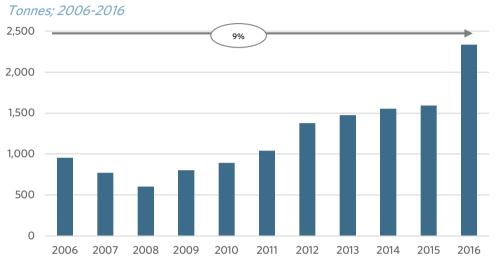


EXPORT PERFORMANCE

EXTRACTS, MEAT & SEAFOOD [HS160300]

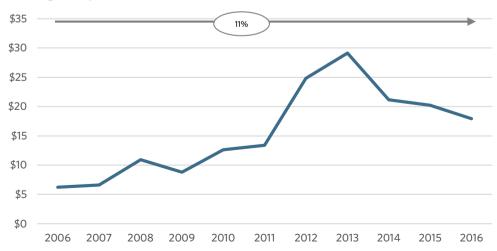
New Zealand has growing seafood and meat extract exports

NEW ZEALAND EXPORT VOLUME



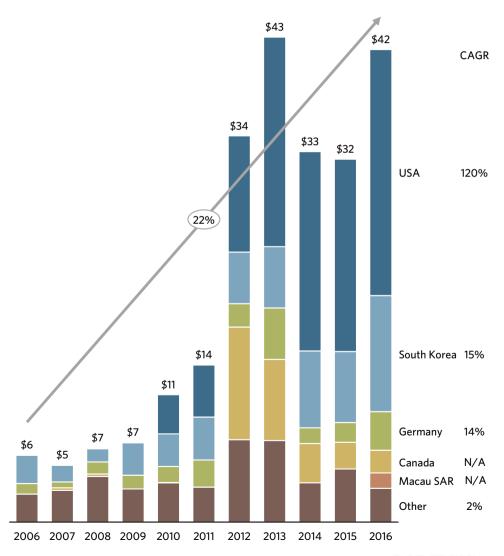
AVERAGE REPORTED NEW ZEALAND EXPORT PRICE

US\$/kg; as reported FOB NZ; 2006-2016



NEW ZEALAND EXPORT VALUE BY KEY MARKETS

US\$m; 2006-2016



EXTRACTS, MEAT & SEAFOOD [HS160300]

QUANTITATIVE SCO	DRECARD				
ACROSS ALL MARKETS					
Import value (US\$m; 16)	\$219				
5y CAGR (US\$; 11-16)	4%				
5y ABS (US\$m; 11-16)	+\$35				
Average \$/kg or I (US\$; 16)	\$4.25				
Top 21 highest imp/cap (US\$; 16)	\$1.99				
Top 21 lowest imp/cap (US\$; 16)	\$0.02				
Top 3 importers share	32%				
Top 10 importers share	71%				
Top 21 w/imports >10% CAGR	6				
Top 3 exporters share	33%				
Top 10 exporters share	70%				
New Zealand share	6.1%				
"Strawman" potential exports upside in next decade					
+\$5-10m					

	TOTAL GLOBAL IMPORTS								
	Total	Import	value; CIF ı	eceiver	\$,	Import			
Country	import share	US\$m; 16	5y CAGR	5y ABS	US\$; 16	5y CAGR	per capita US\$; 16		
Japan	14.1%	\$31	2%	\$2	\$4.48	-2%	\$0.24		
Germany	9.5%	\$21	6%	\$5	\$19.00	1%	\$0.26		
Belgium	8.0%	\$17	24%	\$11	\$11.60	3%	\$1.55		
South Korea	7.6%	\$17	3%	\$2	\$1.68	-2%	\$0.32		
Hong Kong SAR	6.6%	\$15	4%	\$3	\$2.85	5%	\$1.99		
Canada	6.6%	\$14	10%	\$6	\$4.69	5%	\$0.40		
Spain	5.7%	\$12	2%	\$1	\$14.76	3%	\$0.27		
France	4.5%	\$10	9%	\$3	\$3.61	-11%	\$0.15		
USA	4.3%	\$9	2%	\$1	\$4.33	-8%	\$0.03		
Australia	3.7%	\$8	37%	\$7	\$15.49	7%	\$0.34		
Singapore	3.4%	\$7	-3%	\$(1)	\$4.21	-3%	\$1.36		
Netherlands	3.0%	\$7	-7%	\$(3)	\$4.78	-11%	\$0.39		
Switzerland	2.8%	\$6	-5%	\$(2)	\$18.22	-1%	\$0.73		
United Kingdom	2.6%	\$6	-12%	\$(5)	\$2.83	-4%	\$0.09		
Taiwan	2.3%	\$5	46%	\$4	\$27.46	23%	\$0.21		
Italy	2.0%	\$4	-1%	\$(0)	\$6.40	-1%	\$0.07		
Ireland	1.6%	\$4	7%	\$1	\$4.64	1%	\$0.77		
Sweden	1.3%	\$3	7%	\$1	\$5.20	-2%	\$0.28		
Hungary	1.0%	\$2	11%	\$1	\$0.72	-16%	\$0.23		
Malaysia	0.9%	\$2	18%	\$1	\$3.33	3%	\$0.07		
Philippines	0.8%	\$2	8%	\$1	\$0.60	0%	\$0.02		
Other	7.7%	\$17	-4%	\$(4)	\$5.08	1%			
TOTAL	100%	\$219	4%	\$35	\$4.25	-1%			

TOTAL GLOBAL EXPORTS									
	Takal	Export v	alue; CIF	receiver	\$/	kg			
Country	Total export share	US\$m; 16	5y CAGR	5y ABS	US\$; 16	5y CAGR			
Brazil	12.4%	\$27	1%	\$2	\$14.25	-2%			
China	10.4%	\$23	10%	\$9	\$2.86	7%			
USA	10.1%	\$22	13%	\$10	\$5.81	8%			
Thailand	7.6%	\$17	-2%	-\$2	\$1.96	2%			
France	5.9%	\$13	-2%	-\$1	\$6.85	-1%			
Spain	8.1%	\$18	9%	\$6	\$12.48	1%			
New Zealand	6.1%	\$13	5%	\$3	\$5.38	-6%			
Netherlands	2.9%	\$6	-7%	-\$3	\$4.40	-10%			
Germany	3.4%	\$7	-3%	-\$1	\$15.81	2%			
United Kingdom	3.3%	\$7	6%	\$2	\$7.46	5%			
Australia	2.8%	\$6	-6%	-\$2	\$3.98	-7%			
Italy	4.4%	\$10	17%	\$5	\$2.51	-8%			
Belgium	4.0%	\$9	15%	\$4	\$16.67	13%			
Malaysia	2.0%	\$4	-0%	-\$0	\$3.59	-2%			
South Korea	2.2%	\$5	3%	\$1	\$4.38	-2%			
Argentina	0.2%	\$0	-44%	-\$6	\$2.01	-21%			
Japan	0.8%	\$2	-4%	-\$0	\$7.66	-3%			
Norway	1.1%	\$2	6%	\$1	\$15.71	31%			
Denmark	1.2%	\$3	5%	\$1	\$7.17	-3%			
Ireland	0.5%	\$1	-21%	-\$3	\$6.63	14%			
Taiwan	1.8%	\$4	43%	\$3	\$57.67	21%			
Other	8.6%	\$19	11%	\$7	\$1.68	-9%			
TOTAL	100%	\$219	4%	\$35	\$4.25	-1%			

QUALITATIVE

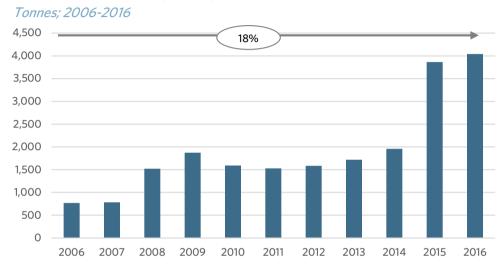
QUALITATIVE SCORECARD		SITUATION/STRUCTURE	NATURE OF THE OPPORTU	NATURE OF THE OPPORTUNITY & CHALLENGE FOR NZ				
MARKETS		NEW ZEALAND	LEVERAGEABLE NEW ZEALAND FACTORS	OPPORTUNITIES FOR LINE EXTENSION/NPD				
Large global market Strongly growing demand Wide spread of markets/buyers Asian opportunity Premium for quality/safety Rich countries do it Capital intensive	OOOOOOOOO	 A number of specialist refiners (e.g. SeaDragon, United Fisheries, BioLane) and contract packers (e.g. Alpha Laboratories) Recent investments in fish oil extraction (e.g. SeaDragon) Long history of sustainable meat and seafood production in New Zealand 	 Leverage the clean waters of New Zealand Sustainable sourcing of seafood Leverage disease-free status for blood plasma into pharmaceutical and medical industries 	 Nutraceutical/supplements combinations for multiple benefits Functional food ingredients Marketing single source, sustainable, traceable etc. 				
NEW ZEALAND		DRIVER OF CONSUMER/MARKET SUCCESS	CHALLENGES/LIMITATIONS TO GROWTH	SOURCES OF VALUE CREATION				
Large number of NZ firms Required skills for success Leverage country image Able to differentiate Arriving "early to the party" OVERALL	OOOOO	 Demand for high quality fish oil extracts Strong demand for scientifically proven nutraceuticals/supplements (greenlipped mussel extract, role of DHA and EPA) Strong demand for brain function and joint mobility in aging population 	 Highly competitive global market, with strong low cost suppliers out of Asia (e.g. China, Thailand) Barriers to entry for high value pharmaceutical grade meat extract products 	 Further research and science backing health/medical usage Single species oils and extracts Traceability Direct/online platform sales systems and management 				

New Zealand has a range of firms succeeding in the cherry category, as these example show



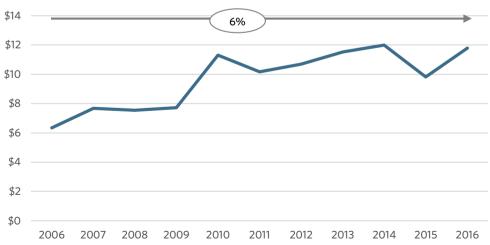
CHERRIES [HS080920] New Zealand has growing cherry exports

NEW ZEALAND EXPORT VOLUME



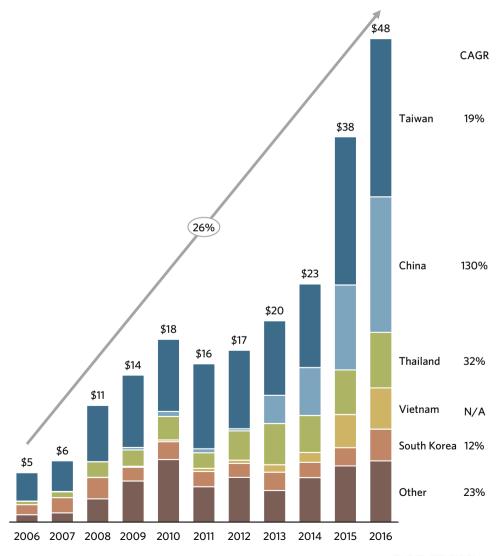
AVERAGE REPORTED NEW ZEALAND EXPORT PRICE

US\$/kg; as reported FOB NZ; 2006-2016



NEW ZEALAND EXPORT VALUE BY KEY MARKETS

US\$m; 2006-2016



CHERRIES [HS080920]

QUANTITATIVE SCC	DRECARD				
ACROSS ALL MARKETS					
Import value (US\$m; 16)	\$2,526				
5y CAGR (US\$; 11-16)	10%				
5y ABS (US\$m; 11-16)	+\$967				
Average \$/kg or I (US\$; 16)	\$4.28				
Top 21 highest imp/cap (US\$; 16)	\$73.32				
Top 21 lowest imp/cap (US\$; 16)	\$0.27				
Top 3 importers share	60%				
Top 10 importers share	84%				
Top 21 w/imports >10% CAGR	8				
Top 3 exporters share	76%				
Top 10 exporters share	91%				
New Zealand share	1.8%				
"Strawman" potential exports upside in next decade					
+\$50-150m					

TOTAL GLOBAL IMPORTS								
	Total	Import	value; CIF r	eceiver	\$/kg		Import per	
Country	import share	US\$m; 16	5y CAGR	5y ABS	US\$; 16	5y CAGR	capita US\$; 16	
China	31.5%	\$797	35%	\$618	\$7.29	-1%	\$0.58	
Hong Kong SAR	21.2%	\$535	24%	\$356	\$5.38	-1%	\$73.32	
Germany	7.0%	\$176	2%	\$14	\$2.53	-2%	\$2.17	
South Korea	5.0%	\$125	21%	\$77	\$9.06	-1%	\$2.43	
Canada	4.3%	\$108	-8%	\$(53)	\$4.56	-2%	\$3.01	
Russia	3.6%	\$92	-8%	\$(45)	\$1.36	-4%	\$0.63	
Taiwan	3.5%	\$88	2%	\$8	\$7.53	8%	\$3.76	
USA	3.5%	\$87	1%	\$5	\$6.61	10%	\$0.27	
United Kingdom	2.4%	\$62	-5%	\$(16)	\$3.47	-4%	\$0.95	
Japan	1.8%	\$45	-15%	\$(59)	\$9.85	0%	\$0.36	
Kazakhstan	1.7%	\$42	28%	\$30	\$1.76	-6%	\$2.39	
Italy	1.4%	\$35	2%	\$4	\$2.75	-4%	\$0.58	
Netherlands	1.2%	\$30	-4%	\$(7)	\$3.10	-5%	\$1.79	
Austria	1.0%	\$26	17%	\$15	\$2.35	-5%	\$3.07	
Belarus	1.0%	\$26	73%	\$24	\$1.43	12%	\$2.76	
France	0.9%	\$24	-2%	\$(3)	\$3.01	4%	\$0.35	
Belgium	0.7%	\$18	-10%	\$(13)	\$2.81	-5%	\$1.64	
Singapore	0.7%	\$17	3%	\$2	\$9.16	-1%	\$3.18	
Switzerland	0.7%	\$16	13%	\$8	\$5.00	11%	\$2.00	
Sweden	0.6%	\$16	28%	\$11	\$3.73	-6%	\$1.62	
Norway	0.5%	\$13	9%	\$4	\$6.23	-4%	\$2.54	
Other	5.7%	\$145	-2%	\$(14)	\$2.51	-4%		
TOTAL	100%	\$2,526	10%	\$967	\$4.28	2%		

TOTAL GLOBAL EXPORTS									
	Total	Export v	alue; CIF	receiver	\$/	kg			
Country	export share	US\$m; 16	5y CAGR	5y ABS	US\$; 16	5y CAGR			
Chile	47.9%	\$1,210	24%	\$802	\$6.22	3%			
USA	20.3%	\$514	0%	\$7	\$6.51	0%			
Turkey	7.8%	\$198	11%	\$82	\$2.97	2%			
Spain	4.2%	\$106	1%	\$6	\$3.28	2%			
Canada	2.6%	\$65	9%	\$23	\$6.22	4%			
Uzbekistan	2.0%	\$52	7%	\$15	\$1.77	-8%			
New Zealand	1.8%	\$46	26%	\$32	\$12.19	10%			
Australia	1.8%	\$45	30%	\$33	\$11.25	7%			
Greece	1.6%	\$41	11%	\$17	\$2.03	-3%			
Italy	1.3%	\$32	-10%	-\$21	\$4.88	6%			
Argentina	1.0%	\$25	12%	\$10	\$6.98	7%			
Germany	1.0%	\$24	7%	\$7	\$2.29	3%			
Azerbaijan	0.9%	\$23	43%	\$19	\$1.54	5%			
Serbia	0.7%	\$19	8%	\$6	\$1.16	-3%			
Netherlands	0.6%	\$16	-7%	-\$7	\$2.81	-9%			
Hungary	0.6%	\$14	-18%	-\$25	\$0.73	-13%			
Poland	0.6%	\$14	0%	\$0	\$1.13	-5%			
Belgium	0.3%	\$9	-8%	-\$5	\$3.88	4%			
France	0.3%	\$9	-21%	-\$19	\$2.81	-4%			
Syria	0.3%	\$8	-11%	-\$6	\$2.41	10%			
Moldova	0.3%	\$8	19%	\$5	\$1.34	3%			
Other	1.9%	\$47	-5%	-\$15	\$1.03	-11%			
TOTAL	100%	\$2,526	10%	\$967	\$4.28	2%			

CHERRIES [HS080920]



QUALITATIVE SCORECARD	SITUATION/STRUCTURE	NATURE OF THE OPPORTUNITY & CHALLENGE FOR NZ				
MARKETS	NEW ZEALAND	LEVERAGEABLE NEW ZEALAND FACTORS	OPPORTUNITIES FOR LINE EXTENSION/NPD			
Large global market Strongly growing demand Wide spread of markets/buyers Asian opportunity Premium for quality/safety Rich countries do it Capital intensive	- Industry is vertically integrated, with most key growers also packing and exporting	 High quality Consistent, trusted supplier of fresh fruit Counter-seasonal production to major Northern Hemisphere suppliers in a narrow seasonal window Limited range of competitors in Southern Hemisphere seasonal window (Chile; Australia) Cool chain management capabilities Orchard management skills and systems Capabilities of Plant & Food (and other government CRI's) to (1) research factors improving the quality of the fruit and (2) develop new, differentiated varieties 	 Gift packs Dried and glace products Premium gift packaging Fruit sauces for yoghurt and desserts Jams & fruit leather/fruit snacks "POM-style" premium non-alcoholic beverages Flavoured liqueurs Premium chocolate ingredient 			
	DRIVER OF CONSUMER/MARKET SUCCESS	CHALLENGES/LIMITATIONS TO GROWTH	SOURCES OF VALUE CREATION			
NEW ZEALAND Large number of NZ firms Required skills for success Leverage country image Able to differentiate Arriving "early to the party" OVERALL	- Rapidly growing demand for counter-seasonal cherries from "Greater China" (Mainland, Hong Kong, Taiwan) - Suits Asian gifting culture, in particular around Chinese New Year	- Weather events can impact harvest - Low scale relative to key global competitors - Increased supply coming from Chile - Chile is improving quality; NZ needs to maintain - Freight availability at peak harvest times - Labour availability at peak harvest times	- Improved direct/online platform sales systems and management - Industry consolidation to increase scale in packhouses and operations - Leverage existing expertise in orchard management skills and systems - Improve cool chain management efficiencies - Target high value markets in Asia - Extend the counter seasonal supply window through variety, technology and/or geography - Clearer product differentiation; NZ cherries not yet achieving NZ apples or NZ kiwifruit levels of product differentiation			

New Zealand has a range of firms succeeding in the category, as these example show



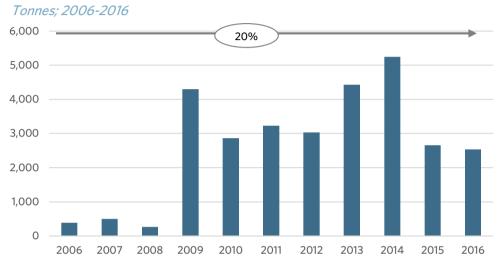




MAIZE SEEDS [HS100510]

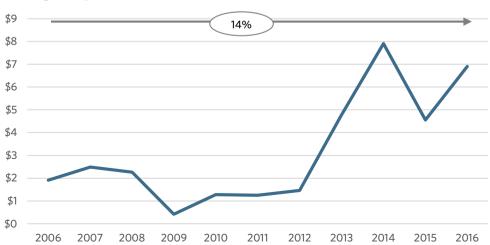
New Zealand has long term growth in maize seed exports

NEW ZEALAND EXPORT VOLUME



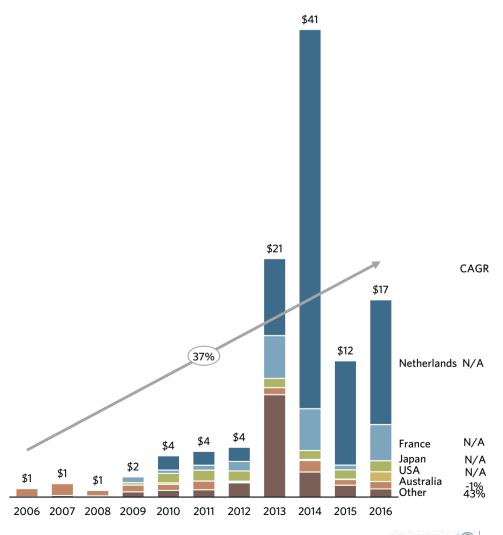
AVERAGE REPORTED NEW ZEALAND EXPORT PRICE

US\$/kg; as reported FOB NZ; 2006-2016



NEW ZEALAND EXPORT VALUE BY KEY MARKETS

US\$m; 2006-2016



QUANTITATIVE SCC	DRECARD				
ACROSS ALL MARKETS					
Import value (US\$m; 16)	\$2,658				
5y CAGR (US\$; 11-16)	-9%				
5y ABS (US\$m; 11-16)	-\$1,585 *Note				
Average \$/kg or I (US\$; 16)	\$0.92				
Top 21 highest imp/cap (US\$; 16)	\$9.39				
Top 21 lowest imp/cap (US\$; 16)	\$0.24				
Top 3 importers share	27%				
Top 10 importers share	58%				
Top 21 w/imports >10% CAGR	3				
Top 3 exporters share	45%				
Top 10 exporters share	79%				
New Zealand share	1.1%				
"Strawman" potential exports upside in next decade					
+\$50-150m					

TOTAL GLOBAL IMPORTS								
	Total	Import	value; CIF r	eceiver	\$/kg		Import per	
Country	import share	US\$m; 16	5y CAGR	5y ABS	US\$; 16	5y CAGR	capita US\$; 16	
Malaysia	10.9%	\$288	-7%	\$(125)	\$0.20	-10%	\$9.39	
Germany	9.3%	\$248	-4%	\$(61)	\$3.59	-4%	\$3.06	
USA	7.3%	\$193	-6%	\$(76)	\$1.22	-19%	\$0.60	
France	7.1%	\$189	4%	\$36	\$4.00	-1%	\$2.82	
Canada	5.1%	\$136	8%	\$42	\$4.19	4%	\$3.81	
Russia	5.0%	\$134	10%	\$52	\$3.80	2%	\$0.91	
Spain	4.6%	\$123	2%	\$14	\$1.37	7%	\$2.64	
Hungary	3.1%	\$83	8%	\$27	\$2.96	-4%	\$8.41	
Italy	3.0%	\$80	-4%	\$(16)	\$0.70	-7%	\$1.32	
Poland	3.0%	\$79	14%	\$37	\$2.17	8%	\$2.06	
Netherlands	2.7%	\$72	-2%	\$(7)	\$3.99	4%	\$4.27	
South Africa	2.3%	\$61	54%	\$54	\$0.24	-44%	\$1.11	
Romania	2.0%	\$53	2%	\$5	\$3.88	17%	\$2.64	
Austria	1.8%	\$49	10%	\$18	\$3.14	0%	\$5.71	
Paraguay	1.8%	\$48	-3%	\$(9)	\$4.52	4%	\$6.89	
Pakistan	1.8%	\$47	6%	\$11	\$0.80	-23%	\$0.24	
Mexico	1.6%	\$43	6%	\$10	\$3.30	2%	\$0.35	
Belarus	1.6%	\$41	7%	\$12	\$1.99	-2%	\$4.35	
Belgium	1.4%	\$38	-5%	\$(11)	\$2.97	-5%	\$3.36	
Vietnam	1.4%	\$37	-3%	\$(5)	\$3.20	N/A	\$0.40	
Czech Republic	1.3%	\$35	0%	\$0	\$3.32	4%	\$3.29	
Other	21.9%	\$581	-23%	\$(1,595)	\$1.58	25%		
TOTAL	100%	\$2,658	-9%	\$(1,585)	\$0.92	6%		

TOTAL GLOBAL EXPORTS									
	Tatal	Export value; CIF receiver			\$/	kg			
Country	export share	US\$m; 16	5y CAGR	5y ABS	US\$; 16	5y CAGR			
France	24.1%	\$640	-1%	-\$30	\$2.51	-1%			
USA	11.2%	\$297	1%	\$13	\$1.31	-1%			
Argentina	9.9%	\$262	-5%	-\$80	\$0.24	-13%			
Brazil	8.1%	\$216	-1%	-\$15	\$0.31	-14%			
Hungary	6.5%	\$174	-5%	-\$50	\$2.37	3%			
Romania	5.7%	\$151	-1%	-\$4	\$1.49	-12%			
Chile	5.1%	\$137	-8%	-\$66	\$5.10	5%			
Austria	3.2%	\$84	-1%	-\$3	\$2.36	16%			
Germany	2.9%	\$76	-4%	-\$16	\$2.75	-7%			
Thailand	2.6%	\$70	-5%	-\$19	\$3.15	1%			
Origin not specified	2.0%	\$54	85%	\$52	\$3.25	-15%			
Serbia	1.6%	\$43	9%	\$15	\$2.32	4%			
Italy	1.5%	\$40	9%	\$14	\$3.65	2%			
Turkey	1.3%	\$34	2%	\$3	\$1.58	-12%			
Canada	1.2%	\$33	-12%	-\$30	\$3.67	1%			
New Zealand	1.1%	\$29	8%	\$9	\$9.37	-4%			
Slovakia	1.0%	\$26	-6%	-\$10	\$2.32	6%			
Mexico	1.0%	\$25	-4%	-\$6	\$5.32	7%			
India	0.9%	\$25	-25%	-\$82	\$0.84	20%			
Netherlands	0.9%	\$25	-16%	-\$37	\$4.67	58%			
Zambia	0.8%	\$21	8%	\$7	\$1.57	11%			
Other	7.3%	\$195	-33%	-\$1,249	\$1.10	23%			
TOTAL	100%	\$2,658	-9%	-\$1,585	\$0.92	6%			

QUALITATIVE SCORE	CARD	SITUATION/STRUCTURE	NATURE OF THE OPPORTU	NITY & CHALLENGE FOR NZ		
MARKETS		NEW ZEALAND	LEVERAGEABLE NEW ZEALAND FACTORS	OPPORTUNITIES FOR LINE EXTENSION/NPD		
Large global market		- Approximately 16,000 ha maize grain grown in New Zealand in 2017	Clean, green, safe image Trusted supplier of quality, consistent product	 Improved nutrient profile products Non-GM traceable product 		
Strongly growing demand		- The majority of maize seed is grown in New Zealand as a high energy animal feed (poultry, pork and ruminants)	- Counter seasonal availability - Rigorous certification processes	- Grown from seed in New Zealand		
Wide spread of markets/buyers		- Growing areas in the North Island (Waikato, Hawkes Bay)	- Seed producing expertise			
Asian opportunity		- New Zealand counter-seasonal growers and seed breeders for European based firms				
Premium for quality/safety						
Rich countries do it						
Capital intensive						
NEW ZEALAND)	DRIVER OF CONSUMER/MARKET SUCCESS	CHALLENGES/LIMITATIONS TO GROWTH	SOURCES OF VALUE CREATION		
Large number of NZ firms		- Counter-seasonal growing/breeding for European based firms	- Climatic conditions impacting growth	- Counter-seasonal promotion		
Required skills for success		- Low disease incidence				
Leverage country image						
Able to differentiate						
Arriving "early to the party"						
OVERALL	0					

CHOCOLATE BARS, BLOCK & ENROBED BARS, UNDER 2KG [HS180631] EXAMPLE FIRMS/PRODUCTS New Zealand has a range of firms succeeding in the category, as these example show







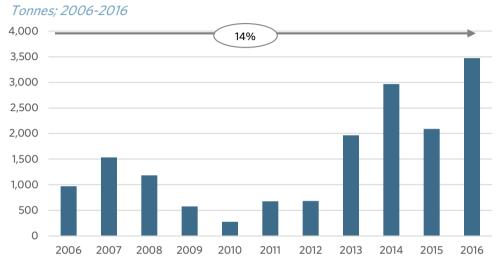




EXPORT PERFORMANCE

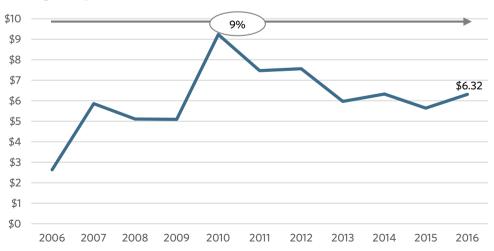
CHOCOLATE BARS, BLOCK & ENROBED BARS, UNDER 2KG [HS180631] New Zealand has growing retail block/enrobed chocolate bar exports

NEW ZEALAND EXPORT VOLUME

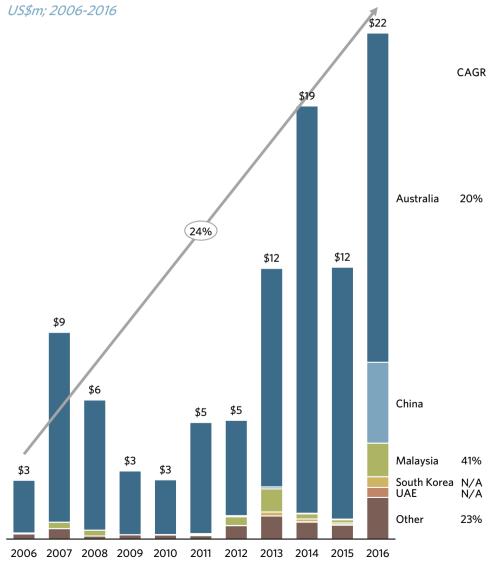


AVERAGE REPORTED NEW ZEALAND EXPORT PRICE

US\$/kg; as reported FOB NZ; 2006-2016



NEW ZEALAND EXPORT VALUE BY KEY MARKETS



CHOCOLATE BARS, BLOCK & ENROBED BARS, UNDER 2KG [HS180631]

QUANTITATIVE SCO	DRECARD				
ACROSS ALL MARKETS					
Import value (US\$m; 16)	\$3,937				
5y CAGR (US\$; 11-16)	2%				
5y ABS (US\$m; 11-16)	+\$330				
Average \$/kg or I (US\$; 16)	\$5.05				
Top 21 highest imp/cap (US\$; 16)	\$16.63				
Top 21 lowest imp/cap (US\$; 16)	\$0.04				
Top 3 importers share	23%				
Top 10 importers share	48%				
Top 21 w/imports >10% CAGR	4				
Top 3 exporters share	44%				
Top 10 exporters share	75%				
New Zealand share	0.6%				
"Strawman" potential exports upside in next decade					
+\$25-100m					

TOTAL GLOBAL IMPORTS								
	Total	Import	value; CIF r	eceiver	\$/kg		Import	
Country	import share	US\$m; 16	5y CAGR	5y ABS	US\$; 16	5y CAGR	per capita US\$; 16	
United Kingdom	7.7%	\$304	-1%	\$(23)	\$3.65	-4%	\$4.71	
Germany	7.5%	\$296	4%	\$52	\$4.03	-1%	\$3.65	
USA	7.4%	\$293	8%	\$98	\$6.72	4%	\$0.91	
France	6.6%	\$258	4%	\$50	\$4.95	-1%	\$3.85	
Poland	4.0%	\$157	11%	\$65	\$4.57	-4%	\$4.08	
Netherlands	3.7%	\$144	4%	\$24	\$4.80	-6%	\$8.50	
Saudi Arabia	3.2%	\$125	13%	\$58	\$7.06	2%	\$3.97	
Hong Kong SAR	2.6%	\$102	19%	\$59	\$9.76	-2%	\$13.99	
Canada	2.5%	\$99	2%	\$11	\$4.76	1%	\$2.76	
Belgium	2.4%	\$95	1%	\$6	\$5.10	2%	\$8.44	
Singapore	2.3%	\$91	0%	\$2	\$10.74	0%	\$16.63	
Italy	2.1%	\$84	-2%	\$(10)	\$5.28	-3%	\$1.38	
Austria	2.0%	\$79	0%	\$(1)	\$4.94	-2%	\$9.17	
Japan	2.0%	\$78	-4%	\$(17)	\$9.41	1%	\$0.61	
UAE	1.9%	\$73	8%	\$23	\$5.85	4%	\$8.00	
Denmark	1.8%	\$70	6%	\$19	\$8.32	6%	\$12.36	
Czech Republic	1.8%	\$70	9%	\$25	\$4.80	1%	\$6.63	
Sweden	1.7%	\$67	4%	\$11	\$4.57	-4%	\$6.82	
Romania	1.7%	\$65	14%	\$32	\$3.77	1%	\$3.27	
South Korea	1.5%	\$61	0%	\$1	\$6.95	-3%	\$1.18	
China	1.5%	\$60	7%	\$18	\$6.06	-2%	\$0.04	
Other	32.2%	\$1,266	-3%	\$(172)	\$4.87	-1%		
TOTAL	100%	\$3,937	2%	\$330	\$5.05	-1%		

TOTAL GLOBAL EXPORTS									
	Total	Export v	alue; CIF	receiver	\$/	kg			
Country	export share	US\$m; 16	5y CAGR	5y ABS	US\$; 16	5y CAGR			
Germany	25.2%	\$993	5%	\$212	\$5.52	-1%			
Netherlands	11.9%	\$468	1%	\$30	\$3.76	-1%			
Poland	6.5%	\$256	2%	\$28	\$3.75	-3%			
USA	6.1%	\$239	0%	\$0	\$5.62	-2%			
Italy	6.0%	\$238	2%	\$18	\$8.21	-2%			
Canada	5.2%	\$205	7%	\$60	\$6.97	5%			
Belgium	4.0%	\$156	-4%	-\$32	\$7.37	-1%			
France	3.4%	\$135	1%	\$9	\$5.17	-4%			
Austria	3.3%	\$129	14%	\$63	\$4.02	-5%			
Switzerland	3.1%	\$124	3%	\$19	\$9.54	-1%			
United Kingdom	2.3%	\$90	2%	\$10	\$5.45	-3%			
Russia	2.2%	\$85	-12%	-\$79	\$3.51	-3%			
Spain	1.8%	\$72	-4%	-\$14	\$3.93	0%			
UAE	1.3%	\$52	-8%	-\$27	\$4.90	-1%			
China	1.1%	\$43	6%	\$11	\$5.12	-3%			
Australia	1.0%	\$40	-4%	-\$9	\$5.72	-2%			
Egypt	0.9%	\$37	3%	\$5	\$5.90	-2%			
Ireland	0.9%	\$36	1%	\$2	\$4.27	-6%			
Sweden	0.9%	\$33	-1%	-\$1	\$6.15	-4%			
Turkey	0.8%	\$33	-2%	-\$4	\$2.61	10%			
Malaysia	0.8%	\$33	2%	\$4	\$5.84	-1%			
Other	11.2%	\$439	1%	\$26	\$4.90	-0%			
TOTAL	100%	\$3,937	2%	\$330	\$5.05	-1%			

CHOCOLATE BARS, BLOCK & ENROBED BARS, UNDER 2KG [HS180631]

QUALITATIVE

QUALITATIVE SCORECARD	SITUATION/STRUCTURE	NATURE OF THE OPPORTUNITY & CHALLENGE FOR NZ			
MARKETS	NEW ZEALAND	LEVERAGEABLE NEW ZEALAND FACTORS	OPPORTUNITIES FOR LINE EXTENSION/NPD		
Large global market Strongly growing demand Wide spread of markets/buyers Asian opportunity Premium for quality/safety Rich countries do it	- Many mid to small-sized chocolate companies - Growth of premium chocolate categories - Diversification of markets away from Australia	 High quality dairy inputs Unique New Zealand ingredients Sustainable/fair-trade 	 Convenient packaging (e.g. single serve, large) Single origin cocoa products; provenance emphasis Liquor filled, New Zealand flavours Specific holiday themed products Market targeted gift packaging Design your own bar/personalised Chain of retail outlets (e.g. Koko Black in Australia) Chain of hospitality outlets (e.g. Butlers Chocolate Cafes) 		
Capital intensive NEW ZEALAND	DRIVER OF CONSUMER/MARKET SUCCESS	CHALLENGES/LIMITATIONS TO GROWTH	SOURCES OF VALUE CREATION		
Required skills for success Leverage country image Able to differentiate Arriving "early to the party" OVERALL	- Gift giving - Indulgent versatile treat - Dessert accompaniment or substitute - Extremely versatile luxury gift; every occasion for everyone - Indulgence trend - Associated with popular holidays (Valentine's Day, Easter, Christmas, Chinese New Year)	- Competing in luxury market with traditional European countries renowned for chocolate making - Lack of global scale (e.g. relative to Lindt)	- Consolidate industry - Scale up raw bean primary processing		

OTHER FLAVOURED BEVERAGES [HS220290]

EXAMPLE FIRMS/PRODUCTS

New Zealand has a range of firms succeeding in the category, as these example show

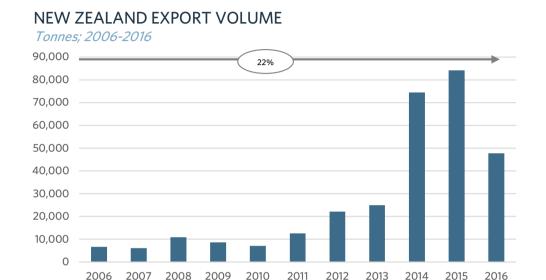




EXPORT PERFORMANCE

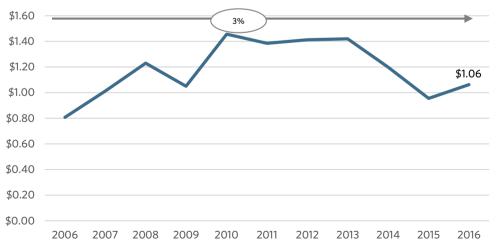
OTHER FLAVOURED BEVERAGES [HS220290]

New Zealand has shown long term growth in other flavoured beverages exports

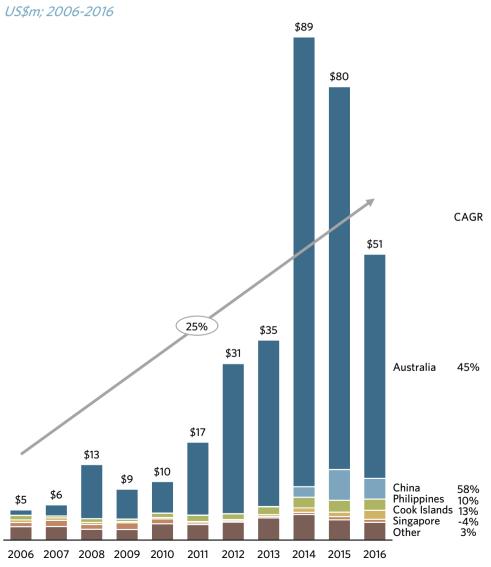


AVERAGE REPORTED NEW ZEALAND EXPORT PRICE

US\$/I; as reported FOB NZ; 2006-2016



NEW ZEALAND EXPORT VALUE BY KEY MARKETS



OTHER FLAVOURED BEVERAGES [HS220290]

QUANTITATIVE SCO	DRECARD				
ACROSS ALL MARKETS					
Import value (US\$m; 16)	\$7,691				
5y CAGR (US\$; 11-16)	1%				
5y ABS (US\$m; 11-16)	+\$468				
Average \$/kg or I (US\$; 16)	\$1.03				
Top 21 highest imp/cap (US\$; 16)	\$31.09				
Top 21 lowest imp/cap (US\$; 16)	\$0.10				
Top 3 importers share	27%				
Top 10 importers share	51%				
Top 21 w/imports >10% CAGR	6				
Top 3 exporters share	32%				
Top 10 exporters share	63%				
New Zealand share	0.7%				
"Strawman" potential exports upside in next decade					
+\$50-150m					

TOTAL GLOBAL IMPORTS									
	Total	Import	value; CIF r	eceiver	\$	Import per			
Country	import share	US\$m; 16	5y CAGR	5y ABS	US\$; 16	5y CAGR	capita US\$; 16		
USA	11.2%	\$860	18%	\$488	\$1.12	1%	\$2.67		
United Kingdom	8.4%	\$650	-7%	\$(288)	\$1.41	-17%	\$10.06		
Canada	7.3%	\$558	10%	\$216	\$1.45	3%	\$15.60		
Germany	5.8%	\$444	0%	\$(4)	\$1.04	0%	\$5.48		
China	4.1%	\$312	40%	\$254	\$1.25	11%	\$0.23		
France	3.7%	\$285	-3%	\$(40)	\$1.20	2%	\$4.25		
Spain	3.0%	\$232	-3%	\$(37)	\$1.36	-3%	\$4.98		
Hong Kong SAR	2.9%	\$227	8%	\$71	\$1.03	4%	\$31.09		
Netherlands	2.7%	\$206	-8%	\$(109)	\$0.82	-4%	\$12.19		
Japan	2.4%	\$186	4%	\$36	\$2.71	5%	\$1.47		
Italy	2.4%	\$186	-4%	\$(42)	\$0.85	-4%	\$3.05		
Belgium	1.9%	\$150	1%	\$8	\$1.75	10%	\$13.33		
Mexico	1.9%	\$148	2%	\$17	\$1.09	0%	\$1.22		
Switzerland	1.8%	\$140	1%	\$7	\$1.01	-3%	\$16.91		
Singapore	1.8%	\$139	1%	\$8	\$0.66	-6%	\$25.46		
Laos	1.8%	\$136	46%	\$116	\$1.06	0%	N/A		
Saudi Arabia	1.7%	\$132	-4%	\$(26)	\$1.37	2%	\$4.20		
India	1.7%	\$131	24%	\$87	\$1.06	13%	\$0.10		
Sweden	1.4%	\$109	4%	\$19	\$1.97	5%	\$11.16		
Jordan	1.4%	\$105	11%	\$44	\$0.75	0%	\$13.80		
Austria	1.3%	\$100	1%	\$6	\$1.23	0%	\$11.61		
Other	29.3%	\$2,257	-3%	\$(362)	\$0.79	-2%			
TOTAL	100%	\$7,691	1%	\$468	\$1.03	-1%			

TOTAL GLOBAL EXPORTS									
	Total	Export v	alue; CIF	receiver	\$,	/I			
Country	Total export share	US\$m; 16	5y CAGR	5y ABS	US\$; 16	5y CAGR			
USA	12.0%	\$926	7%	\$273	\$1.57	1%			
Netherlands	10.1%	\$778	-0%	-\$4	\$2.14	-1%			
Thailand	9.3%	\$719	22%	\$452	\$1.14	1%			
Germany	9.2%	\$705	-4%	-\$180	\$1.18	-1%			
Austria	6.3%	\$486	-16%	-\$646	\$0.99	-8%			
Belgium	3.9%	\$304	-1%	-\$20	\$0.89	-4%			
South Korea	3.5%	\$270	17%	\$145	\$0.95	2%			
France	3.1%	\$237	1%	\$15	\$1.05	-3%			
Switzerland	2.8%	\$218	-0%	-\$0	\$2.16	4%			
Malaysia	2.3%	\$178	9%	\$62	\$0.63	-6%			
Taiwan	2.2%	\$166	12%	\$71	\$1.03	7%			
Saudi Arabia	2.1%	\$162	10%	\$62	\$0.83	1%			
China	2.0%	\$153	3%	\$21	\$0.79	1%			
Italy	2.0%	\$152	11%	\$62	\$0.90	-2%			
Philippines	2.0%	\$152	64%	\$139	\$0.96	-5%			
Denmark	1.9%	\$149	11%	\$59	\$2.08	-4%			
Poland	1.7%	\$131	3%	\$19	\$0.46	-4%			
Mexico	1.5%	\$116	5%	\$26	\$0.91	2%			
Spain	1.5%	\$113	-7%	-\$50	\$0.74	0%			
Nepal	1.2%	\$96	27%	\$67	\$1.27	23%			
Ireland	1.2%	\$93	18%	\$52	\$1.05	-5%			
Other	18.0%	\$1,388	-2%	-\$157	\$0.73	-1%			
TOTAL	100%	\$7,691	1%	\$468	\$1.03	-1%			

QUALITATIVE

QUALITATIVE SCORECARD	SITUATION/STRUCTURE	NATURE OF THE OPPORTUNITY & CHALLENGE FOR NZ					
MARKETS	NEW ZEALAND	LEVERAGEABLE NEW ZEALAND FACTORS	OPPORTUNITIES FOR LINE EXTENSION/NPD				
Large global market Strongly growing demand Wide spread of markets/buyers Asian opportunity Premium for quality/safety Rich countries do it Capital intensive	 Only includes carbonated beverages (not beverages with over 50% non-water content (e.g. 50% + juice, milk, soy) Very competitive market Hundreds of companies manufacturing a broad range of beverages New Zealand firms export primarily to Australia (success of Frucor's "V" and Phoenix range) 	 Unique New Zealand flavours Proved success in category Marketing the pure waters of New Zealand Leverage reputation and presence in other food, & beverage categories (e.g. kiwifruit, honey) 	 Beverages with functional health properties (e.g. honey based drinks) Boutique "crafted" beverages using premium or unique ingredients High end cocktail/bartender targeted products Uniquely NZ flavours with functional health benefits (kawakawa, horopito) 				
NEW ZEALAND	DRIVER OF CONSUMER/MARKET SUCCESS	CHALLENGES/LIMITATIONS TO GROWTH	SOURCES OF VALUE CREATION				
Large number of NZ firms Required skills for success Leverage country image Able to differentiate Arriving "early to the party" OVERALL	 Consumption of traditional soft drinks declining, however energy drinks, functional drinks and sports drinks increasing Changing popular concern around sugar and carbohydrate consumption Convenience products popular Café's, casual-dining looking for the "new thing" Consumers attracted to branding and price 	 Heavy product for shipping Achieving broad distribution Highly competitive category - advantage of larger firms with trucks on the road 	- Discovering the next "Kombucha" - Achieving volume to achieve efficient distribution models - Look towards high value, high growth markets (e.g. Canada, China, Japan)				

DOG/CAT FOOD, RETAIL READY [HS230910]

EXAMPLE FIRMS/PRODUCTS

New Zealand has a range of firms succeeding in the category, as these example show

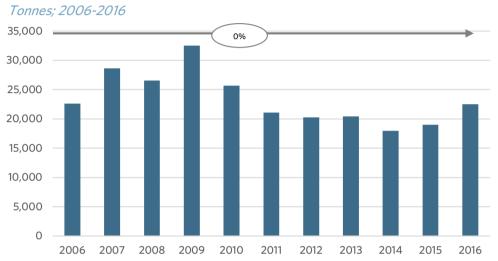




EXPORT PERFORMANCE

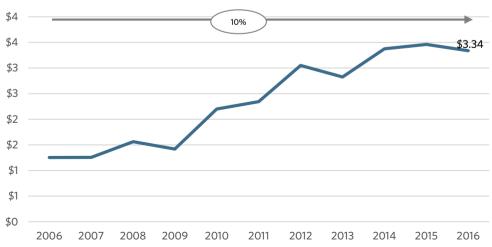
DOG/CAT FOOD, RETAIL READY [HS230910] New Zealand has growing retail dog/cat food export value

NEW ZEALAND EXPORT VOLUME

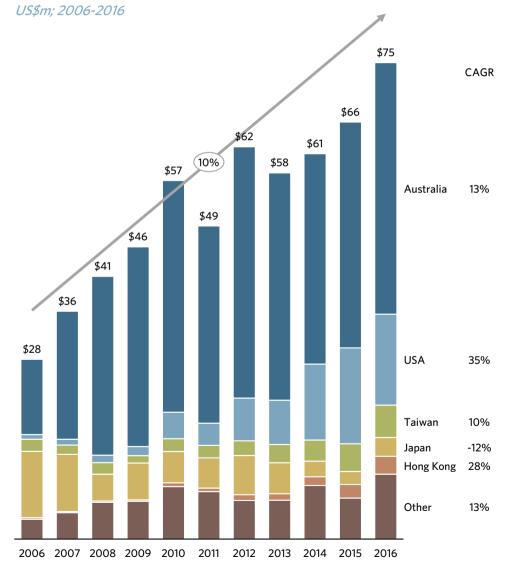


AVERAGE REPORTED NEW ZEALAND EXPORT PRICE

US\$/kg; as reported FOB NZ; 2006-2016



NEW ZEALAND EXPORT VALUE BY KEY MARKETS



DOG/CAT FOOD, RETAIL READY [HS230910]

QUANTITATIVE SCO	DRECARD				
ACROSS ALL MARKETS					
Import value (US\$m; 16)	\$10,762				
5y CAGR (US\$; 11-16)	2%				
5y ABS (US\$m; 11-16)	+\$1,143				
Average \$/kg or I (US\$; 16)	\$1.58				
Top 21 highest imp/cap (US\$; 16)	\$46.20				
Top 21 lowest imp/cap (US\$; 16)	\$1.36				
Top 3 importers share	24%				
Top 10 importers share	59%				
Top 21 w/imports >10% CAGR	2				
Top 3 exporters share	34%				
Top 10 exporters share	73%				
New Zealand share	0.7%				
"Strawman" potential exports upside in next decade					
+\$50-150m					

TOTAL GLOBAL IMPORTS								
	Total	Import	value; CIF r	; CIF receiver \$/kg In		Import per		
Country	import share	US\$m; 16	5y CAGR	5y ABS	US\$; 16	5y CAGR	capita US\$; 16	
Germany	9.9%	\$1,070	3%	\$164	\$1.68	0%	\$13.19	
USA	7.2%	\$780	4%	\$139	\$3.71	-1%	\$2.42	
United Kingdom	6.9%	\$740	-1%	\$(25)	\$1.73	-2%	\$11.46	
France	6.0%	\$650	6%	\$156	\$1.82	1%	\$9.69	
Japan	6.0%	\$641	-6%	\$(210)	\$2.59	0%	\$5.05	
Canada	5.8%	\$625	3%	\$88	\$2.46	3%	\$17.48	
Italy	5.2%	\$561	-1%	\$(42)	\$1.64	-3%	\$9.23	
Belgium	4.8%	\$520	1%	\$36	\$1.34	-2%	\$46.20	
Netherlands	4.2%	\$456	7%	\$125	\$1.93	2%	\$26.93	
Austria	3.3%	\$355	12%	\$156	\$1.54	-2%	\$41.22	
Spain	2.7%	\$292	3%	\$44	\$1.36	-5%	\$6.28	
Australia	2.2%	\$232	4%	\$44	\$2.11	-2%	\$9.70	
Russia	1.9%	\$199	1%	\$10	\$2.02	-3%	\$1.36	
Poland	1.8%	\$196	4%	\$35	\$1.08	-1%	\$5.10	
Czech Republic	1.6%	\$175	3%	\$22	\$1.31	-2%	\$16.61	
South Korea	1.6%	\$171	11%	\$70	\$3.21	3%	\$3.33	
Sweden	1.6%	\$169	0%	\$3	\$1.59	-2%	\$17.21	
Denmark	1.5%	\$160	2%	\$13	\$1.71	-2%	\$28.19	
Switzerland	1.5%	\$159	-3%	\$(24)	\$2.02	-3%	\$19.23	
Portugal	1.4%	\$152	0%	\$(1)	\$0.94	-1%	\$14.67	
Taiwan	1.3%	\$141	7%	\$41	\$2.19	2%	\$6.02	
Other	21.6%	\$2,320	3%	\$299	\$1.07	-6%		
TOTAL	100%	\$10,762	2%	\$1,143	\$1.58	-3%		

TOTAL GLOBAL EXPORTS									
	Total	Export v	alue; CIF	receiver	\$/	kg			
Country	export share	US\$m; 16	5y CAGR	5y ABS	US\$; 16	5y CAGR			
USA	11.9%	\$1,281	1%	\$85	\$2.21	3%			
Germany	11.1%	\$1,199	4%	\$225	\$1.00	-12%			
France	10.8%	\$1,157	-5%	-\$304	\$1.49	-2%			
Thailand	9.8%	\$1,058	7%	\$314	\$2.36	-2%			
Netherlands	9.5%	\$1,022	2%	\$85	\$1.46	-2%			
Canada	4.3%	\$463	10%	\$177	\$2.54	2%			
China	4.3%	\$459	-4%	-\$110	\$5.64	-2%			
Poland	4.2%	\$452	10%	\$178	\$1.44	1%			
United Kingdom	3.6%	\$387	7%	\$105	\$1.79	1%			
Hungary	3.5%	\$372	-0%	-\$6	\$0.96	-5%			
Czech Republic	2.5%	\$270	13%	\$125	\$1.34	0%			
Switzerland	2.5%	\$266	6%	\$69	\$1.68	-6%			
Belgium	2.4%	\$258	-2%	-\$32	\$1.72	-5%			
Italy	2.3%	\$248	2%	\$20	\$1.25	-2%			
Austria	2.2%	\$240	7%	\$69	\$1.93	-3%			
Ireland	2.1%	\$224	9%	\$76	\$1.33	-6%			
Spain	2.0%	\$219	2%	\$22	\$1.01	1%			
Denmark	1.3%	\$141	-7%	-\$66	\$1.46	-5%			
Australia	1.2%	\$132	-10%	-\$97	\$1.85	-0%			
Argentina	1.1%	\$117	1%	\$3	\$1.20	3%			
Taiwan	0.9%	\$97	N/A	\$97	\$3.99	N/A			
Other	6.5%	\$699	4%	\$111	\$1.74	2%			
TOTAL	100%	\$10,762	2%	\$1,143	\$1.58	-3%			

QUALITATIVE SCORECARD	SITUATION/STRUCTURE	NATURE OF THE OPPORTUNITY & CHALLENGE FOR NZ			
MARKETS	NEW ZEALAND	LEVERAGEABLE NEW ZEALAND FACTORS	OPPORTUNITIES FOR LINE EXTENSION/NPD		
Large global market Strongly growing demand Wide spread of markets/buyers Asian opportunity Premium for quality/safety Rich countries do it	 New Zealand is a supplier of ingredients for global petfood companies (Meal and Deboned meat) plus retail ready dog and cat food Global (e.g. Mars, Nestle, Heinz) and local firms (e.g. ZiwiPeak, K9 Natural, Jimbos) manufacturing petfood in NZ Australia and the USA are the leading markets for NZ cat and dog food 	 Comparative advantage in protein farming and manufacturing (e.g. seafood, cattle, sheep, deer) Natural positioning (grass-fed) Leverage unique ingredients to differentiate products (e.g. sheep, deer) 	 Targeted health benefits Targeted species Track and trace marketing Premium ingredients and positioning (e.g. K9Natural Beef and Hoki feast) 		
Capital intensive NEW ZEALAND	DRIVER OF CONSUMER/MARKET SUCCESS	CHALLENGES/LIMITATIONS TO GROWTH	SOURCES OF VALUE CREATION		
Large number of NZ firms	- In many cultures pets are seen as "children" - high discretional spend on pets	New markets for offal and offcuts results in increased supply competition	- Focus on high value importers: USA, Japan, Canada, South Korea		
Required skills for success	- Growth in premium petfood space	 Increased sophistication in meat processing plants results in less waste/offcuts for petfood industry 	Focus on unique ingredients (e.g. greenlipped mussel, king salmon, manuka honey, flax seed		
Leverage country image			Packaging innovation Develop science behind key ingredients		
Able to differentiate					
Arriving "early to the party"					
OVERALL					

SALMON, CHILLED WHOLE, ATLANTIC & PACIFIC [HS030212]

EXAMPLE FIRMS/PRODUCTS

New Zealand has a range of firms succeeding in the category, as these example show





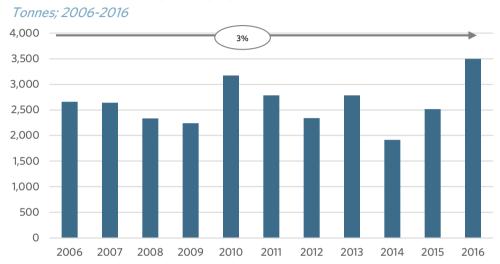




EXPORT PERFORMANCE

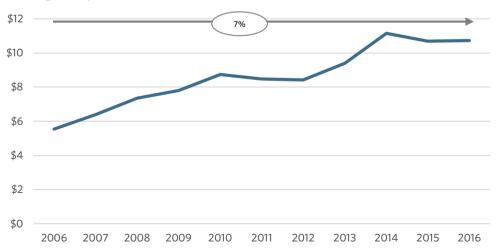
SALMON, CHILLED WHOLE, ATLANTIC & PACIFIC [HS030212] New Zealand has growing whole salmon exports

NEW ZEALAND EXPORT VOLUME



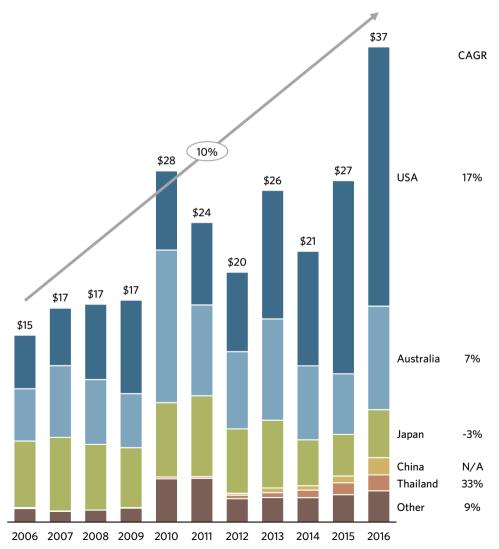
AVERAGE REPORTED NEW ZEALAND EXPORT PRICE

US\$/kg; as reported FOB NZ; 2006-2016



NEW ZEALAND EXPORT VALUE BY KEY MARKETS

US\$m; 2006-2016



SALMON, CHILLED WHOLE, ATLANTIC & PACIFIC [HS030212]

QUANTITATIVE SCO	DRECARD				
ACROSS ALL MARKETS					
Import value (US\$m; 16)	\$11,042				
5y CAGR (US\$; 11-16)	9%				
5y ABS (US\$m; 11-16)	+\$3,883				
Average \$/kg or I (US\$; 16)	\$7.48				
Top 21 highest imp/cap (US\$; 16)	\$335.93				
Top 21 lowest imp/cap (US\$; 16)	\$0.24				
Top 3 importers share	47%				
Top 10 importers share	77%				
Top 21 w/imports >10% CAGR	11				
Top 3 exporters share	76%				
Top 10 exporters share	97%				
New Zealand share	0.3%				
"Strawman" potential exports upside in next decade					
+\$150m					

TOTAL GLOBAL IMPORTS							
	Total	Import value; CIF receiver			\$/kg		Import per
Country	import share	US\$m; 16	5y CAGR	5y ABS	US\$; 16	5y CAGR	capita US\$; 16
Sweden*	29.8%	\$3,293	12%	\$1,456	\$7.08	4%	\$335.93
USA	9.0%	\$993	9%	\$349	\$8.52	4%	\$3.09
Poland	8.3%	\$919	12%	\$395	\$7.06	3%	\$23.89
France	8.0%	\$879	4%	\$171	\$7.60	3%	\$13.10
Denmark	4.2%	\$468	9%	\$168	\$7.22	5%	\$82.36
Brazil	4.0%	\$438	16%	\$231	\$6.64	2%	\$2.14
Germany	3.9%	\$430	6%	\$110	\$7.18	3%	\$5.30
United Kingdom	3.9%	\$426	13%	\$200	\$7.75	4%	\$6.60
Spain	3.0%	\$332	8%	\$111	\$7.73	4%	\$7.15
China	3.0%	\$330	30%	\$239	\$9.93	4%	\$0.24
Italy	2.9%	\$324	16%	\$169	\$8.37	6%	\$5.33
Lithuania	2.5%	\$275	16%	\$146	\$7.05	3%	\$94.70
Japan	1.8%	\$201	-1%	\$(5)	\$9.52	1%	\$1.59
Finland	1.3%	\$149	-1%	\$(7)	\$5.05	-2%	\$27.15
Hong Kong SAR	1.3%	\$140	6%	\$36	\$9.10	4%	\$19.12
Russia	1.3%	\$139	-24%	\$(415)	\$8.30	8%	\$0.95
South Korea	1.3%	\$138	41%	\$114	\$10.80	4%	\$2.69
Canada	1.0%	\$113	14%	\$53	\$7.40	3%	\$3.16
Netherlands	1.0%	\$106	12%	\$47	\$5.00	-5%	\$6.26
Taiwan	1.0%	\$106	10%	\$40	\$8.89	4%	\$4.50
Israel	0.6%	\$70	17%	\$39	\$9.49	3%	\$8.28
Other	7.0%	\$775	8%	\$237	\$7.82	3%	
TOTAL	100%	\$11,042	9%	\$3,883	\$7.48	4%	

TOTAL GLOBAL EXPORTS						
	Total	Export value; CIF receiver			\$/	kg
Country	export share	US\$m; 16	5y CAGR	5y ABS	US\$; 16	5y CAGR
Norway	60.5%	\$6,676	7%	\$1,947	\$7.30	4%
Sweden	9.0%	\$997	16%	\$517	\$7.24	4%
Canada	6.4%	\$707	9%	\$239	\$7.66	4%
Chile	6.1%	\$671	21%	\$416	\$7.36	3%
Faroe Islands	5.5%	\$607	15%	\$305	\$9.24	6%
United Kingdom	3.9%	\$436	4%	\$70	\$8.05	2%
Denmark	3.6%	\$399	17%	\$213	\$7.29	2%
USA	0.9%	\$99	13%	\$46	\$7.17	3%
Germany	0.8%	\$83	12%	\$36	\$8.92	6%
Ireland	0.5%	\$54	-2%	-\$5	\$8.65	0%
France	0.4%	\$49	16%	\$26	\$7.07	1%
Netherlands	0.4%	\$40	4%	\$7	\$8.69	3%
New Zealand	0.3%	\$35	6%	\$9	\$12.96	2%
Iceland	0.3%	\$33	174%	\$33	\$7.85	1%
Czech Republic	0.3%	\$32	58%	\$29	\$8.13	5%
Australia	0.2%	\$25	-9%	-\$16	\$8.91	1%
Italy	0.2%	\$22	6%	\$5	\$7.54	4%
Poland	0.1%	\$16	13%	\$7	\$11.58	8%
Belgium	0.1%	\$11	18%	\$6	\$6.87	3%
Latvia	0.1%	\$9	-20%	-\$19	\$8.74	7%
Spain	0.1%	\$8	-7%	-\$4	\$8.94	6%
Other	0.3%	\$31	16%	\$17	\$7.60	3%
TOTAL	100%	\$11,042	9%	\$3,883	\$7.48	4%

SALMON, CHILLED WHOLE, ATLANTIC & PACIFIC [HS030212]

QUALITATIVE

QUALITATIVE SCORECARD	SITUATION/STRUCTURE	NATURE OF THE OPPORTUNITY & CHALLENGE FOR NZ				
MARKETS Large global market	New Zealand companies farm Pacific salmon/King Salmon at key locations throughout NZ NZKS is NZ's largest exporter of salmon (plans to	- NZ suppliers of high quality fresh farmed salmon - NZ good reputation for fresh, premium, high	OPPORTUNITIES FOR LINE EXTENSION/NPD Value-added (e.g. smoked) Premium for fresh and large – innovation required in peak agriculture and proposition to a proposition and proposition to a proposition and proposition to a proposition and propo			
Strongly growing demand Wide spread of markets/buyers Asian opportunity Premium for quality/safety Rich countries do it	 NZK3 is NZ's largest exporter of samon (plans to significantly extend production), followed by Sanford New Zealand share of total fresh salmon, both world market and in Asia is less than 1% New Zealand achieves a price premium in the market 	 NZ good reputation for fresh, premium, high quality products NZ can leverage its FTA with Asian countries NZ salmon receives a premium over other key exporters (due to it being a different species that is difficult to farm) 	in packaging and processing to ensure product reaches market in fresh and premium condition			
Capital intensive NEW ZEALAND	DRIVER OF CONSUMER/MARKET SUCCESS	CHALLENGES/LIMITATIONS TO GROWTH	SOURCES OF VALUE CREATION			
Large number of NZ firms Required skills for success	 Flexible usage across a range of cuisines Seafood part of a healthy diet High demand for chilled salmon in high end restaurants 	 Pacific Salmon not as productive as Atlantic salmon (Norway, Chile, Sweden etc.) Emergence of new farming areas in Russia, Northern China and Northern Korea Environmental and social pushback at aquaculture 	- Increasing sea space for aquaculture			
Leverage country image Able to differentiate Arriving "early to the party"	- Increasing popularity of Japanese cuisine	locations				
OVERALL						

New Zealand has a range of firms succeeding in the category, as these example show





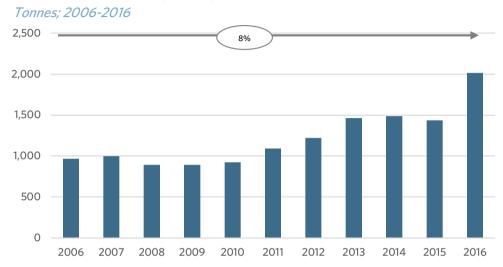




EXPORT PERFORMANCE

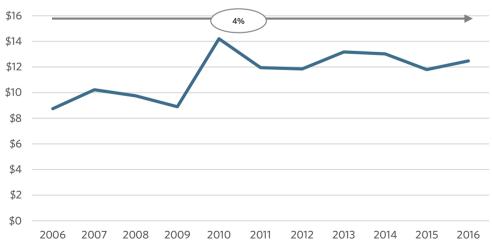
BLUEBERRIES, FRESH [HS081040] New Zealand has growing fresh blueberries exports

NEW ZEALAND EXPORT VOLUME



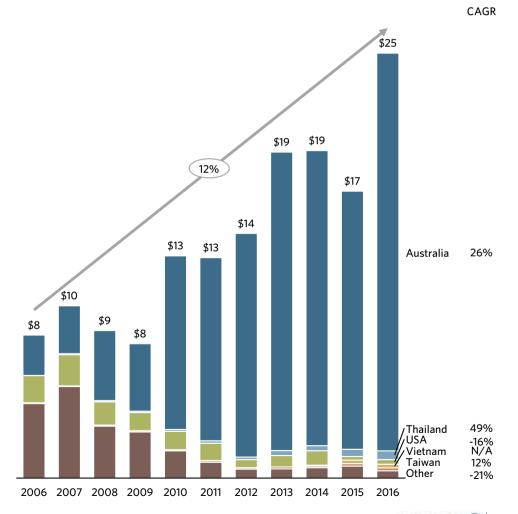
AVERAGE REPORTED NEW ZEALAND EXPORT PRICE

US\$/kg; as reported FOB NZ; 2006-2016



NEW ZEALAND EXPORT VALUE BY KEY MARKETS

US\$m; 2006-2016



QUANTITATIVE SCORECARD					
ACROSS ALL MARKETS					
Import value (US\$m; 16)	\$2,448				
5y CAGR (US\$; 11-16)	15%				
5y ABS (US\$m; 11-16)	+\$1,254				
Average \$/kg or I (US\$; 16)	\$5.71				
Top 21 highest imp/cap (US\$; 16)	\$9.74				
Top 21 lowest imp/cap (US\$; 16)	\$0.06				
Top 3 importers share	62%				
Top 10 importers share	86%				
Top 21 w/imports >10% CAGR	16				
Top 3 exporters share	54%				
Top 10 exporters share	91%				
New Zealand share	1.0%				
"Strawman" potential exports upside in next decade					
+\$50-150m					

TOTAL GLOBAL IMPORTS							
	Total	Import value; CIF receiver			\$/kg		Import
Country	import share	US\$m; 16	5y CAGR	5y ABS	US\$; 16	5y CAGR	per capita US\$; 16
USA	40.1%	\$983	14%	\$481	\$4.64	3%	\$3.05
United Kingdom	13.8%	\$339	16%	\$174	\$7.88	-1%	\$5.24
Canada	7.8%	\$190	0%	\$4	\$4.24	3%	\$5.32
Netherlands	6.7%	\$165	18%	\$93	\$7.42	13%	\$9.74
Germany	6.0%	\$148	23%	\$95	\$7.87	1%	\$1.82
China	3.2%	\$79	205%	\$78	\$8.99	91%	\$0.06
Spain	2.5%	\$61	51%	\$53	\$6.65	-1%	\$1.32
Hong Kong SAR	2.0%	\$50	26%	\$34	\$6.88	0%	\$6.82
Switzerland	1.9%	\$47	32%	\$35	\$10.15	-1%	\$5.74
Norway	1.8%	\$45	24%	\$30	\$10.71	-3%	\$8.64
France	1.7%	\$41	14%	\$20	\$5.68	-4%	\$0.60
Belgium	1.6%	\$40	20%	\$24	\$8.90	3%	\$3.56
Italy	1.1%	\$27	8%	\$8	\$6.66	-4%	\$0.44
Japan	1.0%	\$24	1%	\$1	\$12.72	0%	\$0.19
Australia	0.9%	\$22	35%	\$17	\$11.02	-2%	\$0.94
Denmark	0.9%	\$21	9%	\$7	\$8.86	5%	\$3.72
Poland	0.8%	\$19	20%	\$12	\$4.33	-1%	\$0.50
South Korea	0.8%	\$19	553%	\$19	\$9.77	-31%	\$0.37
Singapore	0.7%	\$16	22%	\$10	\$10.06	-2%	\$2.96
Austria	0.6%	\$14	11%	\$6	\$3.56	2%	\$1.68
Sweden	0.6%	\$14	9%	\$5	\$4.66	-8%	\$1.45
Other	3.4%	\$84	17%	\$46	\$4.96	-5%	
TOTAL	100%	\$2,448	15%	\$1,254	\$5.71	4%	

TOTAL GLOBAL EXPORTS						
	Total	Export v	alue; CIF	\$/	kg	
Country	export share	US\$m; 16	5y CAGR	5y ABS	US\$; 16	5y CAGR
Chile	31.1%	\$762	13%	\$343	\$6.38	4%
Spain	11.7%	\$287	23%	\$184	\$7.87	1%
Peru	10.9%	\$267	263%	\$267	\$9.91	22%
Argentina	7.4%	\$181	2%	\$20	\$10.14	3%
Mexico	7.0%	\$172	71%	\$160	\$9.72	11%
Canada	6.9%	\$168	4%	\$31	\$1.67	-7%
USA	5.8%	\$142	1%	\$8	\$3.71	2%
Morocco	3.9%	\$97	41%	\$79	\$7.14	-3%
Netherlands	3.7%	\$90	12%	\$39	\$8.49	-2%
Poland	2.7%	\$66	20%	\$40	\$6.07	-2%
Germany	1.7%	\$41	18%	\$23	\$7.20	32%
South Africa	1.5%	\$38	34%	\$29	\$10.76	4%
New Zealand	1.0%	\$24	26%	\$16	\$11.18	-2%
Uruguay	0.8%	\$19	-4%	-\$5	\$9.41	4%
Italy	0.6%	\$14	13%	\$6	\$8.15	-1%
France	0.5%	\$13	-1%	-\$1	\$8.44	1%
Belgium	0.5%	\$13	1%	\$1	\$8.56	7%
Portugal	0.4%	\$10	34%	\$8	\$6.53	-3%
Australia	0.2%	\$5	12%	\$2	\$12.75	-5%
Ukraine	0.2%	\$5	13%	\$2	\$1.83	-14%
Finland	0.2%	\$5	25%	\$3	\$1.58	-17%
Other	1.2%	\$29	-2%	-\$3	\$2.68	-9%
TOTAL	100%	\$2,448	15%	\$1,254	\$5.71	4%

QUALITATIVE SCORECA	O SITUATION/STRUCTURE	NATURE OF THE OPPORTUNITY & CHALLENGE FOR NZ			
MARKETS	NEW ZEALAND	LEVERAGEABLE NEW ZEALAND FACTORS	OPPORTUNITIES FOR LINE EXTENSION/NPD		
Large global market Strongly growing demand Wide spread of markets/buyers Asian opportunity Premium for quality/safety Rich countries do it Capital intensive	- Growing production - Suited to many parts of New Zealand - Over-reliance on Australia as key export market	 Clean, green image Counter seasonal Fresh; close proximity to market Consistent, trusted supplier of quality fruit 	 Gift packaging Innovative packaging to extend shelf life and ensure freshness Jams and fruit leathers Fruit sauces and flavourings for yoghurt, ice cream Flavouring for beverages and confectionary Freeze dried product Nutraceutical products (high in antioxidants) 		
NEW ZEALAND	DRIVER OF CONSUMER/MARKET SUCCESS	CHALLENGES/LIMITATIONS TO GROWTH	SOURCES OF VALUE CREATION		
Large number of NZ firms Required skills for success Leverage country image Able to differentiate Arriving "early to the party"	- Luxury berry - Seasonal - Gift giving - Healthy, "superfood" - Convenient snack or dessert	- Low scale in New Zealand - High labour costs - Requirement for peaty soils limit sites	 Improve cold chain efficiencies and technology Extend the counter seasonal supply window through variety, technology and/or geography Consolidate industry to achieve scale Invest in new IP controlled varieties being developed in New Zealand by Plant & Food Research 		
OVERALL					

BREAKFAST CEREAL & MUESLI BARS, MIXED PUFFED/ROASTED [HS190410] New Zealand has a range of firms succeeding in the category, as these example show





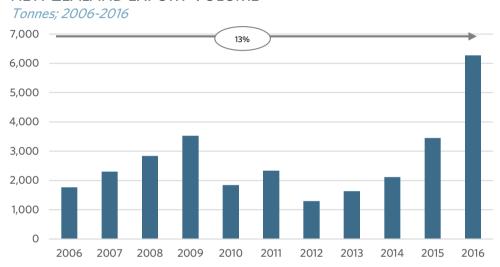




BREAKFAST CEREAL & MUESLI BARS, MIXED PUFFED/ROASTED [HS190410] New Zealand has growing muesli bar & breakfast cereal exports

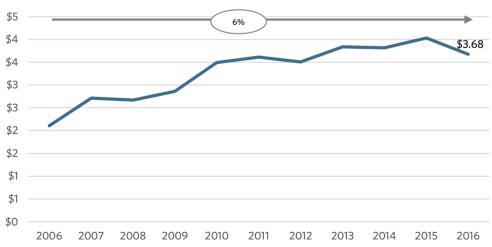
EXPORT PERFORMANCE

NEW ZEALAND EXPORT VOLUME



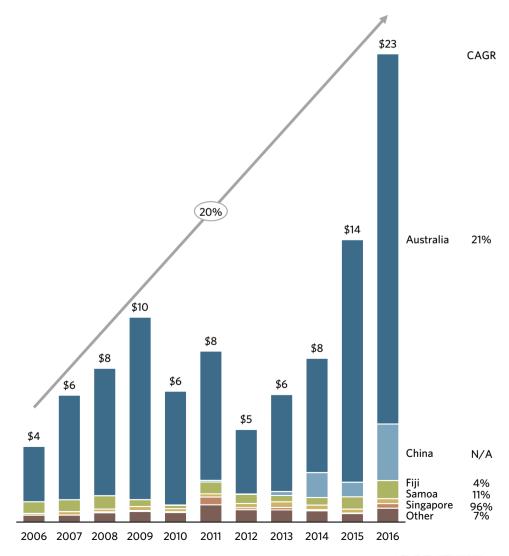
AVERAGE REPORTED NEW ZEALAND EXPORT PRICE

US\$/kg; as reported FOB NZ; 2006-2016



NEW ZEALAND EXPORT VALUE BY KEY MARKETS

US\$m; 2006-2016



BREAKFAST CEREAL & MUESLI BARS, MIXED PUFFED/ROASTED [HS190410]

QUANTITATIVE

QUANTITATIVE SCORECARD						
ACROSS ALL MARKETS						
Import value (US\$m; 16)	\$3,825					
5y CAGR (US\$; 11-16)	-1%					
5y ABS (US\$m; 11-16)	-\$169					
Average \$/kg or I (US\$; 16)	\$2.63					
Top 21 highest imp/cap (US\$; 16)	\$27.83					
Top 21 lowest imp/cap (US\$; 16)	\$0.10					
Top 3 importers share	28%					
Top 10 importers share	58%					
Top 21 w/imports >10% CAGR	4					
Top 3 exporters share	37%					
Top 10 exporters share	77%					
New Zealand share 0.6%						
"Strawman" potential exports upside in next decade						
+\$50-150m						

	TOTAL GLOBAL IMPORTS							
	Total	Import	value; CIF r	eceiver	\$,	/kg	Import	
Country	import share	US\$m; 16	5y CAGR	5y ABS	US\$; 16	5y CAGR	per capita US\$; 16	
Canada	10.7%	\$409	8%	\$127	\$1.80	-6%	\$11.43	
France	8.5%	\$324	5%	\$66	\$3.47	3%	\$4.83	
USA	8.4%	\$320	-4%	\$(74)	\$2.69	-1%	\$1.00	
United Kingdom	6.6%	\$252	1%	\$13	\$2.55	-3%	\$3.89	
Italy	4.6%	\$178	-13%	\$(179)	\$3.27	-13%	\$2.92	
Belgium	4.4%	\$167	4%	\$30	\$2.22	-6%	\$14.85	
Germany	4.2%	\$161	0%	\$(1)	\$2.34	3%	\$1.98	
UAE	4.1%	\$155	30%	\$114	\$2.52	-6%	\$16.94	
China	3.7%	\$142	35%	\$110	\$3.61	5%	\$0.10	
Ireland	3.4%	\$128	-3%	\$(25)	\$3.39	-6%	\$27.83	
Spain	3.3%	\$128	-7%	\$(59)	\$2.32	-4%	\$2.75	
Netherlands	2.8%	\$107	0%	\$2	\$2.24	-1%	\$6.30	
Sweden	2.5%	\$95	1%	\$7	\$3.28	0%	\$9.68	
Saudi Arabia	2.0%	\$75	10%	\$29	\$3.57	4%	\$2.38	
Greece	1.5%	\$57	-7%	\$(27)	\$2.88	-2%	\$5.23	
Denmark	1.4%	\$53	0%	\$(1)	\$3.22	-2%	\$9.37	
Australia	1.4%	\$52	18%	\$30	\$2.59	-3%	\$2.18	
Portugal	1.2%	\$46	-5%	\$(12)	\$3.01	-6%	\$4.41	
Norway	1.2%	\$46	2%	\$4	\$4.03	-6%	\$8.80	
Switzerland	1.2%	\$44	-14%	\$(48)	\$2.96	-12%	\$5.36	
Austria	1.0%	\$39	-4%	\$(9)	\$2.68	-2%	\$4.55	
Other	22.2%	\$849	-5%	\$(266)	\$2.71	-1%		
TOTAL	100%	\$3,825	-1%	\$(169)	\$2.63	-3%		

	тот	AL GLOBA	L EXPOR	TS				
	Total	Export v	alue; CIF	receiver	\$/	\$/kg		
Country	export share	US\$m; 16	5y CAGR	5y ABS	US\$; 16	5y CAGR		
USA	13.7%	\$525	5%	\$105	\$2.07	-5%		
Germany	13.0%	\$496	-4%	-\$109	\$2.47	-5%		
United Kingdom	9.8%	\$376	-8%	-\$203	\$3.48	-1%		
Belgium	7.4%	\$285	15%	\$141	\$3.16	0%		
France	7.3%	\$280	-10%	-\$197	\$2.40	-9%		
Spain	6.9%	\$263	2%	\$29	\$3.38	-3%		
Poland	5.5%	\$210	-1%	-\$7	\$2.34	-4%		
Mexico	5.0%	\$193	-6%	-\$75	\$2.42	-3%		
Canada	4.3%	\$163	-4%	-\$42	\$2.83	2%		
Netherlands	3.6%	\$137	4%	\$24	\$2.50	7%		
Oman	2.5%	\$96	181%	\$96	\$2.10	-4%		
Thailand	1.4%	\$54	16%	\$28	\$3.87	3%		
Denmark	1.4%	\$52	14%	\$25	\$3.99	-4%		
Australia	1.3%	\$51	1%	\$2	\$2.79	-5%		
Italy	1.2%	\$47	0%	\$1	\$2.83	-1%		
Switzerland	1.1%	\$43	2%	\$5	\$3.28	2%		
Czech Republic	1.1%	\$41	6%	\$11	\$2.45	2%		
Malaysia	1.0%	\$38	26%	\$26	\$2.88	3%		
China	0.9%	\$35	-2%	-\$3	\$2.40	5%		
South Korea	0.8%	\$29	19%	\$17	\$3.77	-1%		
Taiwan	0.7%	\$28	39%	\$22	\$4.05	2%		
Other	10.0%	\$383	-3%	-\$64	\$2.67	-0%		
TOTAL	100%	\$3,825	-1%	-\$169	\$2.63	-3%		

BREAKFAST CEREAL & MUESLI BARS, MIXED PUFFED/ROASTED [HS190410]

QUALITATIVE

QUALITATIVE SCORE	CARD	SITUATION/STRUCTURE	NATURE OF THE OPPORTU	NITY & CHALLENGE FOR NZ
MARKETS		NEW ZEALAND	LEVERAGEABLE NEW ZEALAND FACTORS	OPPORTUNITIES FOR LINE EXTENSION/NPD
Large global market Strongly growing demand Wide spread of markets/buyers Asian opportunity Premium for quality/safety Rich countries do it Capital intensive		 Over-reliance in Australia as key export market New products, brands and producers continue to emerge Highly competitive market Strong group of global and robust national companies manufacturing in New Zealand 	 NZ reliable, quality supply of fruit and nuts as ingredients NZ reputation for premium, quality and safe products 	 Able to utilise unique New Zealand ingredients Co-brand with other well known brands (e.g. Whittakers chocolate) Incorporating "superfoods" to promote benefits (chia, oats) Brand extension potential into yoghurt, deserts
NEW ZEALAND		DRIVER OF CONSUMER/MARKET SUCCESS	CHALLENGES/LIMITATIONS TO GROWTH	SOURCES OF VALUE CREATION
Large number of NZ firms Required skills for success Leverage country image Able to differentiate Arriving "early to the party" OVERALL	•	 Growth of snacking Convenience Rise of superfood, targeted diets (e.g. Paleo) 	 Access to shelf space challenging in retail (highly competitive market) Rise in the carbohydrate free diet fad Difficult to achieve scale and cut-through on a very busy Asian cereal shelf 	- Consumers trading up to premium range - Develop a point of difference

BULK INFANT FORMULA/OTHER SWEETENED WMP [HS040229]

EXAMPLE FIRMS/PRODUCTS

New Zealand has a range of firms succeeding in the category, as these example show





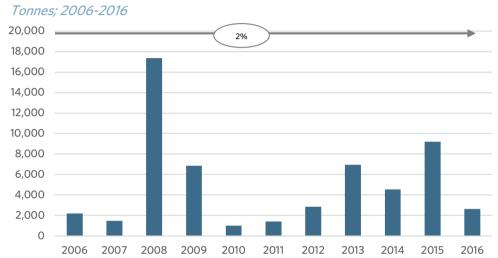




EXPORT PERFORMANCE

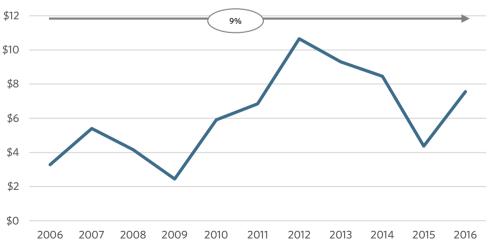
BULK INFANT FORMULA/OTHER SWEETENED WMP [HS040229] New Zealand has growing bulk infant formula exports

NEW ZEALAND EXPORT VOLUME



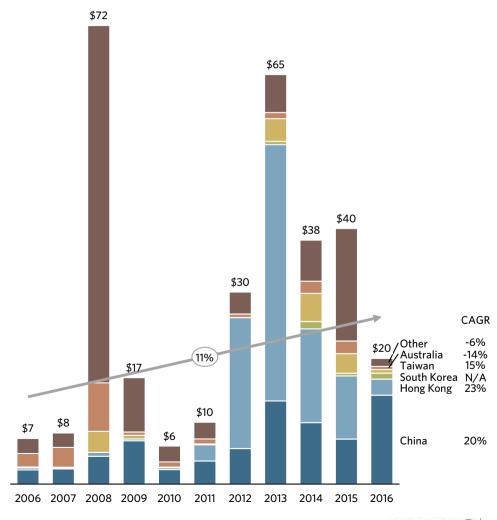
AVERAGE REPORTED NEW ZEALAND EXPORT PRICE

US\$/kg; as reported FOB NZ; 2006-2016



NEW ZEALAND EXPORT VALUE BY KEY MARKETS

US\$m; 2006-2016



BULK INFANT FORMULA/OTHER SWEETENED WHOLE MILK POWDER [HS040229]

QUANTITATIVE

QUANTITATIVE SCC	RECARD					
ACROSS ALL MAI	RKETS					
Import value (US\$m; 16)	\$456					
5y CAGR (US\$; 11-16)	-10%					
5y ABS (US\$m; 11-16)	-\$305					
Average \$/kg or I (US\$; 16)	\$2.58					
Top 21 highest imp/cap (US\$; 16)	\$35.29					
Top 21 lowest imp/cap (US\$; 16)	\$0.02					
Top 3 importers share	35%					
Top 10 importers share	65%					
Top 21 w/imports >10% CAGR	9					
Top 3 exporters share	44%					
Top 10 exporters 83% share						
New Zealand share 17.9%						
"Strawman" potential exports upside in next decade						
+\$10-25m						

TOTAL GLOBAL IMPORTS								
	Total	Import	value; CIF r	eceiver	\$,	/kg	Import per	
Country	import share	US\$m; 16	5y CAGR	5y ABS	US\$; 16	5y CAGR	capita US\$; 16	
Saudi Arabia	15.8%	\$72	-7%	-\$33	\$2.34	-10%	\$2.29	
France	10.1%	\$46	34%	\$35	\$2.56	6%	\$0.69	
Netherlands	9.2%	\$42	19%	\$24	\$1.76	-4%	\$2.48	
Mauritania	6.3%	\$29	13%	\$13	\$2.20	4%	\$7.87	
China	6.2%	\$28	20%	\$17	\$7.06	1%	\$0.02	
United Kingdom	4.0%	\$18	12%	\$8	\$2.85	6%	\$0.28	
Malaysia	3.8%	\$18	5%	\$4	\$2.47	-9%	\$0.57	
Germany	3.7%	\$17	59%	\$15	\$4.11	2%	\$0.21	
UAE	2.9%	\$13	22%	\$8	\$2.35	-2%	\$1.44	
Mauritius	2.8%	\$13	-6%	-\$4	\$3.34	-7%	\$10.22	
Italy	2.8%	\$13	29%	\$9	\$4.30	0%	\$0.21	
Maldives	2.6%	\$12	-2%	-\$1	\$2.37	-14%	\$35.29	
Australia	2.3%	\$11	1%	\$1	\$3.76	0%	\$0.45	
Spain	2.2%	\$10	-6%	-\$3	\$2.77	-2%	\$0.21	
Algeria	1.5%	\$7	7%	\$2	\$2.47	-12%	\$0.18	
Fiji	1.4%	\$6	-5%	-\$2	\$18.75	28%	\$7.24	
Botswana	1.3%	\$6	6%	\$1	\$2.97	-10%	\$2.82	
Sweden	1.2%	\$6	60%	\$5	\$4.58	-9%	\$0.58	
Poland	1.1%	\$5	-3%	-\$1	\$2.41	2%	\$0.14	
Singapore	1.1%	\$5	-25%	-\$16	\$5.07	2%	\$0.90	
Qatar	1.0%	\$5	N/A	\$5	\$3.68	N/A	\$2.15	
Other	16.5%	\$75	-31%	-\$393	\$2.14	-17%		
TOTAL	100%	\$456	-10%	-\$305	\$2.58	-10%		

	TOTAL GLOBAL EXPORTS							
	Total	Export v	alue; CIF	receiver	\$/kg			
Country	export share	US\$m; 16	5y CAGR	5y ABS	US\$; 16	5y CAGR		
New Zealand	17.9%	\$82	-13%	-\$80	\$3.03	-8%		
France	14.5%	\$66	7%	\$19	\$3.02	3%		
Belgium	11.8%	\$54	21%	\$33	\$1.85	-5%		
Germany	10.7%	\$49	10%	\$18	\$2.81	-0%		
Netherlands	8.8%	\$40	-7%	-\$19	\$2.43	-7%		
Australia	7.1%	\$32	-13%	-\$33	\$3.69	-2%		
Ireland	5.8%	\$26	28%	\$19	\$2.88	-6%		
South Africa	2.3%	\$11	1%	\$1	\$3.19	-5%		
Malaysia	2.2%	\$10	-16%	-\$14	\$1.84	-12%		
Poland	1.9%	\$9	20%	\$5	\$2.16	-4%		
Oman	1.9%	\$8	-24%	-\$25	\$4.80	-0%		
UAE	1.5%	\$7	-6%	-\$2	\$1.89	4%		
Spain	1.4%	\$6	5%	\$1	\$2.32	6%		
Denmark	1.4%	\$6	-9%	-\$4	\$2.53	-8%		
United Kingdom	1.2%	\$5	7%	\$2	\$2.82	-5%		
Singapore	0.9%	\$4	-53%	-\$165	\$2.51	-37%		
Saudi Arabia	0.9%	\$4	-3%	-\$1	\$6.35	24%		
Italy	0.8%	\$4	20%	\$2	\$2.15	-13%		
Finland	0.7%	\$3	82%	\$3	\$2.19	-10%		
USA	0.6%	\$3	-8%	-\$2	\$2.57	-4%		
Taiwan	0.5%	\$2	116%	\$2	\$5.06	4%		
Other	5.4%	\$25	-23%	-\$66	\$1.62	-16%		
TOTAL	100%	\$456	-10%	-\$305	\$2.58	-10%		

BULK INFANT FORMULA/OTHER SWEETENED WHOLE MILK POWDER [HS040229]

QUALITATIVE

QUALITATIVE SCORE	CARD	SITUATION/STRUCTURE	NATURE OF THE OPPORTUNITY & CHALLENGE FOR NZ			
MARKETS NEW ZEALAN		NEW ZEALAND	LEVERAGEABLE NEW ZEALAND FACTORS	OPPORTUNITIES FOR LINE EXTENSION/NPD		
Large global market Strongly growing demand Wide spread of markets/buyers Asian opportunity Premium for quality/safety Rich countries do it	OOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO<l< th=""><th> New Zealand leading export country of bulk powder under this code (US\$82m according to importing countries) New Zealand has large and efficient drying plants New Zealand dominated by large Co-op (Fonterra) and regional firms (e.g. Open Country, Tatua) Recent investment into dairy industry by a number of Asian firms (Mengiu, Yashili, Yili, Fineboon, China Animal Husbandry Group etc.) </th><th> New Zealand leading exporter of dairy based products - significant comparative advantage Leverage pasture-fed, grass-fed attributes of dairy New Zealand reputation for trusted, safe dairy ingredients and products </th><th> Extend and expand goat (Dairy Goat Coop, NIG Nutritionals) and sheep (Blue River Dairy, Maui Milk, Spring Sheep Dairy etc.) Farm traceability in goat and sheep products </th></l<>	 New Zealand leading export country of bulk powder under this code (US\$82m according to importing countries) New Zealand has large and efficient drying plants New Zealand dominated by large Co-op (Fonterra) and regional firms (e.g. Open Country, Tatua) Recent investment into dairy industry by a number of Asian firms (Mengiu, Yashili, Yili, Fineboon, China Animal Husbandry Group etc.) 	 New Zealand leading exporter of dairy based products - significant comparative advantage Leverage pasture-fed, grass-fed attributes of dairy New Zealand reputation for trusted, safe dairy ingredients and products 	 Extend and expand goat (Dairy Goat Coop, NIG Nutritionals) and sheep (Blue River Dairy, Maui Milk, Spring Sheep Dairy etc.) Farm traceability in goat and sheep products 		
Capital intensive		DRIVER OF CONSUMER ANA DIVET SUCCESS	CHALLENGES (LIMITATIONS TO CROWTH	COURCES OF WALLE CREATION		
NEW ZEALAND Large number of NZ firms Required skills for success Leverage country image Able to differentiate Arriving "early to the party" OVERALL		DRIVER OF CONSUMER/MARKET SUCCESS Requirement for safe, supply of infant formula from all sources (cow, goat and sheep) Ongoing demand for Whole Milk Powders in countries with no fresh source of milk Long shelf life	- Ensuring sustainable growth associated with growing dairy industry (effectively mitigating effects on water quality, methane emissions etc.) - Limited growth in dairy numbers under existing models, requires new strategy or model	Continue science around use of seaweed to reduce methane emissions associated with dairy industry Retail-ready branded product		

MIXED PREPARED/PRESERVED FRUIT, INC. SWEETENED [HS200892] EXAMPLE FIRMS/PRODUCTS New Zealand has a range of firms succeeding in the category, as these example show



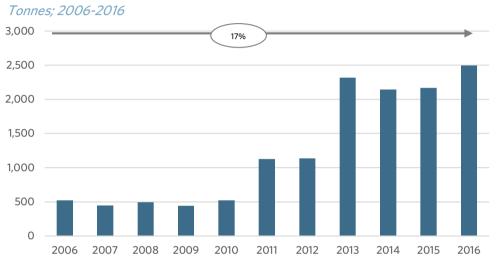




EXPORT PERFORMANCE

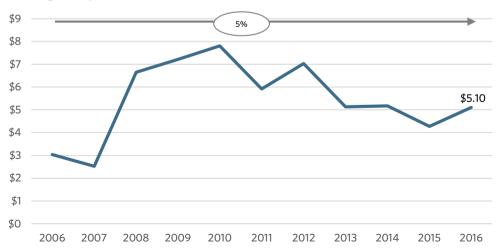
MIXED PREPARED/PRESERVED FRUIT, INC. SWEETENED [HS200892] New Zealand has growing mixed prepared/preserved fruit exports

NEW ZEALAND EXPORT VOLUME



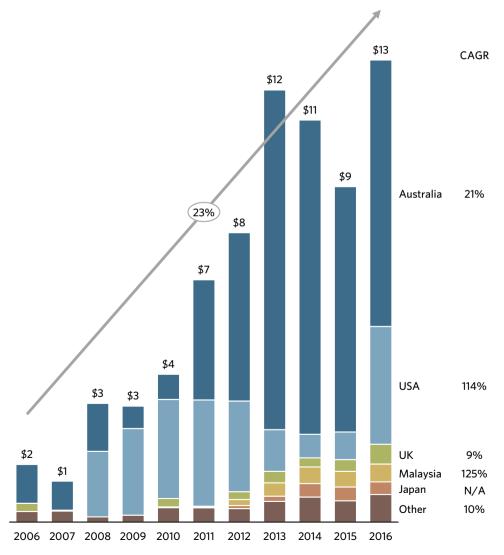
AVERAGE REPORTED NEW ZEALAND EXPORT PRICE

US\$/kg; as reported FOB NZ; 2006-2016



NEW ZEALAND EXPORT VALUE BY KEY MARKETS

US\$m; 2006-2016



MIXED PREPARED/PRESERVED FRUIT, INC. SWEETENED [HS200892]

QUANTITATIVE

QUANTITATIVE SCO	DRECARD					
ACROSS ALL MARKETS						
Import value (US\$m; 16)	\$885					
5y CAGR (US\$; 11-16)	-2%					
5y ABS (US\$m; 11-16)	-\$109					
Average \$/kg or I (US\$; 16)	\$2.09					
Top 21 highest imp/cap (US\$; 16)	\$3.17					
Top 21 lowest imp/cap (US\$; 16)	\$0.01					
Top 3 importers share	44%					
Top 10 importers share	72%					
Top 21 w/imports >10% CAGR	1					
Top 3 exporters share	34%					
Top 10 exporters share	70%					
New Zealand share	0.8%					
"Strawman" potentia upside in next de +\$20-50m						

TOTAL GLOBAL IMPORTS								
	Total	Import	value; CIF r	eceiver	\$,	Import per		
Country	import share	US\$m; 16	5y CAGR	5y ABS	US\$; 16	5y CAGR	capita US\$; 16	
USA	26.4%	\$234	3%	\$33	\$2.21	2%	\$0.73	
Canada	10.2%	\$90	2%	\$10	\$2.65	2%	\$2.53	
Germany	7.7%	\$68	-8%	-\$37	\$1.77	-1%	\$0.84	
France	6.7%	\$59	-10%	-\$39	\$2.34	3%	\$0.88	
United Kingdom	5.7%	\$50	-8%	-\$25	\$2.10	-2%	\$0.78	
Netherlands	4.2%	\$37	-3%	-\$7	\$2.28	-4%	\$2.20	
Japan	3.3%	\$29	1%	\$1	\$1.85	3%	\$0.23	
Belgium	3.0%	\$27	-6%	-\$9	\$2.61	7%	\$2.37	
Australia	2.6%	\$23	0%	\$0	\$2.20	0%	\$0.95	
Spain	2.4%	\$22	0%	\$0	\$2.37	3%	\$0.47	
South Korea	2.4%	\$21	0%	\$0	\$1.38	4%	\$0.41	
Mexico	2.4%	\$21	7%	\$6	\$2.27	8%	\$0.17	
China	1.9%	\$17	10%	\$7	\$1.51	8%	\$0.01	
Austria	1.9%	\$17	-1%	-\$1	\$2.44	0%	\$1.92	
Norway	1.9%	\$16	2%	\$1	\$3.48	0%	\$3.17	
Italy	1.5%	\$13	-2%	-\$1	\$2.34	-1%	\$0.21	
Sweden	1.1%	\$9	-6%	-\$3	\$2.77	0%	\$0.96	
Switzerland	1.0%	\$9	4%	\$2	\$3.86	8%	\$1.12	
Finland	0.9%	\$8	-3%	-\$1	\$2.53	4%	\$1.41	
Singapore	0.8%	\$7	-2%	-\$1	\$1.63	4%	\$1.35	
Russia	0.8%	\$7	-12%	-\$6	\$1.70	0%	\$0.05	
Other	11.3%	\$100	-6%	-\$38	\$1.57	-1%		
TOTAL	100%	\$885	-2%	-\$109	\$2.09	1%		

	TOTAL GLOBAL EXPORTS							
	Total	Export v	alue; CIF	receiver	\$/	\$/kg		
Country	export share	US\$m; 16	5y CAGR	5y ABS	US\$; 16	5y CAGR		
Thailand	14.3%	\$126	-0%	-\$1	\$1.80	2%		
China	10.5%	\$93	-2%	-\$11	\$1.41	-1%		
USA	9.4%	\$83	5%	\$17	\$3.94	8%		
Canada	7.2%	\$64	10%	\$25	\$5.10	-1%		
Germany	6.9%	\$61	-10%	-\$44	\$2.90	-1%		
Philippines	6.7%	\$59	-3%	-\$9	\$1.15	-0%		
Greece	5.1%	\$45	-10%	-\$31	\$1.82	-3%		
Italy	3.4%	\$30	-9%	-\$19	\$1.59	-1%		
Spain	3.3%	\$29	5%	\$6	\$1.82	1%		
France	3.3%	\$29	-5%	-\$9	\$2.96	-5%		
Belgium	3.2%	\$29	-1%	-\$1	\$4.64	-1%		
South Africa	2.8%	\$25	-9%	-\$16	\$1.50	-3%		
United Kingdom	2.5%	\$22	4%	\$4	\$5.82	5%		
Netherlands	2.3%	\$20	-9%	-\$13	\$2.57	3%		
Austria	2.2%	\$20	-7%	-\$9	\$2.20	0%		
Mexico	1.9%	\$17	-3%	-\$2	\$1.57	-2%		
Poland	1.8%	\$16	-3%	-\$2	\$1.91	-2%		
Chile	1.5%	\$13	0%	\$0	\$1.61	1%		
Vietnam	1.2%	\$11	21%	\$7	\$1.62	4%		
Portugal	1.0%	\$9	-5%	-\$3	\$1.98	-1%		
Hungary	1.0%	\$8	-6%	-\$3	\$2.63	5%		
Other	8.4%	\$75	1%	\$3	\$2.78	9%		
TOTAL	100%	\$885	-2%	-\$109	\$2.09	1%		

MIXED PREPARED/PRESERVED FRUIT, INC. SWEETENED [HS200892]

QUALITATIVE

QUALITATIVE SCORE	CARD	SITUATION/STRUCTURE	NATURE OF THE OPPORTU	INITY & CHALLENGE FOR NZ
MARKETS		NEW ZEALAND	LEVERAGEABLE NEW ZEALAND FACTORS	OPPORTUNITIES FOR LINE EXTENSION/NPD
Large global market		Products under this code include mixed fruit snacks and processed mixed fruit suitable for foodservice or commercial use	Large fruit industryLong history of fruit production	- Gift packaging - Coconut and chocolate coated
Strongly growing demand Wide spread of markets/buyers Asian opportunity Premium for	•	- Range of producers (e.g. PepsiCo/Bluebird, Barker's, Annie's)	 New Zealand premium position in fresh kiwifruit and apples Trusted food supplier, particularly important in food for children 	 Jams and sauces Yoghurt and ice cream flavourings Juices and nectars Food ingredients (cereals, snack bars)
quality/safety Rich countries do it Capital intensive	•			
NEW ZEALAND Large number of NZ firms Required skills for		- Convenience - Growth of snacking	- Scale - Competing with low cost international brands	SOURCES OF VALUE CREATION - Wide range of New Zealand developed, branded IP controlled varieties of fruit, particularly apples and kiwifruit
success Leverage country image		 Long shelf life Ingredient in a wide range of baking and food products 	- Middle East is traditional producer of dried fruit	- Target high value European and Canadian markets
Able to differentiate Arriving "early to the party" OVERALL				

New Zealand has a range of firms and collaborations succeeding in the category, as these example show



Seeka













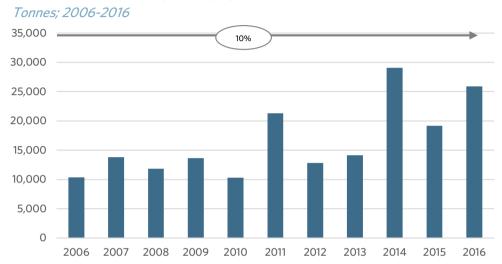






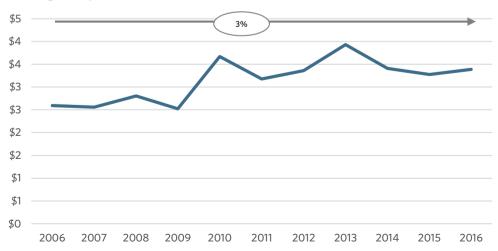
AVOCADOS, FRESH [HS080440] New Zealand has growing avocado exports

NEW ZEALAND EXPORT VOLUME



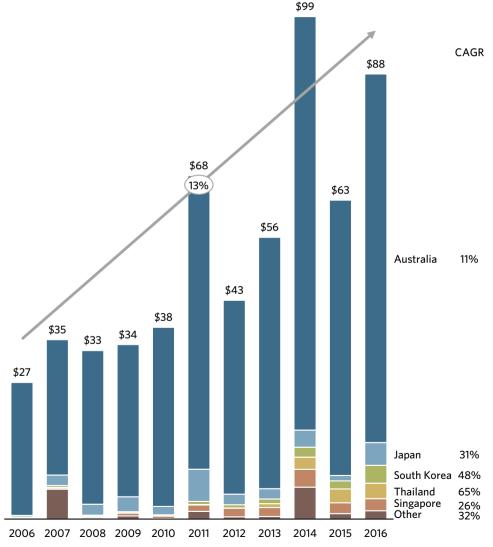
AVERAGE REPORTED NEW ZEALAND EXPORT PRICE

US\$/kg; as reported FOB NZ; 2006-2016



NEW ZEALAND EXPORT VALUE BY KEY MARKETS





QUANTITATIVE

QUANTITATIVE SCO						
ACROSS ALL MA	RKETS					
Import value (US\$m; 16)	\$4,580					
5y CAGR (US\$; 11-16)	16%					
5y ABS (US\$m; 11-16)	+\$2,408					
Average \$/kg or I (US\$; 16)	\$2.45					
Top 21 highest imp/cap (US\$; 16)	\$18.24					
Top 21 lowest imp/cap (US\$; 16)	\$0.06					
Top 3 importers share	58%					
Top 10 importers share	84%					
Top 21 w/imports >10% CAGR	16					
Top 3 exporters share	73%					
Top 10 exporters 94% share						
New Zealand share 2%						
"Strawman" potential exports upside in next decade						
+\$30-150m						

TOTAL GLOBAL IMPORTS							
	Total	Import	value; CIF r	eceiver	\$,	Import per	
Country	import share	US\$m; 16	5y CAGR	5y ABS	US\$; 16	5y CAGR	capita US\$; 16
USA	43.5%	\$1,993	16%	\$1,030	\$2.32	0.0%	\$6.19
France	8.2%	\$377	13%	\$171	\$2.80	3.8%	\$5.62
Netherlands	6.7%	\$309	12%	\$130	\$2.14	1.2%	\$18.24
United Kingdom	5.3%	\$242	27%	\$169	\$2.53	3.8%	\$3.75
Japan	4.6%	\$211	10%	\$79	\$2.86	-4.3%	\$1.66
Germany	4.4%	\$203	23%	\$131	\$3.48	7.0%	\$2.51
Spain	4.3%	\$197	27%	\$136	\$2.25	1.9%	\$4.24
Canada	3.8%	\$174	10%	\$65	\$2.24	-5.8%	\$4.88
China	1.7%	\$78	274%	\$78	\$3.12	-1.5%	\$0.06
Australia	1.6%	\$72	5%	\$15	\$3.40	-0.8%	\$3.03
Belgium	1.6%	\$71	40%	\$58	\$2.42	2.2%	\$6.31
Sweden	1.4%	\$63	7%	\$18	\$3.35	4.3%	\$6.45
Norway	1.2%	\$53	16%	\$28	\$4.25	2.0%	\$10.19
Switzerland	1.0%	\$47	18%	\$27	\$3.38	2.8%	\$5.67
Denmark	1.0%	\$46	10%	\$18	\$3.39	4.4%	\$8.14
Hong Kong SAR	0.9%	\$40	49%	\$35	\$2.41	0.7%	\$5.53
Italy	0.9%	\$39	5%	\$9	\$2.78	6.1%	\$0.64
UAE	0.8%	\$35	79%	\$33	\$2.04	-2.8%	\$3.79
Poland	0.6%	\$27	33%	\$21	\$2.71	3.2%	\$0.71
Argentina	0.6%	\$25	23%	\$16	\$1.98	3.9%	\$0.59
Finland	0.5%	\$22	29%	\$16	\$2.90	-0.6%	\$3.96
Other	5.5%	\$254	15%	\$125	\$2.08	7%	
TOTAL	100%	\$4,580	16%	\$2,408	\$2.45	1%	

TOTAL GLOBAL EXPORTS							
	Total	Export v	alue; CIF	\$/	\$/kg		
Country	export share	US\$m; 16	5y CAGR	5y ABS	US\$; 16	5y CAGR	
Mexico	52.0%	\$2,382	18%	\$1,357	\$2.37	-1%	
Peru	11.6%	\$530	21%	\$324	\$2.46	2%	
Chile	9.6%	\$438	15%	\$223	\$2.75	7%	
Spain	5.4%	\$248	6%	\$66	\$3.06	4%	
Netherlands	4.7%	\$216	16%	\$114	\$3.03	3%	
South Africa	3.0%	\$137	16%	\$71	\$2.37	2%	
Israel	2.7%	\$123	3%	\$15	\$2.35	4%	
New Zealand	1.9%	\$89	5%	\$21	\$3.49	0%	
Kenya	1.8%	\$84	21%	\$51	\$1.94	2%	
USA	1.0%	\$47	11%	\$19	\$3.29	-2%	
Germany	1.0%	\$45	30%	\$33	\$1.76	5%	
France	0.9%	\$42	8%	\$14	\$1.96	-0%	
Dominican Rep.	0.8%	\$35	6%	\$9	\$1.58	3%	
Colombia	0.7%	\$32	136%	\$31	\$2.23	0%	
United Kingdom	0.5%	\$23	8%	\$7	\$2.74	1%	
Morocco	0.4%	\$18	12%	\$8	\$2.71	5%	
Belgium	0.4%	\$16	43%	\$13	\$2.75	2%	
Brazil	0.3%	\$13	18%	\$7	\$2.26	-2%	
Tanzania	0.2%	\$11	251%	\$11	\$2.55	-5%	
Australia	0.2%	\$9	1%	\$0	\$4.03	1%	
Switzerland	0.1%	\$7	64%	\$6	\$7.23	-11%	
Other	0.8%	\$35	5%	\$8	\$1.52	10%	
TOTAL	100%	\$4,580	16%	\$2,408	\$2.45	1%	

QUALITATIVE SCORE	CARD	SITUATION/STRUCTURE	NATURE OF THE OPPORTUNITY & CHALLENGE FOR NZ			
MARKETS		NEW ZEALAND	LEVERAGEABLE NEW ZEALAND FACTORS	OPPORTUNITIES FOR LINE EXTENSION/NPD		
Large global market Strongly growing demand Wide spread of markets/buyers Asian opportunity Premium for quality/safety Rich countries do it Capital intensive		 Growing production and plantings Currently primarily exported to Australia (achieving a premium by global standards) Research and marketing focus as part of Government Primary Growth Partnership Funding 	 Biosecurity preventing low cost competition in domestic market Clean, green image Consistent, trusted supplier of quality produce Counter seasonal supply 	 Gift packaging for Asian markets Processed spreads, dips, guacamole Alternative ingredient in smoothies, icecream HPP products that retain freshness (for foodservice and retail) Baby food products /aged care products Dessert products 		
NEW ZEALAND		DRIVER OF CONSUMER/MARKET SUCCESS	CHALLENGES/LIMITATIONS TO GROWTH	SOURCES OF VALUE CREATION		
Large number of NZ firms Required skills for success Leverage country image Able to differentiate Arriving "early to the party" OVERALL	•	 Many uses, across different cuisines (Sushi ingredient, Salads, Dips, Ingredient in smoothies, icecream, yoghurt) Luxury product Healthy "superfood" Emerging use in raw and free-from products in Western countries 	 High cost compared to Mexico and US Limited awareness or recently introduced to key Asian markets outside of Japan Requires very delicate handling and storage; ripeness risk to consumer 	 Maximise the advantage of biosecurity and free trade agreements Extend the counter seasonal supply window through variety, technology and/or geography Research reducing impact and extent of biennial bearing nature of fruit Processes in place to ensure consistent high quality fruit on shelf Continued market support and growth into East Asia Consolidation of industry 		

MIXED CHOCOLATES/SIMILAR [HS180690]

EXAMPLE FIRMS/PRODUCTS

New Zealand has a range of firms succeeding in the category, as these example show





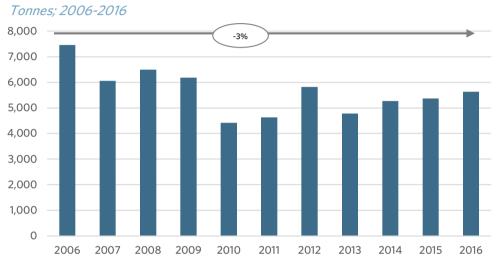




MIXED CHOCOLATES/SIMILAR [HS180690]

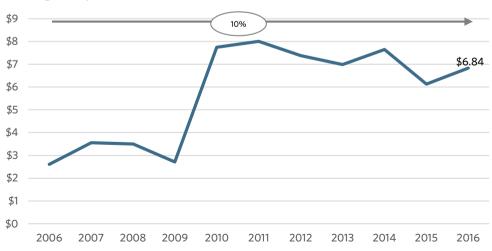
New Zealand has growing mixed/assorted chocolate exports

NEW ZEALAND EXPORT VOLUME



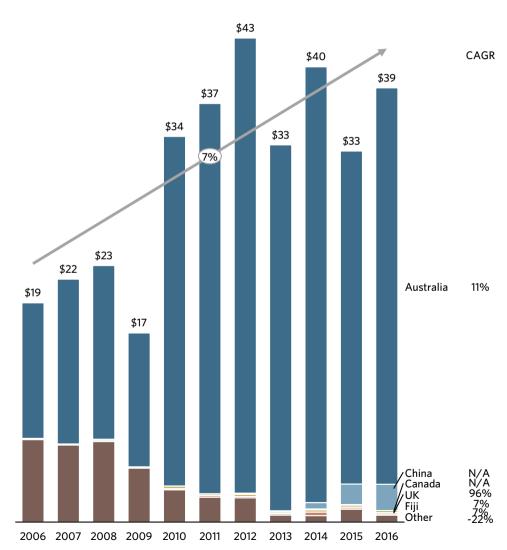
AVERAGE REPORTED NEW ZEALAND EXPORT PRICE

US\$/kg; as reported FOB NZ; 2006-2016



NEW ZEALAND EXPORT VALUE BY KEY MARKETS

US\$m; 2006-2016



MIXED CHOCOLATES/SIMILAR [HS180690]

QUANTITATIVE

	2256422					
QUANTITATIVE SCORECARD						
ACROSS ALL MA	RKETS					
Import value (US\$m; 16)	\$11,862					
5y CAGR (US\$; 11-16)	2%					
5y ABS (US\$m; 11-16)	+\$1,031					
Average \$/kg or I (US\$; 16)	\$5.34					
Top 21 highest imp/cap (US\$; 16)	\$44.74					
Top 21 lowest imp/cap (US\$; 16)	\$0.13					
Top 3 importers share	27%					
Top 10 importers share	57%					
Top 21 w/imports >10% CAGR	3					
Top 3 exporters share	38%					
Top 10 exporters share	76%					
New Zealand share	0.4%					
"Strawman" potential exports upside in next decade						
+\$50-150m						

TOTAL GLOBAL IMPORTS							
	Total	Import	value; CIF r	eceiver	\$,	Import	
Country	import share	US\$m; 16	5y CAGR	5y ABS	US\$; 16	5y CAGR	per capita US\$; 16
Germany	9.6%	\$1,135	3%	\$164	\$6.41	-1%	\$14.00
USA	8.7%	\$1,029	5%	\$215	\$5.00	2%	\$3.20
United Kingdom	8.5%	\$1,003	5%	\$214	\$4.90	-3%	\$15.53
France	7.9%	\$935	3%	\$147	\$6.44	1%	\$13.95
Netherlands	6.4%	\$757	5%	\$172	\$4.77	-3%	\$44.74
Canada	4.4%	\$524	1%	\$25	\$5.66	-1%	\$14.67
Belgium	3.1%	\$372	10%	\$140	\$4.52	-3%	\$33.05
Spain	3.0%	\$357	3%	\$53	\$4.31	-1%	\$7.69
Hong Kong SAR	2.5%	\$301	12%	\$127	\$7.90	3%	\$41.28
Austria	2.5%	\$297	2%	\$30	\$5.79	-1%	\$34.51
Australia	2.2%	\$265	1%	\$16	\$5.24	-4%	\$11.08
Czech Republic	2.2%	\$257	7%	\$71	\$5.13	-1%	\$24.41
Italy	2.0%	\$240	1%	\$15	\$5.23	-2%	\$3.95
Poland	1.9%	\$224	5%	\$51	\$5.00	0%	\$5.81
UAE	1.8%	\$219	12%	\$93	\$4.65	-7%	\$23.96
Ireland	1.7%	\$205	5%	\$42	\$5.44	-2%	\$44.58
Russia	1.6%	\$193	-20%	-\$410	\$5.23	3%	\$1.32
China	1.5%	\$178	4%	\$34	\$8.27	1%	\$0.13
Sweden	1.4%	\$171	-1%	-\$5	\$5.35	-2%	\$17.45
Switzerland	1.4%	\$165	2%	\$18	\$7.45	0%	\$19.96
Slovakia	1.3%	\$157	10%	\$60	\$6.25	3%	\$28.97
Other	24.3%	\$2,877	-2%	-\$240	\$5.04	0%	
TOTAL	100%	\$11,862	2%	\$1,031	\$5.34	0%	

TOTAL GLOBAL EXPORTS							
	Total	Export v	alue; CIF	receiver	\$/	kg	
Country	export share	US\$m; 16	5y CAGR	5y ABS	US\$; 16	5y CAGR	
Germany	16.0%	\$1,901	3%	\$254	\$5.40	-0%	
Italy	11.3%	\$1,342	6%	\$328	\$6.87	-1%	
Belgium	10.4%	\$1,230	1%	\$75	\$6.43	-1%	
Poland	8.3%	\$987	10%	\$361	\$5.89	-1%	
France	6.6%	\$786	-0%	-\$11	\$4.17	-5%	
USA	6.3%	\$743	2%	\$55	\$5.72	-1%	
Netherlands	5.2%	\$617	-0%	-\$3	\$4.55	-5%	
United Kingdom	4.3%	\$506	5%	\$105	\$5.26	-3%	
Canada	3.9%	\$461	4%	\$76	\$5.05	1%	
Switzerland	3.5%	\$414	2%	\$33	\$9.38	-2%	
Mexico	2.9%	\$349	3%	\$51	\$3.94	3%	
Russia	1.5%	\$183	1%	\$7	\$2.93	-5%	
China	1.4%	\$167	10%	\$65	\$5.44	6%	
Spain	1.2%	\$147	2%	\$16	\$4.79	-3%	
Sweden	1.1%	\$131	-2%	-\$16	\$4.69	-6%	
India	1.1%	\$126	70%	\$118	\$14.48	38%	
Czech Republic	1.0%	\$122	12%	\$52	\$5.78	1%	
Austria	0.9%	\$108	-5%	-\$31	\$5.22	-0%	
Australia	0.9%	\$102	3%	\$16	\$6.02	0%	
Turkey	0.8%	\$97	-1%	-\$4	\$2.65	3%	
Denmark	0.7%	\$85	-1%	-\$3	\$7.51	1%	
Other	10.6%	\$1,257	-7%	-\$512	\$4.57	1%	
TOTAL	100%	\$11,862	2%	\$1,031	\$5.34	-0%	

QUALITATIVE SCOREC	CARD	SITUATION/STRUCTURE	NATURE OF THE OPPORTUNITY & CHALLENGE FOR NZ			
MARKETS		NEW ZEALAND	LEVERAGEABLE NEW ZEALAND FACTORS	OPPORTUNITIES FOR LINE EXTENSION/NPD		
Large global market		Large number of mid to small producers of chocolate Growth in premium chocolate categories	High quality dairy inputs Unique New Zealand ingredients	Convenient packaging (e.g. single serve, large) Single origin cocoa products; provenance		
Strongly growing demand		- Over-reliance on Australian market (~90% market share)	- Sustainable/fair-trade	emphasis - Liquor filled, New Zealand flavours		
Wide spread of markets/buyers		- NZ exports achieve a premium (US\$6.84/kg vs \$5.34/kg world average)		Specific holiday themed productsMarket targeted gift packaging		
Asian opportunity				- Design your own chocolates/personalised boxes		
Premium for				- Chain of retail outlets (e.g. Koko Black in Australia)		
quality/safety Rich countries do it				- Chain of hospitality outlets (e.g. Butlers Chocolate Cafes)		
Capital intensive						
NEW ZEALAND		DRIVER OF CONSUMER/MARKET SUCCESS	CHALLENGES/LIMITATIONS TO GROWTH	SOURCES OF VALUE CREATION		
Large number of NZ firms		- Gift giving - Indulgent versatile treat	Competing in luxury market with traditional European countries renowned for chocolate making	- Consolidate industry - Scale up raw bean primary processing		
Required skills for success		Dessert accompaniment or substitute Extremely versatile luxury gift; every occasion for	- Lack of global scale (e.g. relative to Lindt)			
Leverage country image		everyone - Indulgence trend				
Able to differentiate		- Associated with popular holidays (Valentine's Day, Easter, Christmas, Chinese New Year)				
Arriving "early to the party"						
OVERALL						

CHICKEN MEAT, PREPARED/PRESERVED [HS160232]

EXAMPLE FIRMS/PRODUCTS

New Zealand has a range of succeeding products in the category, as these example show

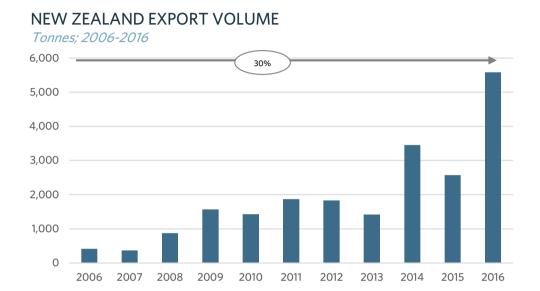






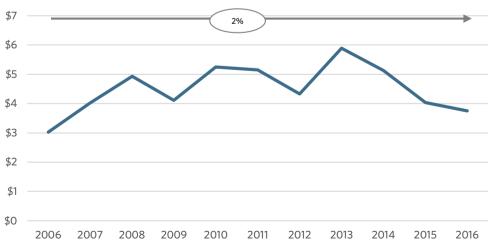
EXPORT PERFORMANCE

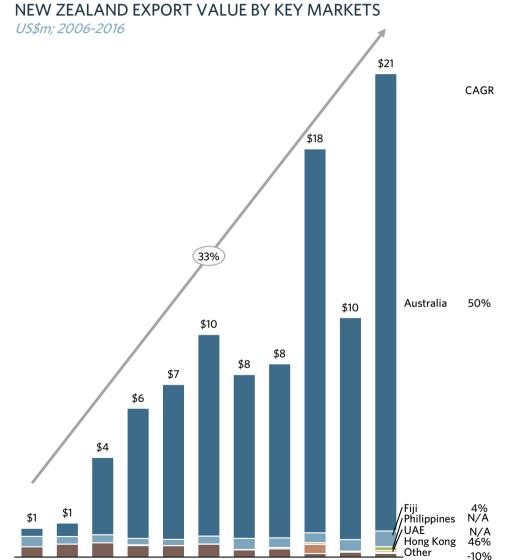
CHICKEN MEAT, PREPARED/PRESERVED [HS160232] New Zealand has growing pre-cooked chicken meat product exports



AVERAGE REPORTED NEW ZEALAND EXPORT PRICE

US\$/kg; as reported FOB NZ; 2006-2016





2006 2007 2008 2009 2010 2011 2012 2013 2014 2015

2016

CHICKEN MEAT, PREPARED/PRESERVED [HS160232]

QUANTITATIVE

QUANTITATIVE SCC	DRECARD				
ACROSS ALL MAI	RKETS				
Import value (US\$m; 16)	\$6,553				
5y CAGR (US\$; 11-16)	-1%				
5y ABS (US\$m; 11-16)	-\$253				
Average \$/kg or I (US\$; 16)	\$3.84				
Top 21 highest imp/cap (US\$; 16)	\$34.31				
Top 21 lowest imp/cap (US\$; 16)	\$.036				
Top 3 importers share	57%				
Top 10 importers share	80%				
Top 21 w/imports >10% CAGR	4				
Top 3 exporters share	54%				
Top 10 exporters share	83%				
New Zealand share 0.6%					
"Strawman" potential exports upside in next decade					
+\$50-150m					

TOTAL GLOBAL IMPORTS							
	Total	Import	value; CIF r	eceiver	\$,	Import	
Country	import share	US\$m; 16	5y CAGR	5y ABS	US\$; 16	5y CAGR	per capita US\$; 16
Japan	29.4%	\$1,930	-1%	-\$113	\$4.57	-1%	\$15.21
United Kingdom	18.2%	\$1,194	-3%	-\$172	\$3.58	-5%	\$18.49
Netherlands	8.9%	\$580	-1%	-\$20	\$3.86	-2%	\$34.31
Germany	7.4%	\$484	-7%	-\$219	\$3.17	-1%	\$5.97
USA	3.3%	\$214	18%	\$121	\$5.08	3%	\$0.66
France	3.0%	\$200	3%	\$31	\$3.86	-6%	\$2.98
Hong Kong SAR	3.0%	\$198	1%	\$7	\$2.33	10%	\$27.12
Canada	2.4%	\$156	0%	-\$1	\$5.16	0%	\$4.36
Belgium	2.3%	\$148	-1%	-\$4	\$4.05	-3%	\$13.13
Ireland	2.0%	\$133	7%	\$36	\$4.10	-3%	\$28.79
Sweden	1.8%	\$116	0%	-\$3	\$4.34	-5%	\$11.79
Denmark	1.5%	\$97	2%	\$11	\$3.52	-7%	\$17.04
Saudi Arabia	1.3%	\$86	19%	\$51	\$4.41	0%	\$2.73
Singapore	1.3%	\$85	4%	\$15	\$4.22	-1%	\$15.50
Austria	1.2%	\$77	-2%	-\$8	\$4.26	-4%	\$8.93
South Korea	1.2%	\$76	7%	\$21	\$4.00	2%	\$1.48
Italy	1.1%	\$71	1%	\$5	\$3.88	-5%	\$1.16
Spain	0.9%	\$61	10%	\$23	\$3.88	-5%	\$1.30
UAE	0.9%	\$58	31%	\$43	\$3.90	1%	\$6.29
Australia	0.7%	\$47	5%	\$10	\$3.75	-10%	\$1.95
Mexico	0.7%	\$43	0%	\$0	\$4.04	6%	\$0.36
Other	7.7%	\$502	-3%	-\$85	\$3.02	-2%	
TOTAL	100%	\$6,553	-1%	-\$253	\$3.84	-1%	

	TOTAL GLOBAL EXPORTS							
	Total	Export v	alue; CIF	receiver	\$/kg			
Country	export share	US\$m; 16	5y CAGR	5y ABS	US\$; 16	5y CAGR		
Thailand	34.1%	\$2,234	-1%	-\$67	\$4.42	-1%		
China	13.2%	\$862	-5%	-\$238	\$4.21	-1%		
Netherlands	6.9%	\$451	0%	\$1	\$3.57	-4%		
Brazil	6.7%	\$439	-7%	-\$198	\$2.74	-2%		
Germany	5.9%	\$389	-1%	-\$19	\$3.72	-5%		
United Kingdom	4.0%	\$264	19%	\$155	\$4.00	-1%		
USA	3.5%	\$228	-3%	-\$34	\$3.76	5%		
Poland	2.9%	\$187	16%	\$99	\$2.65	-2%		
France	2.7%	\$178	-0%	-\$3	\$4.02	-3%		
Canada	2.7%	\$178	16%	\$94	\$5.05	5%		
Denmark	2.4%	\$158	-4%	-\$31	\$3.59	-6%		
Belgium	2.2%	\$146	-7%	-\$62	\$4.58	-2%		
Ireland	1.9%	\$125	0%	\$0	\$3.98	-6%		
Austria	1.1%	\$74	-1%	-\$5	\$3.77	-4%		
Hungary	1.1%	\$71	2%	\$6	\$3.51	-8%		
UAE	1.0%	\$68	30%	\$50	\$4.59	4%		
Malaysia	1.0%	\$63	21%	\$38	\$4.08	-0%		
Italy	0.7%	\$49	-11%	-\$37	\$3.17	-3%		
New Zealand	0.6%	\$38	5%	\$8	\$3.79	-12%		
Chile	0.5%	\$35	23%	\$23	\$1.58	4%		
Slovenia	0.5%	\$33	-2%	-\$4	\$4.76	-1%		
Other	4.3%	\$284	-2%	-\$30	\$2.96	2%		
TOTAL	100%	\$6,553	-1%	-\$253	\$3.84	-1%		

QUALITATIVE SCOREC	CARD	SITUATION/STRUCTURE	NATURE OF THE OPPORTUNITY & CHALLENGE FOR NZ				
MARKETS		NEW ZEALAND	LEVERAGEABLE NEW ZEALAND FACTORS	OPPORTUNITIES FOR LINE EXTENSION/NPD			
Large global market		- NZ less than 1% of global trade in the US\$6.5b category	- GM-free, antibiotic-free, cage-free - Disease-free status	 Packaging innovation for convenience, easy open Product innovation (single-serve) 			
Strongly growing demand		- Recent move into exporting; 2016 achieved overall chicken export revenue of +NZ\$100m	- Highly regulated, strong food safety systems	- Meal solutions (snack, dinner) - Flavoured, cooked, convenience (e.g. Mexican)			
Wide spread of markets/buyers		- New Zealand has a modern chicken industry; two large listed firms Tegel (NZX) and Ingham's (ASX) and two strong second tier firms (Brink's and Turk's)		flavoured for wraps/enchiladas)			
Asian opportunity		- No chicken imports allowed into NZ - Achieve excellent feed conversion ratios (FCR) due					
Premium for quality/safety		to lack of key poultry diseases					
Rich countries do it							
Capital intensive							
NEW ZEALAND		DRIVER OF CONSUMER/MARKET SUCCESS	CHALLENGES/LIMITATIONS TO GROWTH	SOURCES OF VALUE CREATION			
Large number of NZ firms		Demand for GM-free feed, antibiotic-free, cage-free Globally chicken is the second highest produced	- Cold chain integrity	- Recent access to Australian market beyond fully cooked			
Required skills for success		species after pork; showing the strongest growth by species		Innovation and conveniencePremium differentiated products into premium			
Leverage country image		- Chicken a low cost/convenient protein for many consumers		markets (highly competitive at the value end of town)			
Able to differentiate							
Arriving "early to the party"							
OVERALL	0						

Appendix Quantitative Details

- + Details of Stage I of project screening process
- + Purely quantitative scorecard results of New Zealand Food & Beverage export performance
- + Measured across all global F&B trade codes at the six digit level (HS6)

Stage I evaluated all of New Zealand's food & beverage exports across common purely quantitative criteria

	AGE I uantitative
Objective(s)	 Develop a pool of all small/mid-size export categories for analysis Screen this pool to identify a short list of food & beverage export categories with attractive metrics Feed this list into Stage II
Methodology	 Develop set of quantitative criteria to identify where material growth is occurring Conduct purely quantitative screen of all New Zealand food and beverage export categories Focus on New Zealand export products with an export value between US\$5m and \$100m
Data source(s)	- United Nations Comtrade data (ultimately from New Zealand customs data)
Outcome	- Identification of twenty export categories with attractive export growth metrics
Limitations	 Purely quantitative screen; no qualitative characteristics taken into account Uses global standard Harmonised System Codes (HS Codes) at the common six digit (HS6) level Uses US\$ (not NZ\$) to allow for comparability with other countries (competitors & markets)

HS Code	Short Description	Exports US\$; 2016	10y CAGR Export value 06-16	5y CAGR Export value 11-16	10y ABS Exp. Growth 06-16	5y ABS Exp. Growth 11-16	Average export price US\$/kg; 16	10y CAGR unit price	SCORE
020110	Beef, chilled carcass	\$-	-100.0%	-100.0%	\$(0.0)	\$(0.4)	\$-	0%	\circ
020120	Beef, chilled bone-in	\$6.1	0.8%	4.3%	\$0.5	\$1.2	\$7.32	2%	\circ
020130	Beef, chilled boneless	\$232.1	4.4%	3.2%	\$81.4	\$33.8	\$8.22	4%	•
020210	Beef, frozen carcass	\$1.3	6.8%	-7.4%	\$0.6	\$(0.6)	\$2.19	3%	\circ
020220	Beef, frozen bone-in	\$127.9	5.3%	7.9%	\$51.8	\$40.5	\$2.89	0%	•
020230	Beef, frozen boneless	\$1,579.5	5.4%	3.5%	\$644.4	\$249.9	\$4.58	5%	•
020311	Pork, chilled carcass	\$0.0	28.3%	3.8%	\$0.0	\$0.0	\$6.99	9%	•
020312	Pork, chilled cuts	\$0.0	-23.1%	5.1%	\$(0.4)	\$0.0	\$4.52	3%	\circ
020312	Pork, chilled nes	\$0.0	-5.4%	-0.8%	\$(0.0)	\$(0.0)	\$2.84	-6%	0
020321	Pork, frozen carcass	\$0.0	-34.4%	-63.3%	\$(0.0)	\$(0.1)	\$4.42	2%	\circ
020322	Pork, frozen cuts	\$0.1	5.7%	35.9%	\$0.0	\$0.1	\$3.09	-3%	\circ
020321 020322 020329 020329	Pork, frozen nes	\$0.3	7.0%	48.1%	\$0.2	\$0.3	\$2.96	1%	\circ
	Sheep, chilled bone-in	\$373.3	2.3%	-4.5%	\$76.0	\$(97.8)	\$6.66	1%	\circ
020423	Sheep, chilled boneless	\$187.6	5.3%	-3.1%	\$75.3	\$(32.4)	\$10.50	1%	\circ
020430	Lamb, frozen carcass	\$16.8	-6.9%	-1.2%	\$(17.5)	\$(1.0)	\$4.14	3%	0
020441	Sheep, frozen carcass	\$44.3	9.4%	-2.6%	\$26.3	\$(6.3)	\$2.83	5%	\circ
020442	Sheep, frozen bone-in	\$932.6	1.7%	-4.8%	\$141.2	\$(257.4)	\$3.88	1%	0
020443	Sheep, frozen boneless	\$284.1	-0.3%	-6.9%	\$(7.6)	\$(123.1)	\$5.47	2%	\circ
020450	Goat, chilled or frozen	\$5.7	3.3%	3.6%	\$1.6	\$0.9	\$5.50	4%	•
020500	Horse	\$0.6	-8.9%	-19.7%	\$(0.9)	\$(1.2)	\$3.22	2%	0
020610	Beef, chilled offal	\$3.8	1.1%	2.5%	\$0.4	\$0.4	\$8.16	8%	0
020621	Beef, frozen tongues	\$33.9	0.2%	4.5%	\$0.7	\$6.7	\$7.06	-3%	0
020622	Beef, frozen livers	\$10.0	0.3%	-3.7%	\$0.3	\$(2.0)	\$0.97	-2%	0
020629	Beef, frozen offal	\$81.2	7.6%	6.4%	\$42.3	\$21.6	\$2.71	5%	•
020641	Pork, frozen livers	\$-	0.0%	-100.0%	\$-	\$(0.0)	\$-	0%	0

HS Code	e Short Description	Exports US\$; 2016	10y CAGR Export value 06-16	5y CAGR Export value 11-16	10y ABS Exp. Growth 06-16	5y ABS Exp. Growth 11-16	Average export price US\$/kg; 16	10y CAGR unit price	SCORE
02064	19 Pork, offal frozen	\$0.1	53.6%	0.0%	\$0.1	\$0.1	\$4.32	-8%	0
02068	30 Sheep, chilled offal	\$0.0	-24.4%	-67.0%	\$(0.1)	\$(2.2)	\$10.66	18%	0
02069	O Sheep, frozen offal	\$38.5	3.6%	-5.1%	\$11.4	\$(11.5)	\$1.57	4%	0
0207	11 Chicken, whole chilled	\$0.2	-0.7%	1.2%	\$(0.0)	\$0.0	\$2.57	-1%	\circ
0207	12 Chicken, whole frozen	\$6.9	12.1%	29.4%	\$4.7	\$5.0	\$2.05	7%	•
0207	13 Chicken, cuts chilled	\$2.5	29.2%	38.3%	\$2.3	\$2.0	\$4.70	5%	•
0207	14 Chicken, frozen	\$30.5	25.8%	3.4%	\$27.4	\$4.6	\$2.68	8%	•
02072 02072	24 Turkey, whole chilled	\$0.0	5.8%	18.8%	\$0.0	\$0.0	\$8.69	5%	\circ
	25 Turkey, whole frozen	\$0.2	18.7%	28.2%	\$0.1	\$0.1	\$5.47	3%	•
02072	26 Turkey, cuts chilled	\$0.1	0.0%	82.8%	\$0.1	\$0.1	\$4.78	0%	\circ
	27 Turkey, cuts frozen	\$0.2	0.0%	92.2%	\$0.2	\$0.2	\$2.45	0%	\circ
02072 02073 02073 02073	32 Ducks, whole chilled	\$0.0	10.0%	-21.8%	\$0.0	\$(0.0)	\$3.02	-4%	0
	33 Ducks, whole frozen	\$0.4	17.0%	8.7%	\$0.3	\$0.1	\$4.38	11%	•
02073	34 Goose/duck liver chilled	\$0.0	0.0%	0.0%	\$0.0	\$0.0	\$5.94	0%	\bigcirc
0207	B5 Poultry, cuts fresh	\$-	0.0%	-100.0%	\$-	\$(0.0)	\$-	0%	\bigcirc
02073	86 Poultry, cuts frozen	\$0.0	-3.1%	11.2%	\$(0.0)	\$0.0	\$4.87	22%	\circ
02089	Do Deer, other nes, fresh & frozen	\$121.6	-3.4%	-7.2%	\$(49.6)	\$(54.7)	\$8.69	4%	\bigcirc
02090	00 Fat, pig & poultry	\$0.0	0.0%	0.0%	\$0.0	\$0.0	\$6.33	0%	\circ
0210	11 Pork, bone-in hams	\$0.0	-30.0%	-64.2%	\$(0.0)	\$(0.1)	\$7.20	4%	0
0210	12 Pork bellies	\$0.0	0.0%	0.5%	\$0.0	\$0.0	\$3.22	0%	\circ
0210	19 Pork, smoked	\$0.2	1.5%	-7.5%	\$0.0	\$(0.1)	\$5.00	2%	0
02102	20 Beef, salted/smoked	\$1.0	-19.0%	48.5%	\$(6.9)	\$0.8	\$16.66	1%	0
02109	Dolphin & whale, smoked	\$-	-100.0%	0.0%	\$(0.0)	\$-	\$-	0%	\circ
02109	Deer, other nes, salted/dried	\$4.4	24.1%	43.0%	\$3.9	\$3.6	\$31.06	18%	•
0301	IO Live ornamental fish	\$0.0	-25.6%	0.0%	\$(0.1)	\$0.0	\$32.25	19%	0

03 Seafood

HS	Code	Short Description	Exports US\$; 2016	10y CAGR Export value 06-16	5y CAGR Export value 11-16	10y ABS Exp. Growth 06-16	5y ABS Exp. Growth 11-16	Average export price US\$/kg; 16	10y CAGR unit price	SCORE
	030192	Live eels	\$1.3	2.7%	-19.4%	\$0.3	\$(2.5)	\$8.61	5%	0
	030199	Live fish, n.e.s.	\$0.2	63.3%	168.1%	\$0.2	\$0.2	\$4.40	-9%	0
	030211	Trout, chilled	\$0.0	0.0%	52.1%	\$0.0	\$0.0	\$10.87	0%	•
	030212	Salmon, chilled whole	\$37.5	9.8%	9.7%	\$22.7	\$13.8	\$10.72	7%	•
(030223	Sole, chilled	\$0.0	-3.9%	-17.1%	\$(0.0)	\$(0.0)	\$7.03	9%	\circ
(030229	Flat fish, chilled	\$2.8	2.2%	4.3%	\$0.5	\$0.5	\$5.56	4%	0
	030231	Albacore/longfinned tunas, chilled	\$0.0	-25.8%	61.9%	\$(0.1)	\$0.0	\$5.60	-10%	0
00	030232	Yellowfin tunas, chilled	\$0.4	10.6%	84.9%	\$0.2	\$0.4	\$6.98	0%	•
(030234	Bigeye tuna	\$1.8	-0.1%	-1.5%	\$(0.0)	\$(0.1)	\$11.39	4%	0
000	030235	Tuna, bluefun chilled	\$0.5	-6.2%	-20.4%	\$(0.5)	\$(1.2)	\$8.79	-9%	0
>еатоод 	030236	Bluefin tuna, chilled whole	\$8.2	26.9%	14.9%	\$7.5	\$4.1	\$9.11	1%	0
_	030239	Tunas, skipjack & bonito, chilled	\$0.0	-35.4%	-64.8%	\$(0.6)	\$(1.3)	\$11.41	12%	0
(030250	Cod, chilled	\$0.3	18.2%	-1.4%	\$0.2	\$(0.0)	\$7.91	6%	0
(030263	Coalfish, chilled	\$-	-100.0%	0.0%	\$(0.0)	\$-	\$-	0%	0
(030264	Mackerel, chilled	\$0.0	-10.6%	0.0%	\$(0.0)	\$0.0	\$1.66	2%	0
(030265	Sharks, whole chilled	\$4.2	14.9%	-0.3%	\$3.2	\$(0.1)	\$5.45	3%	0
(030266	Eels, chilled	\$0.1	20.7%	25.0%	\$0.1	\$0.0	\$9.95	15%	•
(030269	Chilled fish, nes.	\$47.0	3.0%	-2.7%	\$12.0	\$(6.8)	\$6.16	3%	0
(030270	Fish livers & roes, chilled	\$0.0	-6.4%	-9.6%	\$(0.0)	\$(0.0)	\$5.05	-14%	0
	030311	Sockeye salmon, frozen	\$0.0	-13.5%	-53.6%	\$(0.1)	\$(0.9)	\$32.49	17%	0
	030319	Salmon, frozen whole	\$2.5	-11.6%	-27.8%	\$(6.1)	\$(10.2)	\$8.00	7%	0
	030321	Trout, frozen	\$-	0.0%	-100.0%	\$-	\$(0.0)	\$-	0%	0
(030322	Atlantic salmon, frozen	\$0.1	0.0%	0.0%	\$0.1	\$0.1	\$12.62	0%	0
(030329	Salmonidae, frozen	\$0.0	0.0%	40.2%	\$0.0	\$0.0	\$2.55	0%	0
(030333	Sole, frozen	\$0.3	19.8%	14.2%	\$0.2	\$0.1	\$3.00	1%	0

03 Seafood

			10y CAGR	5y CAGR	10y ABS	5y ABS	Average		
HS Code	Short Description	Exports US\$; 2016	Export value 06-16	Export value 11-16	Exp. Growth 06-16	Exp. Growth 11-16	export price US\$/kg; 16	10y CAGR unit price	SCORE
030339	Flat fish, frozen whole	\$3.9	-2.3%	-3.1%	\$(1.0)	\$(0.7)	\$4.04	3%	0
030341	Longfin tuna, frozen whole	\$7.0	2.1%	-7.0%	\$1.3	\$(3.1)	\$3.21	5%	
030342	Yellowfin tunas, frozen	\$0.0	0.0%	-43.2%	\$0.0	\$(0.3)	\$1.56	0%	0
030343	Skipjack tuna, frozen whole	\$8.3	3.7%	-15.7%	\$2.5	\$(11.1)	\$1.41	7%	0
030344	Bigeye tunas, frozen	\$0.0	-11.9%	13.4%	\$(0.0)	\$0.0	\$1.51	-20%	0
030345	Bluefin tunas, frozen	\$-	0.0%	-100.0%	\$-	\$(0.0)	\$-	0%	0
030346	Bluefin tuna, frozen whole	\$-	-100.0%	-100.0%	\$(2.0)	\$(4.8)	\$-	0%	0
030349	Frozen tunas, nes	\$-	-100.0%	-100.0%	\$(0.0)	\$(0.0)	\$-	0%	0
030350	Herrings, frozen	\$0.0	7.9%	0.0%	\$0.0	\$0.0	\$2.92	0%	0
030360	Cod, frozen	\$0.0	22.2%	37.7%	\$0.0	\$0.0	\$3.08	-8%	0
030371	Sardines, frozen	\$0.0	2.8%	-8.4%	\$0.0	\$(0.0)	\$1.60	4%	0
030374	Mackerel, frozen	\$8.2	0.5%	-8.0%	\$0.4	\$(4.2)	\$0.80	-1%	0
030375	Sharks, whole frozen	\$1.8	-11.5%	-19.3%	\$(4.3)	\$(3.5)	\$2.71	1%	0
030376	Frozen eels	\$1.3	-8.4%	-7.3%	\$(1.8)	\$(0.6)	\$5.42	-1%	0
030377	Sea bass, frozen	\$-	0.0%	-100.0%	\$-	\$(0.0)	\$-	0%	0
030378	Hake, frozen	\$7.7	-10.1%	-4.8%	\$(14.6)	\$(2.2)	\$3.77	-1%	0
030379	Frozen fish, nes	\$218.2	4.0%	0.5%	\$71.0	\$5.1	\$2.00	4%	0
030380	Frozen fish livers and roes	\$10.6	4.0%	10.9%	\$3.4	\$4.3	\$4.31	4%	0
030410	Chilled fish fillets	\$11.7	9.3%	-1.5%	\$6.9	\$(0.9)	\$6.44	1%	0
030420	Frozen fish fillets	\$175.4	2.5%	3.5%	\$38.8	\$27.4	\$4.14	-1%	•
030490	Frozen fish meat	\$9.0	-14.0%	-24.0%	\$(31.7)	\$(26.7)	\$2.05	-3%	0
030510	Fish flours, meals & pellets	\$1.1	33.6%	14.6%	\$1.0	\$0.5	\$13.16	-8%	0
030520	Livers & roes of fish, dried/etc.	\$0.0	1.3%	280.5%	\$0.0	\$0.0	\$51.68	28%	•
030530	Fish fillets, dried/etc.	\$0.0	-42.0%	-59.0%	\$(0.1)	\$(0.0)	\$148.67	34%	0
030541	Salmon, smoked	\$3.2	0.2%	-4.9%	\$0.1	\$(0.9)	\$24.46	6%	0

03 Seafood

_ F	IS Code	Short Description	Exports US\$; 2016	10y CAGR Export value 06-16	5y CAGR Export value 11-16	10y ABS Exp. Growth 06-16	5y ABS Exp. Growth 11-16	Average export price US\$/kg; 16	10y CAGR unit price	SCORE
	030542	Herrings, smoked	\$0.0	0.0%	0.0%	\$0.0	\$0.0	\$5.75	0%	0
	030549	Smoked fish other	\$0.1	0.2%	-10.3%	\$0.0	\$(0.1)	\$10.05	11%	\circ
	030559	Dried fish	\$1.0	8.1%	-13.0%	\$0.6	\$(1.0)	\$11.05	-16%	\circ
	030562	Cod, salted	\$-	0.0%	-100.0%	\$-	\$(0.0)	\$-	0%	\circ
	030563	Anchovies, salted	\$0.0	8.9%	0.0%	\$0.0	\$0.0	\$7.65	-7%	\circ
	030569	Other fish salted	\$1.8	0.0%	348.3%	\$1.8	\$1.8	\$22.71	0%	•
	030611	Rock lobster	\$6.9	6.8%	13.5%	\$3.3	\$3.2	\$41.49	6%	•
	030613	Prawns, frozen	\$15.1	11.2%	-3.0%	\$9.9	\$(2.5)	\$22.38	7%	\circ
	030614	Crabs, frozen	\$0.0	-11.5%	-6.1%	\$(0.1)	\$(0.0)	\$5.04	2%	\circ
000	030619	Crustaceans nes, frozen	\$7.9	-3.0%	165.8%	\$(2.8)	\$7.9	\$22.74	2%	\circ
	030621	Rock Lobster, fresh	\$223.6	11.0%	5.6%	\$145.1	\$53.2	\$70.28	9%	•
	030623	Shrimps & prawns, not frozen	\$0.0	-19.0%	-36.0%	\$(0.0)	\$(0.0)	\$41.64	21%	\circ
	030624	Crabs, not frozen	\$-	-100.0%	-100.0%	\$(0.1)	\$(0.0)	\$-	0%	\circ
	030710	Oysters	\$15.9	3.2%	0.6%	\$4.2	\$0.5	\$9.93	6%	•
	030721	Scallops, chilled	\$0.0	-14.9%	-55.9%	\$(0.0)	\$(0.1)	\$8.39	1%	\circ
	030729	Scallops, frozen/etc.	\$0.5	-3.5%	8.9%	\$(0.2)	\$0.2	\$12.21	4%	\circ
	030731	Mussels, live	\$2.0	7.4%	19.9%	\$1.0	\$1.2	\$3.61	10%	•
	030739	Mussels (not-live)	\$179.5	4.7%	1.5%	\$66.2	\$13.1	\$5.22	5%	•
	030741	Cuttle fish, similar	\$0.2	29.3%	18.0%	\$0.2	\$0.1	\$6.77	9%	•
	030749	Squid (non-chilled)	\$81.0	0.6%	-0.4%	\$4.7	\$(1.8)	\$2.08	5%	\circ
	030751	Octopus, live/chilled	\$0.0	-14.0%	-38.2%	\$(0.0)	\$(0.0)	\$4.71	5%	\circ
	030759	Octopus, frozen, etc.	\$0.2	0.3%	-2.6%	\$0.0	\$(0.0)	\$6.14	7%	0
	030760	Snails	\$-	-100.0%	-100.0%	\$(0.0)	\$(0.0)	\$-	0%	\circ
	030791	Invertebrates nes., fresh	\$7.5	1.7%	9.4%	\$1.2	\$2.7	\$6.08	2%	•
	030799	Invertebrates nes	\$12.1	32.3%	5.6%	\$11.4	\$2.9	\$20.73	12%	•

HS Code	Short Description	Exports US\$; 2016	10y CAGR Export value 06-16	5y CAGR Export value 11-16	10y ABS Exp. Growth 06-16	5y ABS Exp. Growth 11-16	Average export price US\$/kg; 16	10y CAGR unit price	SCORE
040110	Low fat fluid milk	\$6.3	12.8%	11.7%	\$4.4	\$2.7	\$0.76	-1%	\circ
040120	Regular fluid milk	\$118.0	12.4%	7.1%	\$81.3	\$34.3	\$0.68	0%	•
040130	High fat fluid milk	\$169.0	27.6%	16.2%	\$154.2	\$89.3	\$2.40	5%	•
040210	SMP	\$878.8	2.9%	-7.2%	\$221.6	\$(394.8)	\$1.95	0%	0
040221	WMP	\$3,171.3	8.6%	-5.6%	\$1,776.2	\$(1,051.2)	\$2.33	1%	0
040229	Bulk IF; other sweet WMP	\$19.8	10.7%	15.2%	\$12.6	\$10.1	\$7.55	9%	•
040291	Unsweetened condensed	\$0.1	45.1%	4.1%	\$0.1	\$0.0	\$0.19	-25%	\circ
040299	Sweetened condensed	\$0.4	-19.9%	28.3%	\$(3.1)	\$0.3	\$0.74	-15%	\circ
040299 040310 040390	Yogurt	\$7.2	13.9%	23.1%	\$5.2	\$4.6	\$4.63	0%	•
	Buttermilk powder, other fermented	\$77.9	0.0%	-9.2%	\$(0.1)	\$(48.0)	\$1.81	0%	\circ
040410	Whey & modified whey	\$25.7	3.9%	-17.7%	\$8.1	\$(42.5)	\$1.55	-1%	\circ
	Natural milk constituent nes	\$419.4	3.3%	-3.0%	\$115.1	\$(69.4)	\$4.47	2%	0
	Butter	\$925.6	8.0%	-3.9%	\$498.2	\$(206.3)	\$3.11	7%	\circ
040520	Dairy spreads	\$6.3	-1.6%	-15.2%	\$(1.1)	\$(8.0)	\$3.02	8%	\bigcirc
040590	Other milk fats and oils	\$787.5	11.5%	-0.8%	\$523.4	\$(34.0)	\$3.41	6%	\bigcirc
040610	Fresh cheese	\$238.7	10.1%	8.5%	\$147.1	\$79.6	\$3.38	3%	•
040620	Grated or powdered cheese	\$180.9	11.3%	9.4%	\$118.8	\$65.6	\$3.84	2%	•
040630	Processed cheese	\$98.3	2.6%	0.5%	\$22.2	\$2.6	\$3.69	3%	•
040640	Blue-veined cheese	\$1.2	3.8%	-10.5%	\$0.4	\$(0.9)	\$9.06	5%	\circ
040690	Cheese, cheddar, etc.	\$687.7	1.9%	-0.5%	\$115.5	\$(17.8)	\$3.06	2%	\circ
040700	Eggs in shell	\$8.5	7.2%	5.2%	\$4.3	\$1.9	\$3.94	0%	0
040811	Egg yokes, dried	\$-	-100.0%	-100.0%	\$(0.0)	\$(0.0)	\$-	0%	\circ
040819	Egg yokes, liquid/frozen	\$0.0	0.0%	-14.4%	\$0.0	\$(0.1)	\$2.68	0%	0
040831	Sheep, chilled carcass	\$3.6	-5.1%	-14.9%	\$(2.5)	\$(4.4)	\$5.14	3%	0
040891	Eggs, dried	\$0.0	0.0%	0.0%	\$0.0	\$0.0	\$13.76	0%	0

	HS Code	Short Description	Exports US\$; 2016	10y CAGR Export value 06-16	5y CAGR Export value 11-16	10y ABS Exp. Growth 06-16	5y ABS Exp. Growth 11-16	Average export price US\$/kg; 16	10y CAGR unit price	SCORE
	040899	Eggs, liquid	\$0.3	-1.3%	1.0%	\$(0.0)	\$0.0	\$3.27	5%	0
a	040900	Honey	\$206.1	22.6%	18.8%	\$179.2	\$119.0	\$21.41	14%	•
ldib	041000	Other edible animal prod.	\$2.0	24.9%	17.1%	\$1.8	\$1.1	\$1.39	-27%	0
Animal, non-edible	051110	Bovine semen	\$3.7	8.3%	-2.6%	\$2.0	\$(0.5)	\$79.29	-15%	0
al, n	051191	Seafood unfit for human consumption	\$6.0	7.3%	0.9%	\$3.1	\$0.3	\$3.12	18%	•
nin' -	051199	Animal product unfit for human consumption	\$71.7	7.9%	3.5%	\$38.2	\$11.2	\$1.22	7%	•
05 A	070110	Seed potatoes	\$0.1	-4.7%	-13.9%	\$(0.1)	\$(0.1)	\$0.73	3%	0
0 _	070190	Potatoes	\$16.5	7.0%	1.7%	\$8.1	\$1.3	\$0.50	5%	0
_	070200	Tomatoes	\$7.1	0.7%	-10.0%	\$0.5	\$(4.9)	\$1.92	3%	0
S	070310	Onions	\$81.7	4.6%	-1.0%	\$29.4	\$(4.1)	\$0.43	2%	0
tube	070320	Garlic, fresh	\$1.5	7.0%	3.2%	\$0.7	\$0.2	\$2.31	5%	0
and tubers	070390	Leeks, etc.	\$0.4	15.1%	-10.6%	\$0.3	\$(0.3)	\$2.62	0%	0
ots a	070410	Cauli/broccoli, fresh	\$0.5	8.9%	-2.8%	\$0.3	\$(0.1)	\$1.90	1%	\circ
, Z	070420	Brussels sprouts, fresh	\$0.1	53.5%	-12.4%	\$0.1	\$(0.1)	\$9.47	16%	\circ
Vegetables, roots	070490	Cabbages, kohlrabi, kaleetc,	\$1.3	9.5%	7.7%	\$0.8	\$0.4	\$0.95	1%	\circ
geta	070511	Cabbage lettuce, fresh	\$0.3	8.6%	4.3%	\$0.2	\$0.1	\$2.43	8%	\circ
	070519	Lettuce, fresh	\$0.2	-7.2%	-22.0%	\$(0.2)	\$(0.4)	\$4.25	1%	\circ
07	070521	Witloof chicory, fresh	\$0.1	-1.8%	-22.6%	\$(0.0)	\$(0.3)	\$4.81	2%	\circ
	070529	Chicory, fresh	\$0.0	-4.6%	-17.1%	\$(0.0)	\$(0.0)	\$6.53	7%	\circ
	070610	Carrots	\$6.1	2.9%	-4.1%	\$1.5	\$(1.4)	\$0.45	0%	\circ
_	070690	Beetroot, radishes, etc.	\$0.5	3.3%	2.8%	\$0.1	\$0.1	\$0.47	-16%	0
	070700	Cucumbers, fresh	\$0.3	18.7%	-1.4%	\$0.2	\$(0.0)	\$3.99	5%	\circ
	070810	Peas, fresh	\$0.0	2.9%	-11.7%	\$0.0	\$(0.0)	\$7.34	3%	0
	070820	Beans, fresh	\$0.0	0.5%	-6.2%	\$0.0	\$(0.0)	\$3.58	14%	0
_	070890	Leguminous veg. nes, fresh	\$0.0	9.9%	-19.5%	\$0.0	\$(0.1)	\$5.45	1%	0

HS Code	Short Description	Exports US\$; 2016	10y CAGR Export value 06-16	5y CAGR Export value 11-16	10y ABS Exp. Growth 06-16	5y ABS Exp. Growth 11-16	Average export price US\$/kg; 16	10y CAGR unit price	SCORE
070910	Globe artichokes, fresh	\$0.0	-40.9%	0.0%	\$(0.0)	\$0.0	\$3.00	1%	\circ
070920	Asparagus	\$1.1	-7.1%	-14.6%	\$(1.2)	\$(1.3)	\$5.46	4%	\bigcirc
070930	Aubergines, fresh	\$0.0	21.0%	-12.5%	\$0.0	\$(0.0)	\$3.80	5%	\circ
070940	Celery, fresh	\$0.7	14.1%	11.5%	\$0.5	\$0.3	\$1.31	1%	\circ
070951	Mushrooms, fresh	\$0.8	-1.4%	-10.7%	\$(0.1)	\$(0.6)	\$7.03	6%	\circ
070959	Mushrooms not Agaricus, fresh	\$0.0	-3.4%	-9.7%	\$(0.0)	\$(0.0)	\$4.43	-1%	\circ
070960	Capsicum	\$21.0	0.1%	-5.0%	\$0.2	\$(6.2)	\$3.03	0%	0
070970	Spinach, fresh	\$0.1	10.2%	-3.7%	\$0.0	\$(0.0)	\$4.03	7%	\circ
070990	Other Vegetables	\$41.4	1.2%	-4.7%	\$4.7	\$(11.2)	\$0.46	1%	0
	Potatoes, frozen	\$0.7	25.6%	-1.7%	\$0.6	\$(0.1)	\$0.91	5%	0
071021	Frozen peas	\$35.6	2.7%	-4.0%	\$8.4	\$(8.1)	\$1.00	3%	\circ
071022	Frozen beans	\$6.1	6.5%	-10.4%	\$2.9	\$(4.5)	\$1.09	3%	0
	Leguminous veg. froz	\$0.0	-38.4%	0.0%	\$(0.3)	\$0.0	\$2.14	9%	0
071030	Spinach, frozen	\$0.9	-0.6%	-0.7%	\$(0.1)	\$(0.0)	\$1.57	1%	0
_	Frozen sweet corn	\$14.3	-5.1%	-6.2%	\$(9.8)	\$(5.4)	\$1.23	2%	\circ
071040 071080	Frozen vegetables nes	\$8.1	3.9%	5.5%	\$2.6	\$1.9	\$1.61	2%	0
٠.	Frozen mixed veg	\$21.5	-1.7%	-11.0%	\$(4.1)	\$(17.1)	\$1.33	2%	0
071120	Olives pres	\$0.0	0.0%	-15.0%	\$0.0	\$(0.0)	\$2.34	0%	\circ
071130	Capers pres	\$-	-100.0%	0.0%	\$(0.0)	\$-	\$-	0%	0
071140	Cucumbers pres	\$0.0	110.4%	-6.9%	\$0.0	\$(0.0)	\$1.28	9%	0
071159	Other mushrooms pres	\$0.0	-29.1%	12.2%	\$(0.0)	\$0.0	\$8.89	23%	0
071190	Other veg mix	\$0.2	16.3%	-26.8%	\$0.1	\$(0.6)	\$2.46	8%	0
071220	Dried onions	\$0.1	38.1%	53.3%	\$0.1	\$0.1	\$0.87	-7%	0
071231	Agaricus mushrooms dry	\$0.0	-21.3%	-14.7%	\$(0.0)	\$(0.0)	\$11.94	3%	0
071239	Truffles, dry	\$0.0	-43.7%	-25.6%	\$(0.2)	\$(0.0)	\$49.30	23%	0
071290	Dried veg nes	\$15.2	4.4%	2.7%	\$5.3	\$1.9	\$7.05	3%	•

_	HS Code	Short Description	Exports US\$; 2016	10y CAGR Export value 06-16	5y CAGR Export value 11-16	10y ABS Exp. Growth 06-16	5y ABS Exp. Growth 11-16	Average export price US\$/kg; 16	10y CAGR unit price	SCORE
	071310	Dried peas	\$24.7	5.3%	0.7%	\$10.0	\$0.8	\$1.49	3%	0
oers	071320	Dried chickpeas	\$0.0	-17.4%	25.1%	\$(0.0)	\$0.0	\$1.68	6%	0
d tul	071331	Dried beans	\$0.8	1.0%	369.5%	\$0.1	\$0.8	\$6.00	2%	•
s an	071332	Dried adzuki beans	\$0.0	0.0%	-33.3%	\$0.0	\$(0.0)	\$0.39	0%	0
roots and tubers	071333	Dried kidney beans	\$0.0	7.0%	-66.2%	\$0.0	\$(0.9)	\$2.83	11%	0
es, r	071339	Dried beans nes	\$0.0	8.2%	145.3%	\$0.0	\$0.0	\$1.18	1%	0
Vegetables,	071340	Dried lentils, shelled	\$0.0	-5.4%	26.0%	\$(0.0)	\$0.0	\$0.71	0%	0
/ege	071350	Dried broad beans	\$0.0	0.0%	-33.4%	\$0.0	\$(0.3)	\$1.32	0%	0
0 /	071390	Dried leguminous nes	\$-	-100.0%	-100.0%	\$(0.0)	\$(0.0)	\$-	0%	0
0 -	071410	Manioc dried	\$0.0	0.0%	5.9%	\$0.0	\$0.0	\$0.66	0%	0
	071420	Sweet potatoes	\$0.1	-7.6%	80.0%	\$(0.2)	\$0.1	\$2.62	6%	0
	071490	Roots and tubers dry	\$0.0	54.0%	-34.8%	\$0.0	\$(0.0)	\$1.10	-8%	0
	080111	Coconuts, dessicated, shelled	\$0.2	12.7%	6.4%	\$0.1	\$0.0	\$1.94	5%	0
	080119	Coconuts, fresh, shelled	\$0.0	7.1%	-25.7%	\$0.0	\$(0.1)	\$1.04	3%	0
	080121	Brazil nuts, in shell	\$0.0	-4.0%	0.0%	\$(0.0)	\$0.0	\$7.43	28%	0
ν	080122	Brazil nuts, shelled	\$0.1	65.9%	16.8%	\$0.1	\$0.1	\$9.29	2%	•
and nuts	080131	Cashew nuts, in shell	\$0.0	0.0%	3.3%	\$0.0	\$0.0	\$8.76	0%	0
and	080132	Cashew nuts, shelled	\$0.0	27.1%	-21.2%	\$0.0	\$(0.1)	\$10.10	2%	0
Fruit	080211	Almonds in shell	\$0.0	25.8%	2.8%	\$0.0	\$0.0	\$10.87	-3%	0
80	080212	Almonds shelled	\$0.3	38.7%	15.9%	\$0.3	\$0.1	\$9.56	12%	•
_	080221	Hazlenuts in shell	\$0.0	0.0%	0.0%	\$0.0	\$0.0	\$11.50	0%	0
_	080222	Hazlenuts shelled	\$0.1	41.2%	51.8%	\$0.1	\$0.0	\$9.19	1%	•
_	080231	Walnuts in shell	\$0.0	16.0%	-48.6%	\$0.0	\$(0.0)	\$9.26	50%	0
_	080232	Walnuts shelled	\$0.0	16.3%	-6.2%	\$0.0	\$(0.0)	\$6.71	-1%	0
	080240	Chestnuts	\$0.0	0.0%	-48.0%	\$0.0	\$(0.1)	\$5.08	0%	0

080250 Pistachio 080290 Other nut 080300 Bananas 080410 Dates 080420 Figs 080430 Pineapple 080440 Avocados 080450 Guavas, m 080510 Oranges	\$0.0 \$0.0 \$0.0	3 18.7% 0 38.8% 2 15.6%	60.3% -6.0% -15.7%	\$0.2 \$0.3 \$0.0	\$0.2 \$(0.1)	\$13.27 \$13.95	13%	•
080300 Bananas 080410 Dates 080420 Figs 080430 Pineapple 080440 Avocados 080450 Guavas, m 080510 Oranges	\$0.0 \$0.0 \$0.0	38.8% 2 15.6%		· · · · · · · · · · · · · · · · · · ·	\$(0.1)	\$13.95	130%	
080410 Dates 080420 Figs 080430 Pineapple 080440 Avocados 080450 Guavas, m 080510 Oranges	\$0. \$0.	2 15.6%	-15.7%	\$0.0			1370	\circ
080420 Figs 080430 Pineapple 080440 Avocados 080450 Guavas, m 080510 Oranges	\$0.0			ψ0.0	\$(0.0)	\$1.54	-3%	0
080430 Pineapple 080440 Avocados 080450 Guavas, m 080510 Oranges			19.2%	\$0.1	\$0.1	\$1.61	-1%	0
080440 Avocados 080450 Guavas, m 080510 Oranges	d0.1	10.6%	-13.3%	\$0.0	\$(0.0)	\$5.03	21%	0
080450 Guavas, m 080510 Oranges	.ο	13.5%	-21.6%	\$0.0	\$(0.1)	\$1.56	-1%	0
080510 Oranges	\$87.	7 12.5%	5.3%	\$60.8	\$20.0	\$3.39	3%	•
000530 M 1 :	nangoes etc. \$0.0	24.6%	10.7%	\$0.0	\$0.0	\$5.32	0%	•
080520 Mandarin	\$1.	24.9%	4.3%	\$1.7	\$0.4	\$1.37	4%	•
	ss, etc. \$1.	3 2.2%	-13.8%	\$0.3	\$(1.4)	\$2.99	3%	0
080520 Mandarin 080540 Grapefruit	t \$0.0	9.2%	-9.4%	\$0.0	\$(0.0)	\$1.77	4%	0
	Limes \$6.	2 13.0%	24.6%	\$4.4	\$4.1	\$1.82	4%	•
080590 Citrus frui	it nes \$0.0	0.0%	-60.5%	\$0.0	\$(0.0)	\$7.30	0%	0
080610 Fresh grap	pes \$0.	5 1.1%	-10.6%	\$0.1	\$(0.4)	\$3.17	0%	0
080620 Dried grap	pes \$0.	3 12.3%	15.9%	\$0.2	\$0.2	\$1.94	3%	\circ
080711 Watermel	lons, fresh \$0.	1 21.5%	-10.5%	\$0.1	\$(0.1)	\$1.37	3%	\circ
080719 Melons, fr	resh \$0.	-1.1%	-3.8%	\$(0.1)	\$(0.2)	\$3.45	3%	\circ
080720 Papaws (p	papayas) \$0.0	23.1%	-19.0%	\$0.0	\$(0.0)	\$3.26	5%	0
080810 Apples	\$494.	9.0%	11.6%	\$285.3	\$209.2	\$1.30	6%	•
080820 Pears	\$7.0	3.7%	1.6%	\$2.1	\$0.5	\$1.38	5%	0
080910 Apricots	\$4.	4.6%	-2.7%	\$1.7	\$(0.7)	\$3.46	3%	0
080920 Cherries	\$47.	5 25.6%	25.0%	\$42.8	\$32.0	\$11.79	6%	•
080930 Peaches/I	nectarines \$0.	5 7.0%	0.7%	\$0.2	\$0.0	\$4.25	9%	0
080940 Plums						- · · · · · · · · · · · · · · · · · · ·		
081010 Strawberr	\$0.	3 4.5%	0.8%	\$0.1	\$0.0	\$3.84	4%	0

_	HS Code	Short Description	Exports US\$; 2016	10y CAGR Export value 06-16	5y CAGR Export value 11-16	10y ABS Exp. Growth 06-16	5y ABS Exp. Growth 11-16	Average export price US\$/kg; 16	10y CAGR unit price	SCORE
	081020	Raspberries, etc.	\$0.0	-3.3%	-12.0%	\$(0.0)	\$(0.0)	\$17.38	9%	0
	081030	Currants etc.	\$-	-100.0%	0.0%	\$(0.0)	\$-	\$-	0%	0
	081040	Blueberries, etc.	\$25.1	11.5%	14.0%	\$16.7	\$12.1	\$12.48	4%	•
	081050	Kiwifruit	\$1,190.8	9.2%	7.6%	\$698.9	\$366.7	\$2.04	3%	•
S	081090	Other fruit nes	\$10.6	6.4%	7.0%	\$4.9	\$3.0	\$5.26	6%	•
Fruit and nuts	081110	Strawberries, frozen	\$0.1	3.3%	-1.7%	\$0.0	\$(0.0)	\$3.40	4%	0
and	081120	Blackberries, etc.	\$3.0	-10.5%	6.3%	\$(6.0)	\$0.8	\$2.13	-6%	0
ruit	081190	Other fruit, frozen	\$14.2	9.9%	10.0%	\$8.7	\$5.4	\$2.80	0%	0
08 F	081210	Cherries, pres	\$0.0	0.0%	42.3%	\$0.0	\$0.0	\$1.35	0%	0
0	081290	Fruit and nuts, pres	\$1.5	45.4%	106.2%	\$1.5	\$1.5	\$3.09	5%	•
	081310	Dried apricots	\$0.2	8.1%	-19.2%	\$0.1	\$(0.3)	\$2.96	2%	0
	081320	Dried prunes	\$0.0	17.1%	32.4%	\$0.0	\$0.0	\$3.63	0%	•
	081330	Dried apples	\$2.0	86.9%	5.9%	\$1.9	\$0.5	\$8.42	8%	•
	081340	Other dried fruit, nes	\$1.5	7.6%	23.4%	\$0.8	\$1.0	\$17.93	-3%	0
	081350	Dried fruit mix	\$0.4	-6.0%	-34.3%	\$(0.3)	\$(2.9)	\$4.19	-5%	0
	081400	Peel, citrus	\$0.0	-12.0%	115.2%	\$(0.1)	\$0.0	\$2.75	4%	0
	090111	Coffee, green	\$1.1	29.9%	9.4%	\$1.0	\$0.4	\$5.68	0%	0
ces	090112	Coffee, decafinated	\$0.1	32.8%	35.0%	\$0.1	\$0.1	\$4.06	-1%	0
l spices	090121	Coffee, roasted	\$1.7	12.8%	15.0%	\$1.2	\$0.9	\$7.53	4%	•
and	090122	Coffee, roasted decaf	\$0.1	17.8%	-2.9%	\$0.1	\$(0.0)	\$9.54	2%	0
, tea	090190	Coffee husts	\$0.0	-21.8%	-58.4%	\$(0.0)	\$(0.0)	\$8.27	0%	0
Coffee, .	090210	Green tea, retail	\$0.3	16.6%	36.2%	\$0.2	\$0.2	\$6.30	4%	•
	090220	Green tea	\$0.1	18.9%	29.5%	\$0.1	\$0.1	\$17.79	12%	•
60	090411	Black pepper, whole	\$0.2	35.5%	69.5%	\$0.2	\$0.2	\$11.18	7%	•
_	090412	Black pepper, ground	\$0.2	2.4%	7.7%	\$0.0	\$0.0	\$5.74	2%	0
_										

	HS Code	Short Description	Exports US\$; 2016	10y CAGR Export value 06-16	5y CAGR Export value 11-16	10y ABS Exp. Growth 06-16	5y ABS Exp. Growth 11-16	Average export price US\$/kg; 16	10y CAGR unit price	SCORE
IO Cereals O9 Coffee, tea and spices	090420	Paprika, etc.	\$0.0	18.6%	2.4%	\$0.0	\$0.0	\$8.41	11%	•
	090500	Vanilla	\$0.7	33.3%	19.8%	\$0.6	\$0.4	\$23.75	22%	•
	090610	Cinnamon, whole	\$0.0	19.9%	-43.2%	\$0.0	\$(0.1)	\$3.86	9%	0
	090620	Cinnamon, crushed	\$0.0	25.6%	-0.7%	\$0.0	\$(0.0)	\$8.49	12%	0
	090700	Cloves	\$0.0	24.6%	5.2%	\$0.0	\$0.0	\$4.57	5%	•
	090810	Nutmeg	\$0.0	-12.5%	-3.1%	\$(0.0)	\$(0.0)	\$22.71	12%	0
	090820	Mace	\$-	-100.0%	0.0%	\$(0.0)	\$-	\$-	0%	0
	090830	Cardamoms	\$0.0	0.0%	15.0%	\$0.0	\$0.0	\$14.52	0%	0
	090910	Seeds of anise or badian	\$0.1	0.0%	300.9%	\$0.1	\$0.1	\$8.77	0%	•
	090920	Seeds of coriander	\$0.1	-0.8%	3.3%	\$(0.0)	\$0.0	\$1.85	3%	0
	090930	Seeds of cumin	\$0.0	50.5%	46.3%	\$0.0	\$0.0	\$2.39	-9%	0
	090940	Seeds of caraway	\$-	-100.0%	0.0%	\$(0.0)	\$-	\$-	0%	0
	090950	Seeds of fennel; juniper berries	\$-	-100.0%	-100.0%	\$(0.0)	\$(0.0)	\$-	0%	0
	091010	Ginger	\$0.2	26.0%	-6.1%	\$0.2	\$(0.1)	\$3.57	2%	0
	091020	Saffron	\$0.0	-2.7%	-31.4%	\$(0.0)	\$(0.1)	\$395.46	1%	0
	091030	Turmeric (curcuma)	\$0.0	22.8%	32.3%	\$0.0	\$0.0	\$3.36	40%	•
	091040	Thyme, bay leaves	\$-	-100.0%	0.0%	\$(0.0)	\$-	\$-	0%	0
	091050	Curry	\$-	-100.0%	0.0%	\$(0.1)	\$-	\$-	0%	0
	091091	Spice mixtures	\$0.1	32.8%	-4.0%	\$0.1	\$(0.0)	\$4.25	-2%	0
	091099	Other spices, nes	\$0.2	1.1%	-0.9%	\$0.0	\$(0.0)	\$6.38	5%	0
	100110	Durum wheat	\$0.0	0.0%	-44.9%	\$0.0	\$(0.0)	\$0.41	0%	0
	100190	Wheat	\$0.1	-6.8%	-3.6%	\$(0.1)	\$(0.0)	\$1.02	13%	0
	100200	Rye	\$0.0	59.6%	76.7%	\$0.0	\$0.0	\$1.22	28%	•
	100300	Barley	\$0.2	-5.6%	-0.4%	\$(0.1)	\$(0.0)	\$2.24	19%	0
	100400	Oats	\$0.3	60.6%	91.4%	\$0.3	\$0.3	\$1.54	9%	•

HS Code	Short Description	Exports US\$; 2016	10y CAGR Export value 06-16	5y CAGR Export value 11-16	10y ABS Exp. Growth 06-16	5y ABS Exp. Growth 11-16	Average export price US\$/kg; 16	10y CAGR unit price	SCORE
100510	Maize seed	\$17.5	37.0%	34.0%	\$16.7	\$13.4	\$6.90	14%	•
100590	Maize (x seed)	\$0.8	22.4%	-10.6%	\$0.7	\$(0.6)	\$0.31	2%	\circ
100610	Paddy rice	\$0.0	-29.9%	-45.4%	\$(0.0)	\$(0.0)	\$2.47	-1%	0
100620	Husked rice	\$0.0	14.7%	-37.8%	\$0.0	\$(0.0)	\$1.82	3%	0
100620	Milled rice	\$0.3	5.2%	-11.1%	\$0.1	\$(0.2)	\$0.94	4%	\circ
100640	Broken rice	\$0.0	-27.4%	1.8%	\$(0.1)	\$0.0	\$1.17	-11%	\circ
100700	Grain sorghum	\$0.0	0.0%	-6.0%	\$0.0	\$(0.0)	\$1.92	0%	\circ
100810	Buckwheat	\$0.1	-3.5%	-29.3%	\$(0.1)	\$(0.6)	\$1.08	3%	\circ
100820	Millet	\$0.0	-30.1%	-37.4%	\$(0.0)	\$(0.0)	\$2.03	-17%	0
100830	Canary seed	\$0.0	-50.2%	0.0%	\$(0.2)	\$0.0	\$1.05	9%	0
100890	Other cereal, nes	\$0.1	15.8%	-8.6%	\$0.1	\$(0.0)	\$2.09	-2%	0
110100	Wheat flour	\$0.9	10.1%	-1.4%	\$0.5	\$(0.1)	\$0.57	3%	0
110210	Rye flour	\$-	-100.0%	-100.0%	\$(0.0)	\$(0.0)	\$-	0%	0
110220	Maize flour	\$1.2	-0.2%	-18.4%	\$(0.0)	\$(2.1)	\$0.71	2%	0
110230	Rice flour	\$-	-100.0%	0.0%	\$(0.0)	\$-	\$-	0%	0
	Other cereal flour, nes	\$0.7	36.9%	26.6%	\$0.6	\$0.5	\$0.54	0%	0
110311	Wheat groats/meal	\$0.0	0.0%	220.3%	\$0.0	\$0.0	\$2.42	0%	0
110313	Maize groats/meal	\$2.2	16.8%	1.7%	\$1.7	\$0.2	\$0.57	3%	0
110319	Other groats/meal	\$0.1	-2.4%	-9.0%	\$(0.0)	\$(0.0)	\$9.84	10%	0
110320	Cereal pellets	\$0.4	0.0%	360.9%	\$0.4	\$0.4	\$0.33	0%	0
110412	Rolled oats	\$0.3	38.0%	39.0%	\$0.3	\$0.2	\$1.63	3%	•
110419	Rolled other cereals, nes	\$0.1	-12.4%	-0.4%	\$(0.1)	\$(0.0)	\$5.04	26%	0
110422	Worked oats, nes	\$0.0	5.4%	0.0%	\$0.0	\$0.0	\$3.66	0%	0
110423	Worked maize, nes	\$0.1	19.9%	43.1%	\$0.1	\$0.1	\$1.12	0%	•
110429	Worked other cereals, nes	\$2.2	13.3%	0.7%	\$1.6	\$0.1	\$1.69	0%	0

	HS Code	Short Description	Exports US\$; 2016	10y CAGR Export value 06-16	5y CAGR Export value 11-16	10y ABS Exp. Growth 06-16	5y ABS Exp. Growth 11-16	Average export price US\$/kg; 16	10y CAGR unit price	SCORE
	110430	Cereal germ	\$0.1	0.0%	339.0%	\$0.1	\$0.1	\$18.49	0%	•
	110510	Potato flour	\$0.0	38.8%	-33.3%	\$0.0	\$(0.0)	\$3.44	12%	0
	110520	Potato flakes	\$0.0	-31.0%	-37.6%	\$(0.0)	\$(0.0)	\$1.69	-2%	0
e e	110610	Legume flour/meal	\$0.0	6.9%	-11.5%	\$0.0	\$(0.0)	\$3.51	18%	0
, other _	110620	Sago flour/meal	\$0.0	38.8%	11.1%	\$0.0	\$0.0	\$1.48	5%	•
cereals,	110630	Flour, meal chapter 8	\$0.5	25.1%	82.1%	\$0.4	\$0.4	\$21.20	37%	•
cer	110710	Malt unroasted	\$0.6	-1.5%	69.6%	\$(0.1)	\$0.5	\$0.69	8%	0
Milled	110720	Roasted malt	\$1.0	30.9%	-8.0%	\$0.9	\$(0.5)	\$0.84	8%	0
	110811	Wheat starch	\$0.0	57.9%	-7.7%	\$0.0	\$(0.0)	\$1.87	20%	0
= =	110812	Maize starch	\$3.9	28.6%	66.6%	\$3.6	\$3.6	\$0.73	-7%	0
	110813	Potato starch	\$1.8	66.6%	-2.2%	\$1.8	\$(0.2)	\$0.71	3%	0
	110814	Manioc starch	\$0.0	92.6%	16.6%	\$0.0	\$0.0	\$1.04	-4%	0
	110819	Other starches, nes	\$0.0	-23.3%	-59.3%	\$(0.2)	\$(1.4)	\$1.38	-2%	0
	110820	Inulin	\$-	-100.0%	0.0%	\$(0.0)	\$-	\$-	0%	0
	110900	Wheat gluten	\$0.0	-10.0%	-3.6%	\$(0.0)	\$(0.0)	\$1.61	-10%	0
	120100	Soya beans	\$0.0	2.7%	-24.0%	\$0.0	\$(0.0)	\$1.55	7%	0
ij _	120210	Ground-nuts in shell, unroasted	\$0.0	-52.5%	-59.5%	\$(0.0)	\$(0.0)	\$8.50	27%	0
us tr	120220	Shelled ground-nuts, unroasted	\$0.0	0.3%	15.7%	\$0.0	\$0.0	\$1.51	3%	0
gino	120300	Copra	\$-	-100.0%	0.0%	\$(0.0)	\$-	\$-	0%	0
oleaginous fruit	120400	Linseed	\$0.7	8.5%	-4.3%	\$0.4	\$(0.2)	\$1.22	6%	0
る	120510	Low erucic acid rape seeds	\$0.9	27.5%	45.4%	\$0.8	\$0.7	\$2.60	6%	•
seeds	120590	Rape/colza seeds	\$2.2	0.9%	-0.1%	\$0.2	\$(0.0)	\$2.53	2%	0
oil s —	120600	Sunflower seeds	\$0.0	-6.3%	-39.9%	\$(0.0)	\$(0.1)	\$2.49	5%	0
_ 12	120740	Sesamum seeds	\$0.1	6.9%	12.8%	\$0.0	\$0.0	\$2.76	8%	0
_	120750	Mustard seeds	\$0.6	2.3%	-8.4%	\$0.1	\$(0.4)	\$2.39	0%	0

120797 Poppy seeds \$0.0 23.4% 4.2% \$0.0 \$0.0 \$3.81 8% 1 120797 Other oil seed forwards \$0.2 5.7% 7.4% \$0.2 \$0.01 \$155 4.4% \$0.0 \$0.0 \$0.00	HS Code	Short Description	Exports US\$; 2016	10y CAGR Export value 06-16	5y CAGR Export value 11-16	10y ABS Exp. Growth 06-16	5y ABS Exp. Growth 11-16	Average export price US\$/kg; 16	10y CAGR unit price	SCORE
120810 Soya bean flour/meal \$0.1 43.6% -17.3% \$0.1 \$(0.2) \$0.60 -2% ○ 120890 Other oil seed flours \$0.3 126.4% 84.0% \$0.3 \$0.3 \$0.65 ○ % 120910 Sugar bets seed \$0.0 0.0% 0.0% \$0.0 \$0.0 \$26.11 ○ % 120921 Lucerne seed \$0.0 115.8% -15.9% \$0.0 \$(0.0) \$3.75 -7% ○ 120922 Clover seed \$13.7 -0.4% 4.4% \$(0.6) \$2.7 \$4.56 2% ○ 120925 Rye grass seed \$3.0 4.4% -5.0% \$10.7 \$(8.9) \$1.97 5% ○ 120929 Other forage seeds \$3.0 4.4% -5.0% \$10.7 \$(8.9) \$1.97 5% ○ 120929 Other forage seeds \$9.4 5.1% 15.1% \$3.7 \$4.8 \$5.76 5% ○ 120930 Seeds of herbaceous plants \$0.4 -6.9% -3.8% \$5(0.4) \$0.01 \$18.49 6% ○ 120990 Other seeds, fruit and spores \$6.6 6.9% 3.2% \$1.00 \$3.25 \$1.35 2% ○ 121010 Hop cones, ground \$4.47 47.3% 21.9% \$0.0 \$0.0 \$1.35 3.3% ○ 121120 Ginseng roots \$5.0 -100.0% -0.0% \$0.00 \$5(0.1) \$1.178 -1% ○ 121120 Ginseng roots \$5.0 -100.0% -0.0% \$0.0 \$0.0 \$7.91 -3% ○ 121120 Other plants, perfumery \$2.0 -2.6% -0.8% \$0.0 \$0.0 \$0.0 \$7.91 -3% ○ 121120 Courst beans \$0.0 35.8% 0.0% \$0.0 \$0.0 \$7.91 -3% ○ 121120 Courst beans \$0.0 35.8% 0.0% \$0.0 \$0.0 \$7.91 -3% ○ 121120 Courst beans \$0.0 35.8% 0.0% \$0.0 \$0.0 \$7.91 -3% ○ 121120 Courst beans \$0.0 -3.6% -2.2% \$0.0 \$0.0 \$7.91 -3% ○ 121120 Courst beans \$0.0 -3.6% -2.2% \$0.0 \$0.0 \$7.91 -3% ○ 121120 Courst beans \$0.0 -3.6% -2.2% \$0.0 \$0.0 \$7.91 -3% ○ 121120 Courst beans \$0.0 -3.6% -2.2% \$0.0 \$0.0 \$0.0 \$7.91 -3% ○ 121120 Courst beans \$0.0 -3.6% -2.2% \$0.0 \$0.0 \$0.0 \$7.91 -3% ○ 121120 Courst beans \$0.0 -3.6% -2.2% \$0.0 \$0.0 \$0.0 \$7.91 -3% ○ 121120 Courst beans \$0.0 -3.6% -2.2% \$0.0 \$0.0	120791	Poppy seeds	\$0.0	23.4%	4.2%	\$0.0	\$0.0	\$3.81	8%	•
120890 Other oil seed flours \$0.3 126.4% \$4.0% \$0.3 \$0.3 \$0.65 0%	120799	Other oil seeds/fruits nes	\$0.2	-5.7%	-7.4%	\$(0.2)	\$(0.1)	\$1.55	-4%	\circ
120910 Sugar beet seed \$0.0 0.0% 0.0% \$0.0 \$0.0 \$26.11 0% 0 120921 Lucerne seed \$0.0 115.8% -15.9% \$0.0 \$0.0 \$3.75 -7% 0 120922 Clover seed \$13.7 -0.4% 4.4% \$0.6 \$2.7 \$4.56 2% 0 120923 Fescue seed \$3.7 77% 19.1% \$5.00 \$2.0 \$2.2 \$2.10 2% 0 120925 Rye grass seed \$3.06 4.4% -5.0% \$10.7 \$8.89 \$1.97 5% 0 120929 Other forage seeds \$9.4 5.1% 15.1% \$3.7 \$4.8 \$5.76 5% 0 120939 Seeds of herbaceous plants \$0.4 -6.9% -3.8% \$0.04 \$0.1 \$18.49 6% 0 120990 Vegetable seed \$4.72 6.0% 1.7% \$20.9 \$3.8 \$5.13 2% 0 120990 Other seeds, fruit and spores \$6.6 6.9% 3.2% \$3.2 \$1.0 \$4.23 3% 0 121010 Hop cones \$0.4 47.3% 21.9% \$0.4 \$0.2 \$13.52 -3% 0 121020 Hop cones, ground \$5. 100.0% 0.0% \$0.2 \$13.52 -3% 0 121100 Other plants, perfumery \$2.0 -2.6% -0.8% \$0.00 \$0.01 \$11.78 1.9% 0 12110 Other plants, perfumery \$2.0 -2.6% -0.8% \$0.0 \$0.0 \$0.0 \$7.91 -3% 0 12120 Seaweds/ other algae \$1.0 13.3% -2.2% \$0.0 \$0.0 \$0.0 \$7.91 -3% 0 12120 Cereal straw \$0.0 -6.6% -21.9% \$0.0 \$0.0 \$0.0 \$7.23 30% 0 12140 Lucerne meal/pellets \$0.0 -3.26% -12.2% \$0.0 \$0.0 \$0.0 \$0.2 \$0.63 8% 0 12140 Lucerne meal/pellets \$0.0 -3.26% -12.2% \$0.0	120810	Soya bean flour/meal	\$0.1	43.6%	-17.3%	\$0.1	\$(0.2)	\$0.60	-2%	0
120921 Lucerne seed \$0.0 115.8% -15.9% \$0.0 \$0.0 \$3.75 -7% ○ 120922 Clover seed \$13.7 -0.4% 4.4% \$(0.6) \$2.7 \$4.56 2% ○ 120923 Fescue seed \$3.7 7.7% 19.1% \$2.0 \$2.2 \$2.10 2% ○ 120925 Rye grass seed \$30.6 4.4% -5.0% \$10.7 \$(8.9) \$1.97 5% ○ 120929 Other forage seeds \$9.4 5.1% 15.1% \$3.7 \$4.8 \$5.76 5% ○ 120930 Seeds of herbaceous plants \$0.4 -6.9% -3.8% \$(0.4) \$(0.1) \$18.49 6% ○ 120991 Vegetable seed \$47.2 6.0% 1.7% \$20.9 \$3.8 \$5.13 2% ○ 120999 Other seeds, fruit and spores \$6.6 6.9% 3.2% \$3.2 \$1.0 \$4.23 3% ○ 121010 Hop cones, ground \$5. 100.0% 0.0% \$(2.2) \$5. \$5. 0% ○ 121102 Ginseng roots \$5. 100.0% -100.0% \$(0.0) \$(0.1) \$11.78 13% ○ 1211010 Other plants, perfumery \$2.0 -2.6% -0.8% \$(0.6) \$(0.1) \$11.78 13% ○ 121120 Seaweeds/other algae \$1.0 13.3% -2.2% \$0.7 \$(0.1) \$11.11 31% ○ 12120 Seaweeds/other algae \$1.0 13.3% -2.2% \$0.7 \$(0.1) \$11.11 31% ○ 12120 Cereal straw \$0.0 -6.6% -21.9% \$(0.0) \$(0.1) \$0.44 -1.2% ○ 121400 Lucerne has/pellets \$0.0 -32.6% -12.9% \$0.0% \$0.0 \$5.00 \$7.23 30% ○ 121400 Lucerne has/pellets \$0.0 -42.6% -0.9% \$3.37 \$(0.0) \$0.0 \$4.69 17% ○	120890	Other oil seed flours	\$0.3	126.4%	84.0%	\$0.3	\$0.3	\$0.65	0%	0
120922 Clover seed	120910	Sugar beet seed	\$0.0	0.0%	0.0%	\$0.0	\$0.0	\$26.11	0%	0
120922 Clover seed	120921	Lucerne seed	\$0.0	115.8%	-15.9%	\$0.0	\$(0.0)	\$3.75	-7%	0
12092 Other forage seeds \$9.4 \$5.1% 15.1% \$3.7 \$4.8 \$5.76 \$5% ¶ 12093 Seeds of herbaceous plants \$0.4 -6.9% -3.8% \$(0.4) \$(0.1) \$18.49 6% ○ 12099 Vegetable seed \$47.2 6.0% 1.7% \$20.9 \$3.8 \$5.13 2% ¶ 12099 Other seeds, fruit and spores \$6.6 6.9% 3.2% \$3.2 \$1.0 \$4.23 3% ○ 121010 Hop cones \$0.4 47.3% 21.9% \$0.4 \$0.2 \$13.52 -3% ¶ 12102 Hop cones, ground \$- -100.0% 0.0% \$(2.2) \$- \$- \$- 0% ○ 121120 Ginseng roots \$- -100.0% -100.0% \$(0.0) \$(0.1) \$- 0% ○ 121120 Other plants, perfumery \$2.0 -2.6% -0.8% \$(0.6) \$(0.1) \$11.78 -1% ○ 12120 Locust beans \$0.0 35.8% 0.0% \$0.0 \$0.0 \$7.91 -3% ○ 121220 Seaweeds/other algae \$1.0 13.3% -2.2% \$0.7 \$(0.1) \$11.11 31% ○ 12129 Other vegetable prod \$0.9 5.5% 5.7% \$0.4 \$0.2 \$47.60 -6% ○ 12130 Cereal straw \$0.0 -6.6% -21.9% \$(0.0) \$(0.1) \$0.44 -12% ○ 121410 Lucerne meal/pellets \$0.0 -32.6% -12.2% \$(1.5) \$(0.0) \$7.23 30% ○ 121490 Lucerne hay, etc. \$3.9 40.3% -0.9% \$3.7 \$(0.0) \$0.0 \$2.69 17% ○	120922	Clover seed	\$13.7	-0.4%	4.4%	\$(0.6)	\$2.7	\$4.56	2%	0
12092 Other forage seeds \$9.4 \$5.1% 15.1% \$3.7 \$4.8 \$5.76 \$5% ¶ 12093 Seeds of herbaceous plants \$0.4 -6.9% -3.8% \$(0.4) \$(0.1) \$18.49 6% ○ 12099 Vegetable seed \$47.2 6.0% 1.7% \$20.9 \$3.8 \$5.13 2% ¶ 12099 Other seeds, fruit and spores \$6.6 6.9% 3.2% \$3.2 \$1.0 \$4.23 3% ○ 121010 Hop cones \$0.4 47.3% 21.9% \$0.4 \$0.2 \$13.52 -3% ¶ 12102 Hop cones, ground \$- -100.0% 0.0% \$(2.2) \$- \$- \$- 0% ○ 121120 Ginseng roots \$- -100.0% -100.0% \$(0.0) \$(0.1) \$- 0% ○ 121120 Other plants, perfumery \$2.0 -2.6% -0.8% \$(0.6) \$(0.1) \$11.78 -1% ○ 12120 Locust beans \$0.0 35.8% 0.0% \$0.0 \$0.0 \$7.91 -3% ○ 121220 Seaweeds/other algae \$1.0 13.3% -2.2% \$0.7 \$(0.1) \$11.11 31% ○ 12129 Other vegetable prod \$0.9 5.5% 5.7% \$0.4 \$0.2 \$47.60 -6% ○ 12130 Cereal straw \$0.0 -6.6% -21.9% \$(0.0) \$(0.1) \$0.44 -12% ○ 121410 Lucerne meal/pellets \$0.0 -32.6% -12.2% \$(1.5) \$(0.0) \$7.23 30% ○ 121490 Lucerne hay, etc. \$3.9 40.3% -0.9% \$3.7 \$(0.0) \$0.0 \$2.69 17% ○	120923	Fescue seed	\$3.7	7.7%	19.1%	\$2.0	\$2.2	\$2.10	2%	0
12099 Other forage seeds	120925	Rye grass seed	\$30.6	4.4%	-5.0%	\$10.7	\$(8.9)	\$1.97	5%	0
12099 Vegetable seed \$47.2 6.0% 1.7% \$20.9 \$3.8 \$5.13 2% 1 12099 Other seeds, fruit and spores \$6.6 6.9% 3.2% \$3.2 \$1.0 \$4.23 3% 121010 Hop cones \$0.4 47.3% 21.9% \$0.4 \$0.2 \$13.52 -3% 1 121020 Hop cones, ground \$- -100.0% 0.0% \$(2.2) \$- \$- \$- 0% 121120 Ginseng roots \$- -100.0% -100.0% \$(0.0) \$(0.1) \$- 0% 121190 Other plants, perfumery \$2.0 -2.6% -0.8% \$(0.6) \$(0.1) \$11.78 -1% 121210 Locust beans \$0.0 35.8% 0.0% \$0.0 \$0.0 \$7.91 -3% 121220 Seaweeds/other algae \$1.0 13.3% -2.2% \$0.7 \$(0.1) \$11.11 31% 12129 Other vegetable prod \$0.9 5.5% 5.7% \$0.4 \$0.2 \$47.60 -6% 121300 Cereal straw \$0.0 -6.6% -21.9% \$(0.0) \$(0.1) \$0.44 -12% 121410 Lucerne meal/pellets \$0.0 -32.6% -12.2% \$(1.5) \$(0.0) \$7.23 30% 121490 Lucerne hay, etc. \$3.9 40.3% -0.9% \$3.7 \$(0.2) \$0.63 8%		Other forage seeds	\$9.4	5.1%	15.1%	\$3.7	\$4.8	\$5.76	5%	•
12099 Vegetable seed \$47.2 6.0% 1.7% \$20.9 \$3.8 \$5.13 2% 1 12099 Other seeds, fruit and spores \$6.6 6.9% 3.2% \$3.2 \$1.0 \$4.23 3% 121010 Hop cones \$0.4 47.3% 21.9% \$0.4 \$0.2 \$13.52 -3% 1 121020 Hop cones, ground \$- -100.0% 0.0% \$(2.2) \$- \$- \$- 0% 121120 Ginseng roots \$- -100.0% -100.0% \$(0.0) \$(0.1) \$- 0% 121190 Other plants, perfumery \$2.0 -2.6% -0.8% \$(0.6) \$(0.1) \$11.78 -1% 121210 Locust beans \$0.0 35.8% 0.0% \$0.0 \$0.0 \$7.91 -3% 121220 Seaweeds/other algae \$1.0 13.3% -2.2% \$0.7 \$(0.1) \$11.11 31% 12129 Other vegetable prod \$0.9 5.5% 5.7% \$0.4 \$0.2 \$47.60 -6% 121300 Cereal straw \$0.0 -6.6% -21.9% \$(0.0) \$(0.1) \$0.44 -12% 121410 Lucerne meal/pellets \$0.0 -32.6% -12.2% \$(1.5) \$(0.0) \$7.23 30% 121490 Lucerne hay, etc. \$3.9 40.3% -0.9% \$3.7 \$(0.2) \$0.63 8%	120930	Seeds of herbaceous plants	\$0.4	-6.9%	-3.8%	\$(0.4)	\$(0.1)	\$18.49	6%	0
121010 Hop cones \$0.4 47.3% 21.9% \$0.4 \$0.2 \$13.52 -3% 121020 Hop cones, ground \$100.0% 0.0% \$(2.2) \$- \$- \$- 0% 0.2		Vegetable seed	\$47.2	6.0%	1.7%	\$20.9	\$3.8	\$5.13	2%	•
121020 Hop cones, ground \$- -100.0% 0.0% \$(2.2) \$- \$- 0% 0 121120 Ginseng roots \$- -100.0% -100.0% \$(0.0) \$(0.1) \$- 0% 0 121190 Other plants, perfumery \$2.0 -2.6% -0.8% \$(0.6) \$(0.1) \$11.78 -1% 0 121210 Locust beans \$0.0 35.8% 0.0% \$0.0 \$0.0 \$7.91 -3% 0 121220 Seaweeds/other algae \$1.0 13.3% -2.2% \$0.7 \$(0.1) \$11.11 31% 0 121299 Other vegetable prod \$0.9 5.5% 5.7% \$0.4 \$0.2 \$47.60 -6% 0 121300 Cereal straw \$0.0 -6.6% -21.9% \$(0.0) \$(0.1) \$0.44 -12% 0 121410 Lucerne meal/pellets \$0.0 -32.6% -12.2% \$(1.5) \$(0.0) \$7.23 30% 0	120999	Other seeds, fruit and spores	\$6.6	6.9%	3.2%	\$3.2	\$1.0	\$4.23	3%	0
121120 Ginseng roots \$- -100.0% \$(0.0) \$(0.1) \$- 0% 0% 121190 Other plants, perfumery \$2.0 -2.6% -0.8% \$(0.6) \$(0.1) \$11.78 -1% 0 121210 Locust beans \$0.0 35.8% 0.0% \$0.0 \$0.0 \$7.91 -3% 0 121220 Seaweeds/other algae \$1.0 13.3% -2.2% \$0.7 \$(0.1) \$11.11 31% 0 121299 Other vegetable prod \$0.9 5.5% 5.7% \$0.4 \$0.2 \$47.60 -6% 0 121300 Cereal straw \$0.0 -6.6% -21.9% \$(0.0) \$(0.1) \$0.44 -12% 0 121410 Lucerne meal/pellets \$0.0 -32.6% -12.2% \$(1.5) \$(0.0) \$7.23 30% 0 121490 Lucerne hay, etc. \$3.9 40.3% -0.9% \$3.7 \$(0.2) \$0.63 8% 0 150100 Animal fat \$0.0 -42.6% 0.0% \$(0.0) \$0.0 \$2.69 17% 0	121010	Hop cones	\$0.4	47.3%	21.9%	\$0.4	\$0.2	\$13.52	-3%	•
121190 Other plants, perfumery \$2.0 -2.6% -0.8% \$(0.6) \$(0.1) \$11.78 -1%	121020	Hop cones, ground	\$-	-100.0%	0.0%	\$(2.2)	\$-	\$-	0%	0
121210 Locust beans \$0.0 35.8% 0.0% \$0.0 \$0.0 \$7.91 -3% 0 121220 Seaweeds/other algae \$1.0 13.3% -2.2% \$0.7 \$(0.1) \$11.11 31% 0 121299 Other vegetable prod \$0.9 5.5% 5.7% \$0.4 \$0.2 \$47.60 -6% 0 121300 Cereal straw \$0.0 -6.6% -21.9% \$(0.0) \$(0.1) \$0.44 -12% 0 121410 Lucerne meal/pellets \$0.0 -32.6% -12.2% \$(1.5) \$(0.0) \$7.23 30% 0 121490 Lucerne hay, etc. \$3.9 40.3% -0.9% \$3.7 \$(0.2) \$0.63 8% 0 150100 Animal fat \$0.0 -42.6% 0.0% \$(0.0) \$0.0 \$2.69 17% 0	121120	Ginseng roots	\$-	-100.0%	-100.0%	\$(0.0)	\$(0.1)	\$-	0%	0
121220 Seaweeds/other algae \$1.0 13.3% -2.2% \$0.7 \$(0.1) \$11.11 31%	121190	Other plants, perfumery	\$2.0	-2.6%	-0.8%	\$(0.6)	\$(0.1)	\$11.78	-1%	0
121299 Other vegetable prod \$0.9 5.5% 5.7% \$0.4 \$0.2 \$47.60 -6%	121210	Locust beans	\$0.0	35.8%	0.0%	\$0.0	\$0.0	\$7.91	-3%	0
121300 Cereal straw \$0.0 -6.6% -21.9% \$(0.0) \$(0.1) \$0.44 -12% \$(0.1)	121220	Seaweeds/other algae	\$1.0	13.3%	-2.2%	\$0.7	\$(0.1)	\$11.11	31%	0
121410 Lucerne meal/pellets \$0.0 -32.6% -12.2% \$(1.5) \$(0.0) \$7.23 30%	121299	Other vegetable prod	\$0.9	5.5%	5.7%	\$0.4	\$0.2	\$47.60	-6%	0
121490 Lucerne hay, etc. \$3.9 40.3% -0.9% \$3.7 \$(0.2) \$0.63 8%	121300	Cereal straw	\$0.0	-6.6%	-21.9%	\$(0.0)	\$(0.1)	\$0.44	-12%	0
150100 Animal fat \$0.0 -42.6% 0.0% \$(0.0) \$0.0 \$2.69 17%	121410	Lucerne meal/pellets	\$0.0	-32.6%	-12.2%	\$(1.5)	\$(0.0)	\$7.23	30%	0
	121490	Lucerne hay, etc.	\$3.9	40.3%	-0.9%	\$3.7	\$(0.2)	\$0.63	8%	0
150200 Animal fats \$92.5 4.5% -6.3% \$33.0 \$(35.5) \$0.56 4%	150100	Animal fat	\$0.0	-42.6%	0.0%	\$(0.0)	\$0.0	\$2.69	17%	0
	150200	Animal fats	\$92.5	4.5%	-6.3%	\$33.0	\$(35.5)	\$0.56	4%	0

HS Code	Short Description	Exports US\$; 2016	10y CAGR Export value 06-16	5y CAGR Export value 11-16	10y ABS Exp. Growth 06-16	5y ABS Exp. Growth 11-16	Average export price US\$/kg; 16	10y CAGR unit price	SCORE
150300	Lard stearin, etc.	\$0.0	-2.1%	-73.5%	\$(0.0)	\$(6.1)	\$1.40	10%	0
150410	Fish-liver oils	\$1.2	-1.5%	-9.3%	\$(0.2)	\$(0.8)	\$12.04	3%	\circ
150420	Fish fats	\$6.6	13.0%	10.1%	\$4.6	\$2.5	\$1.61	10%	•
150500	Lanolin	\$0.0	-13.5%	-32.1%	\$(0.0)	\$(0.0)	\$16.83	7%	\circ
150600	Animal fat, fractions	\$2.4	31.5%	82.5%	\$2.3	\$2.3	\$0.81	0%	•
150710	Crude soya-bean oil	\$0.0	0.0%	22.5%	\$0.0	\$0.0	\$1.38	0%	\circ
150790	Soya-bean oil	\$0.0	-21.7%	-48.0%	\$(0.4)	\$(0.9)	\$0.97	6%	\circ
150810	Crude ground-nut oil	\$0.0	0.0%	34.6%	\$0.0	\$0.0	\$1.40	0%	\circ
150890	Ground-nut oil	\$0.0	-1.4%	-11.3%	\$(0.0)	\$(0.0)	\$2.44	-1%	\circ
150910	Virgin olive oil	\$0.1	-4.0%	-8.0%	\$(0.1)	\$(0.1)	\$6.86	2%	\circ
150990	Olive oil	\$0.3	2.7%	8.2%	\$0.1	\$0.1	\$3.29	-3%	\circ
151000	Other oils	\$0.2	21.5%	84.9%	\$0.1	\$0.2	\$6.96	-8%	•
151190	Palm oil	\$0.3	37.7%	2.5%	\$0.2	\$0.0	\$2.91	17%	•
151211	Crude sunflower-seed/safflower oil	\$-	-100.0%	-100.0%	\$(0.0)	\$(0.0)	\$-	0%	0
151219	Sunflower-seed/safflower oil	\$0.0	39.3%	8.1%	\$0.0	\$0.0	\$1.82	8%	•
151229	Cotton-seed oil	\$0.0	-4.6%	3.2%	\$(0.0)	\$0.0	\$1.51	1%	0
151311	Crude coconut oil	\$0.0	-21.9%	-11.1%	\$(0.0)	\$(0.0)	\$2.10	5%	0
151319	Coconut oil	\$0.1	43.3%	16.9%	\$0.1	\$0.1	\$2.83	-9%	0
151329	Palm kernel oil	\$-	-100.0%	-100.0%	\$(0.0)	\$(0.1)	\$-	0%	0
151411	Low erucic acid rape oil, crude	\$-	0.0%	-100.0%	\$-	\$(0.0)	\$-	0%	0
151419	Low erucic acid rape oil	\$0.1	0.0%	5.5%	\$0.1	\$0.0	\$1.47	0%	0
151491	Rape oil, crude	\$0.0	0.0%	0.0%	\$0.0	\$0.0	\$1.22	0%	0
151499	Rape oil	\$1.6	117.0%	135.7%	\$1.6	\$1.6	\$1.41	4%	•
151511	Crude linseed oil	\$0.5	27.7%	24.5%	\$0.5	\$0.3	\$7.09	9%	•
151519	Linseed oil	\$1.1	23.8%	11.8%	\$1.0	\$0.5	\$8.99	24%	•

HS Code	Short Description	Exports US\$; 2016	10y CAGR Export value 06-16	5y CAGR Export value 11-16	10y ABS Exp. Growth 06-16	5y ABS Exp. Growth 11-16	Average export price US\$/kg; 16	10y CAGR unit price	SCORE
151529	Maize oil	\$0.0	-34.5%	-54.0%	\$(0.0)	\$(0.0)	\$4.82	12%	\circ
151530	Castor oil	\$0.0	-16.1%	-6.5%	\$(0.0)	\$(0.0)	\$2.71	7%	0
	Sesame oil	\$0.0	16.4%	4.8%	\$0.0	\$0.0	\$4.91	2%	0
151590	Other fixed veg fats	\$4.7	12.0%	12.0%	\$3.2	\$2.0	\$2.83	-5%	0
151610	Animal fat, hydrogenated	\$0.2	12.7%	-19.6%	\$0.2	\$(0.4)	\$2.60	0%	0
151610	Hydrogenised vegetable oils	\$0.4	28.8%	-7.1%	\$0.3	\$(0.2)	\$1.31	17%	0
151/10	Margarine	\$4.7	0.2%	-8.1%	\$0.1	\$(2.5)	\$1.84	5%	0
151790	Animal fat prep.	\$1.7	13.3%	35.4%	\$1.2	\$1.3	\$4.65	0%	•
151800	Animal fat, chem.	\$0.2	-7.5%	-2.5%	\$(0.2)	\$(0.0)	\$0.59	0%	0
152000	Glycerol, crude; glycerol waters and glycerol lyes	\$0.0	-5.9%	0.0%	\$(0.0)	\$0.0	\$7.19	-13%	0
-	Vegetable waxes (excl. triglycerides)	\$0.0	0.0%	0.0%	\$0.0	\$0.0	\$14.04	0%	0
152190	Beeswax, other insect waxes and spermaceti	\$0.3	-15.4%	-26.7%	\$(1.2)	\$(1.0)	\$10.25	8%	0
152200	Degras; residues of fatty subs./animal waxes/veg. waxes	\$-	-100.0%	-100.0%	\$(0.0)	\$(0.0)	\$-	0%	0
160100	Sausages	\$6.5	3.3%	-0.9%	\$1.8	\$(0.3)	\$4.69	-2%	0
160210	Homogenised meat preparations	\$0.7	-6.2%	16.6%	\$(0.6)	\$0.3	\$6.53	9%	0
	Pate & prepared livers	\$0.5	19.2%	11.2%	\$0.4	\$0.2	\$5.53	5%	•
160231	Processed turkey	\$-	0.0%	-100.0%	\$-	\$(0.0)	\$-	0%	0
160232	Prep/pres chicken meat	\$21.0	32.6%	16.8%	\$19.7	\$11.3	\$3.75	2%	•
160239	Prep/pres chicken offal	\$0.4	81.4%	24.1%	\$0.4	\$0.3	\$5.46	6%	•
160239	Swine, hams	\$0.2	-14.2%	61.6%	\$(0.8)	\$0.2	\$10.28	2%	0
160242	Swine, shoulder cuts	\$0.0	33.2%	-12.0%	\$0.0	\$(0.0)	\$6.09	-5%	0
160249	Swine, prepared nes	\$1.7	36.2%	81.3%	\$1.6	\$1.6	\$8.70	7%	•
1	Prep/pres beef offal	\$81.6	9.0%	-5.0%	\$47.1	\$(23.8)	\$5.32	6%	0
160290	Other prep/pres offal	\$3.6	-4.7%	-6.1%	\$(2.2)	\$(1.3)	\$4.31	1%	0
160300	Extracts, meat & seafood	\$41.9	21.6%	24.6%	\$36.0	\$28.0	\$17.96	11%	•

	HS Code	Short Description	Exports US\$; 2016	10y CAGR Export value 06-16	5y CAGR Export value 11-16	10y ABS Exp. Growth 06-16	5y ABS Exp. Growth 11-16	Average export price US\$/kg; 16	10y CAGR unit price	SCORE
ъ	160411	Salmon, prep/pres	\$0.2	-3.9%	-10.6%	\$(0.1)	\$(0.1)	\$8.96	2%	0
Seafood	160413	Sardines, prep/pres	\$0.0	-5.4%	-8.3%	\$(0.0)	\$(0.0)	\$4.05	8%	0
Ses	160414	Tuna, prep/pres	\$0.1	-7.6%	-1.7%	\$(0.2)	\$(0.0)	\$3.74	5%	0
at &	160415	Mackerel, prep/pres	\$0.1	-1.5%	-2.7%	\$(0.0)	\$(0.0)	\$2.42	7%	0
F Me	160416	Anchovies, prep/pres	\$0.0	35.2%	-24.4%	\$0.0	\$(0.0)	\$13.30	3%	0
or Extracts of Meat	160419	Other fish, prep/pres	\$1.7	24.4%	-17.2%	\$1.5	\$(2.6)	\$4.57	7%	0
trac	160420	Other prep fish	\$19.6	-2.5%	-11.3%	\$(5.7)	\$(16.0)	\$9.92	10%	0
ř	160430	Caviar	\$0.0	66.8%	0.0%	\$0.0	\$0.0	\$57.62	4%	•
eq c	160510	Crab, prep/pres	\$0.2	47.8%	12.9%	\$0.2	\$0.1	\$4.43	4%	•
Prepared	160520	Shrimp, prep/pres	\$0.2	33.1%	2.4%	\$0.2	\$0.0	\$10.64	6%	•
	160530	Lobster, prep/pres	\$-	-100.0%	0.0%	\$(0.0)	\$-	\$-	0%	0
9	160540	Mollusc, prep/pres	\$0.0	-37.3%	-43.1%	\$(0.1)	\$(0.0)	\$6.46	-8%	0
	160590	Mussels, prepared	\$21.6	-6.7%	-16.1%	\$(21.4)	\$(30.2)	\$9.32	-3%	0
	170111	Raw sugar, cane	\$0.1	3.0%	18.9%	\$0.0	\$0.1	\$0.85	3%	0
	170112	Raw sugar, beet	\$-	-100.0%	0.0%	\$(0.0)	\$-	\$-	0%	0
>	170191	Sugar, flavoured	\$0.1	27.1%	54.8%	\$0.1	\$0.1	\$0.27	-5%	0
oner	170199	Sugar	\$13.9	4.5%	-7.8%	\$5.0	\$(7.0)	\$0.63	3%	0
Confectionery	170211	Lactose 99%	\$40.6	1.9%	0.2%	\$7.0	\$0.4	\$1.54	6%	0
Conf	170219	Lactose, other	\$0.0	3.9%	-44.3%	\$0.0	\$(0.1)	\$1.34	-16%	0
	170220	Maple syrup	\$0.1	18.7%	-6.6%	\$0.1	\$(0.0)	\$1.79	-6%	0
ars a	170230	Glucose syrup, low fruct.	\$1.0	-4.5%	2.7%	\$(0.6)	\$0.1	\$0.52	-2%	0
Sugars and	170240	Glocose syrup, high fruct.	\$0.0	27.1%	9.1%	\$0.0	\$0.0	\$0.89	-5%	0
17	170250	Fructose	\$0.0	0.0%	-1.0%	\$0.0	\$(0.0)	\$61.50	0%	0
	170260	HFCS, similar	\$0.0	0.0%	111.3%	\$0.0	\$0.0	\$1.68	0%	0
	170290	Sugar blends; similar	\$3.4	10.5%	17.1%	\$2.1	\$1.9	\$5.64	16%	•

	HS Code	Short Description	Exports US\$; 2016	10y CAGR Export value 06-16	5y CAGR Export value 11-16	10y ABS Exp. Growth 06-16	5y ABS Exp. Growth 11-16	Average export price US\$/kg; 16	10y CAGR unit price	SCORE
	170310	Molasses, cane	\$1.6	70.7%	80.3%	\$1.6	\$1.5	\$3.33	36%	•
	170390	Molasses, other	\$2.5	0.0%	0.0%	\$2.5	\$2.5	\$3.45	0%	0
	170410	Chewing gum	\$7.3	13.9%	109.8%	\$5.3	\$7.2	\$9.42	2%	•
	170490	Sugar confectionery	\$48.7	4.1%	-4.1%	\$16.1	\$(11.2)	\$4.01	3%	0
	180100	Cocoa beans	\$1.2	118.8%	94.7%	\$1.2	\$1.2	\$3.41	5%	•
S	180200	Cocoa shells	\$0.0	0.0%	0.0%	\$0.0	\$0.0	\$11.20	0%	0
preparations	180310	Cocoa paste, raw	\$0.1	0.0%	-5.3%	\$0.1	\$(0.0)	\$5.21	0%	0
oara	180400	Cocoa butter	\$0.0	80.1%	0.0%	\$0.0	\$0.0	\$8.10	4%	•
pre	180470	Black tea	\$0.9	0.9%	-3.9%	\$0.1	\$(0.2)	\$9.42	6%	0
and	180500	Cocoa powder, unsweet	\$0.4	13.9%	14.1%	\$0.3	\$0.2	\$3.68	7%	0
Coca	180610	Cocoa powder, sweet	\$0.2	12.0%	19.1%	\$0.1	\$0.1	\$4.40	5%	0
₩ 0	180620	Bulk chocolate	\$22.4	-5.0%	-3.9%	\$(15.1)	\$(4.9)	\$2.69	2%	0
_	180631	Filled chocolate bars	\$21.9	24.0%	34.1%	\$19.4	\$16.9	\$6.32	9%	•
	180632	Chocolate bars	\$21.0	9.0%	4.0%	\$12.1	\$3.7	\$8.42	7%	•
	180690	Chocolate mixed	\$38.5	7.1%	0.7%	\$19.1	\$1.4	\$6.84	10%	•
king	190110	Infant formula retail	\$528.0	21.6%	18.7%	\$453.0	\$304.3	\$6.84	4%	•
, bal	190120	Mixes & doughs	\$20.8	19.3%	15.9%	\$17.2	\$10.9	\$1.80	3%	•
nilks _	190190	Dairy nutritionals	\$147.9	-2.5%	-12.9%	\$(43.2)	\$(147.7)	\$3.12	4%	0
rs, n	190211	Pasta, w/egg	\$0.1	7.9%	-8.2%	\$0.1	\$(0.1)	\$1.70	0%	0
flou	190219	Pasta, no egg	\$0.1	16.1%	-0.5%	\$0.1	\$(0.0)	\$1.84	2%	0
als,	190220	Stuffed pasta	\$1.1	0.7%	62.8%	\$0.1	\$1.0	\$2.77	7%	•
cereals, flours, milks, baking	190230	Canned spaghetti	\$15.3	0.5%	-2.0%	\$0.7	\$(1.6)	\$1.01	1%	0
	190240	Couscous	\$0.0	25.5%	18.7%	\$0.0	\$0.0	\$3.66	6%	•
Prepared	190300	Tapioca	\$0.0	3.6%	-22.5%	\$0.0	\$(0.0)	\$1.37	8%	0
19 Pr	190410	Breakfast cereal/muesli bars, puffed	\$23.1	20.0%	22.3%	\$19.3	\$14.6	\$3.68	6%	•

HS Code 190420	Short Description	Exports US\$; 2016	10y CAGR Export value 06-16	5y CAGR Export value 11-16	10y ABS Exp. Growth 06-16	5y ABS Exp. Growth 11-16	Average export price US\$/kg; 16	10y CAGR unit price	SCORE
	Breakfast cereal, flakes	\$7.2	6.9%	-12.8%	\$3.5	\$(7.1)	\$3.22	4%	0
190430	Bulgur wheat	\$0.0	0.0%	0.0%	\$0.0	\$0.0	\$4.25	0%	0
	Muesli, similar	\$3.0	-1.1%	-5.2%	\$(0.3)	\$(0.9)	\$5.32	5%	0
190490	Crispbread	\$2.9	79.9%	149.6%	\$2.9	\$2.9	\$4.29	9%	•
190520	Gingerbread, etc.	\$0.0	81.8%	7.8%	\$0.0	\$0.0	\$5.70	-10%	0
190520	Sweet biscuits	\$27.8	8.6%	-1.4%	\$15.6	\$(2.1)	\$4.38	2%	0
190532	Waffles & wafers	\$3.5	16.3%	-4.0%	\$2.7	\$(0.8)	\$2.81	5%	0
190532	Rusks, etc.	\$0.2	7.7%	28.8%	\$0.1	\$0.2	\$3.88	8%	•
190590	Crackers	\$67.8	2.5%	-0.8%	\$14.8	\$(2.9)	\$3.66	8%	0
200110	Pickles, can/jar	\$0.3	26.0%	-2.2%	\$0.3	\$(0.0)	\$1.38	5%	0
200190	Other veg., can/jar	\$0.3	14.0%	-22.1%	\$0.2	\$(0.8)	\$2.66	-2%	0
200210	Tomatoes, can/jar whole	\$0.4	-3.6%	-5.2%	\$(0.2)	\$(0.1)	\$0.72	2%	0
200290	Tomatoes, can/jar other	\$2.0	5.3%	-1.2%	\$0.8	\$(0.1)	\$1.06	4%	0
	Mushrooms, can/jar	\$0.0	0.9%	1.7%	\$0.0	\$0.0	\$2.76	2%	0
200320	Truffles, can/jar	\$-	0.0%	-100.0%	\$-	\$(0.0)	\$-	0%	0
	Mushrooms, can/jar other	\$0.0	47.6%	40.4%	\$0.0	\$0.0	\$3.31	13%	•
200410	Frozen french fries	\$56.1	1.2%	-4.7%	\$6.1	\$(15.4)	\$0.87	4%	0
200510	Vegetable chips; similar	\$0.0	17.6%	0.0%	\$0.0	\$0.0	\$4.06	12%	•
200520	Potato chips; similar	\$6.5	17.6%	-5.7%	\$5.3	\$(2.3)	\$3.13	-1%	0
200540	Peas, can/jar	\$0.2	-1.1%	-32.3%	\$(0.0)	\$(1.4)	\$1.50	5%	0
200551	Beans, can/jar	\$24.6	1.5%	-1.0%	\$3.5	\$(1.2)	\$0.81	1%	0
200560	Asparagus, can/jar	\$0.0	-41.0%	-53.8%	\$(1.5)	\$(0.3)	\$4.51	8%	0
200570	Olives, can/jar	\$0.0	4.7%	-7.5%	\$0.0	\$(0.0)	\$3.46	2%	0
200580	Canned corn	\$3.5	20.3%	-10.6%	\$3.0	\$(2.7)	\$1.05	0%	0
200590	Canned mixed veg	\$17.0	32.6%	58.1%	\$16.0	\$15.2	\$0.98	-7%	•

			10y CAGR	5y CAGR	10y ABS	5y ABS	Average		
HS Code	Short Description	Exports US\$; 2016	Export value 06-16	Export value 11-16	Exp. Growth 06-16	Exp. Growth	export price US\$/kg; 16	10y CAGR unit price	SCORE
	Fruit, sugar pres dry	\$0.1	-6.2%	-2.8%	\$(0.0)	\$(0.0)	\$1.85	5%	0
) Jam & jellies, homogenised	\$0.2	10.2%	28.3%	\$0.1	\$0.2	\$3.60	5%	•
	1 Marmalades	\$3.4	24.8%	-1.4%	\$3.0	\$(0.2)	\$1.18	-1%	
	Jams & jellies	\$17.3	3.2%	-8.0%	\$4.7	\$(8.9)	\$1.89	-4%	
	Peanut-butter	\$1.3	31.1%	33.3%	\$1.2	\$1.0	\$1.95	0%	•
	Nuts, roasted packed	\$0.3	1.2%	-18.1%	\$0.0	\$(0.6)	\$8.18	9%	
2 ———) Pineapple, can/jar	\$0.3	12.3%	10.7%	\$0.2	\$0.1	\$1.13	3%	
	Citrus, can/jar or frozen	\$0.0	9.9%	-43.0%	\$0.0	\$(0.1)	\$3.50	17%	0
<u> </u>	Pears, can/jar or frozen	\$0.1	3.0%	-4.3%	\$0.0	\$(0.0)	\$0.73	-2%	0
	· · · · ·	\$0.1	26.4%	-35.7%	\$0.1	\$(0.7)	\$1.92	3%	
200860	Cherries, can/jar or frozen	\$0.0	35.4%	-26.3%	\$0.0	\$(0.2)	\$7.35	9%	
200870	Peaches, can/jar or frozen	\$0.3	9.6%	-12.6%	\$0.2	\$(0.3)	\$2.08	5%	
200880	O Strawberries, can/jar or frozen	\$0.5	15.9%	-19.1%	\$0.4	\$(1.0)	\$3.47	7%	
ž —	2 Other prep/pres fruit	\$12.7	23.2%	13.8%	\$11.2	\$6.1	\$5.10	5%	•
	Mixed prep/pres. fruit	\$13.8	5.4%	-4.5%	\$5.6	\$(3.6)	\$1.38	3%	
`	1 Frozen orange juice	\$0.1	-3.8%	-10.0%	\$(0.1)	\$(0.1)	\$1.22	-1%	
	2 Orange juice not-frozen unsweetened	\$0.2	12.0%	25.0%	\$0.1	\$0.1	\$1.38	5%	•
	Orange juice not-frozen sweetened	\$0.6	10.6%	11.7%	\$0.4	\$0.3	\$1.62	3%	0
	1 Grapefruit juice, low brix	\$0.0	-4.1%	-14.3%	\$(0.0)	\$(0.0)	\$3.03	0%	0
200929	<u> </u>	\$0.0	-38.7%	-55.4%	\$(0.1)	\$(0.0)	\$1.04	-1%	0
	1 Other citrus juice low brix	\$0.1	8.2%	-1.6%	\$0.1	\$(0.0)	\$1.87	2%	
	Other citrus juice	\$0.0	7.6%	-0.5%	\$0.0	\$(0.0)	\$1.90	4%	
	1 Pineapple juice low brix	\$0.0	7.1%	23.0%	\$0.0	\$0.0	\$2.01	0%	
200949		\$0.0	1.2%	-34.1%	\$0.0	\$(0.3)	\$1.69	-1%	0
) Tomato juice	\$0.0	0.2%	-13.8%	\$0.0	\$(0.0)	\$0.80	7%	
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	HS Code	Short Description	Exports US\$; 2016	10y CAGR Export value 06-16	5y CAGR Export value 11-16	10y ABS Exp. Growth 06-16	5y ABS Exp. Growth 11-16	Average export price US\$/kg; 16	10y CAGR unit price	SCORE
Z Ø	200961	Grape juice	\$0.1	42.1%	32.5%	\$0.1	\$0.1	\$3.13	2%	•
, Y	200969	Grape juice high brix	\$0.1	16.6%	-11.3%	\$0.0	\$(0.1)	\$3.31	8%	\circ
	200971	Apple juice	\$0.2	4.9%	-8.6%	\$0.1	\$(0.1)	\$1.83	3%	\circ
Prepared	200979	Apple juice, sweetened	\$15.5	-1.6%	-5.9%	\$(2.7)	\$(5.5)	\$1.40	0%	\circ
	200980	Kiwifruit juice; other fruit juices	\$30.2	15.4%	-5.3%	\$23.0	\$(9.5)	\$2.36	3%	\circ
50	200990	Mixed juice	\$7.3	5.0%	10.1%	\$2.8	\$2.8	\$1.89	3%	0
	210111	Coffee extracts	\$3.2	24.8%	8.1%	\$2.9	\$1.0	\$11.36	4%	•
	210112	Instant coffee	\$1.4	68.4%	25.3%	\$1.4	\$1.0	\$2.44	-2%	•
	210120	Tea essence/extract	\$0.1	-8.9%	-12.1%	\$(0.1)	\$(0.1)	\$8.86	18%	\circ
S	210130	Coffee substitutes	\$0.1	0.0%	0.0%	\$0.1	\$0.1	\$0.60	0%	\circ
foods	210210	Yeast, active	\$0.3	15.4%	16.2%	\$0.3	\$0.2	\$3.12	0%	\circ
red	210220	Yeast nes	\$0.1	16.4%	54.2%	\$0.1	\$0.1	\$32.33	0%	•
Other prepared	210230	Baking powder	\$0.1	5.1%	1.9%	\$0.0	\$0.0	\$1.73	1%	\circ
er p	210310	Soy sauce	\$0.1	1.1%	15.8%	\$0.0	\$0.1	\$3.33	7%	0
G.	210320	Ketchup	\$10.8	31.9%	57.3%	\$10.1	\$9.7	\$1.22	-1%	•
7	210330	Mustard	\$0.0	-8.5%	-33.9%	\$(0.0)	\$(0.2)	\$3.94	5%	0
_	210390	Sauces	\$73.8	2.1%	0.9%	\$13.7	\$3.1	\$2.12	1%	•
_	210410	Soups	\$42.5	1.3%	-6.2%	\$5.2	\$(15.9)	\$1.88	2%	0
_	210420	Homogenised composite food prep	\$6.2	5.6%	-6.2%	\$2.6	\$(2.3)	\$3.46	4%	0
_	210500	Ice cream	\$28.1	0.8%	-3.1%	\$2.2	\$(4.8)	\$2.67	2%	0
	210610	Textured protein	\$1.9	3.3%	-9.8%	\$0.5	\$(1.3)	\$9.22	3%	0
_	210690	Innovative foods	\$670.0	7.9%	14.0%	\$355.6	\$321.7	\$6.56	9%	•
ages	220110	Mineral water	\$7.6	10.4%	7.0%	\$4.8	\$2.2	\$0.70	7%	0
Beverages	220190	Other water, unsweetened	\$7.5	40.1%	13.1%	\$7.3	\$3.5	\$0.37	-10%	0
22 Be	220210	Soft drinks	\$42.7	-0.9%	-8.0%	\$(4.3)	\$(22.0)	\$0.96	0%	0
7										

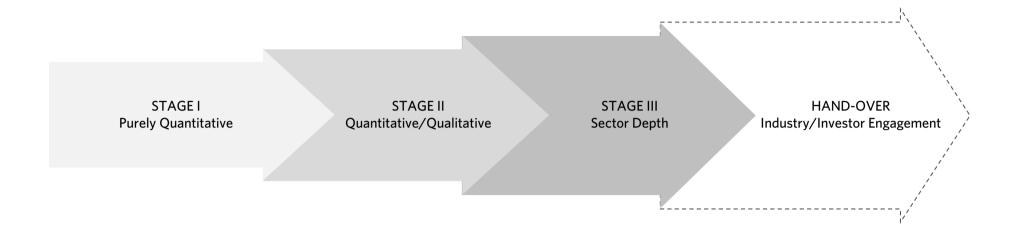
	HS Code	Short Description	Exports US\$; 2016	10y CAGR Export value 06-16	5y CAGR Export value 11-16	10y ABS Exp. Growth 06-16	5y ABS Exp. Growth 11-16	Average export price US\$/kg; 16	10y CAGR unit price	SCORE
	220290	Other flavoured beverages	\$50.7	25.2%	23.9%	\$45.4	\$33.3	\$1.06	3%	•
	220300	Beer	\$26.3	8.7%	-1.0%	\$14.9	\$(1.4)	\$0.76	1%	\circ
	220410	Sparkling wine	\$11.0	-2.0%	0.0%	\$(2.4)	\$(0.0)	\$3.04	3%	0
gar _	220421	Wine, bottle	\$886.2	8.9%	3.1%	\$508.5	\$126.3	\$3.40	0%	•
vinegar 	220429	Wine, bulk	\$226.2	47.5%	12.7%	\$221.6	\$101.9	\$2.87	1%	•
and -	220430	Grape must	\$0.0	0.0%	-22.5%	\$0.0	\$(0.0)	\$7.59	0%	0
.Its	220510	Vermouth	\$0.0	-27.5%	-63.6%	\$(0.0)	\$(0.1)	\$9.45	14%	0
spirits	220600	Cider; other fermented	\$7.6	23.1%	-9.2%	\$6.6	\$(4.7)	\$1.14	-5%	0
beverages,	220710	Ethyl alcohol 80%	\$0.1	5.5%	0.1%	\$0.0	\$0.0	\$1.81	5%	0
vera _	220720	Ethyl alcohol any strength	\$-	-100.0%	-100.0%	\$(0.1)	\$(0.1)	\$-	0%	0
	220820	Brandy/Cognac	\$0.5	23.2%	30.6%	\$0.5	\$0.4	\$5.73	4%	•
77 _	220830	Whiskeys	\$1.4	2.6%	-11.0%	\$0.3	\$(1.1)	\$5.03	2%	0
	220840	Rum	\$0.5	-2.3%	-13.9%	\$(0.1)	\$(0.6)	\$3.49	0%	0
	220850	Gin	\$0.8	-0.2%	36.1%	\$(0.0)	\$0.6	\$4.90	12%	\circ
	220860	Vodka	\$2.0	-7.6%	-6.0%	\$(2.4)	\$(0.7)	\$2.49	-5%	\circ
	220870	Liqueurs	\$5.2	19.9%	-15.3%	\$4.3	\$(6.7)	\$5.06	0%	\circ
	220890	Other spirits	\$11.4	-6.0%	-15.4%	\$(9.9)	\$(14.9)	\$1.22	2%	\circ
	220900	Vinegar	\$2.0	20.9%	20.6%	\$1.7	\$1.2	\$1.50	4%	•
auct —	230110	Flours, meats and pellets, for animals	\$78.9	4.7%	-2.9%	\$29.1	\$(12.5)	\$0.53	5%	0
by-product 	230120	Flours, meals and pellets of fish, for animals	\$31.9	3.1%	1.6%	\$8.3	\$2.5	\$1.72	5%	•
	230210	Bran, sharps of maize (corn)	\$1.2	2.4%	-7.9%	\$0.3	\$(0.6)	\$0.91	5%	0
Industry 	230220	Rice bran, sharps, other residues	\$-	-100.0%	0.0%	\$(0.0)	\$-	\$-	0%	0
Indi	230230	Bran, sharps and other residues, of wheat	\$0.0	14.9%	1.6%	\$0.0	\$0.0	\$0.62	-8%	0
P004	230240	Bran, sharps and other residues, of other cereals	\$0.0	33.0%	-24.3%	\$0.0	\$(0.0)	\$0.56	-8%	0
73 H	230250	Bran, sharps and other residues of leguminous plants	\$-	0.0%	-100.0%	\$-	\$(0.0)	\$-	0%	0

	HS Code	Short Description	Exports US\$; 2016	10y CAGR Export value 06-16	5y CAGR Export value 11-16	10y ABS Exp. Growth 06-16	5y ABS Exp. Growth 11-16	Average export price US\$/kg; 16	10y CAGR unit price	SCORE
	230310	Starch residues	\$0.0	0.0%	-15.4%	\$0.0	\$(0.0)	\$0.74	0%	\circ
leed	230320	Beet-pulp and other sugar waste	\$0.0	0.0%	0.0%	\$0.0	\$0.0	\$4.49	0%	0
<u>a</u>	230400	Oil-cake and other residues, soyabean oil.	\$0.0	7.1%	53.7%	\$0.0	\$0.0	\$0.64	0%	0
	230500	Oil-cake and other residues, ground-nut oil.	\$-	-100.0%	0.0%	\$(0.0)	\$-	\$-	0%	0
חכר,	230620	Oil-cake, etc. of linseed seeds	\$0.0	0.0%	45.9%	\$0.0	\$0.0	\$5.09	0%	•
product	230630	Oil-cake, etc. of sunflower seeds	\$-	0.0%	-100.0%	\$-	\$(0.0)	\$-	0%	0
Y	230641	Oil-cake, etc. of canola seeds, low acid	\$0.0	-19.5%	3.8%	\$(0.0)	\$0.0	\$2.27	11%	0
stry	230650	Oil-cake, etc. of coconut	\$0.0	0.0%	3.5%	\$0.0	\$0.0	\$0.52	0%	0
ırıdustry	230690	Oil-cake other	\$0.0	37.0%	-16.3%	\$0.0	\$(0.0)	\$0.56	5%	0
, ,	230800	Vegetable byproduct nes	\$0.1	16.5%	28.4%	\$0.1	\$0.1	\$0.84	-1%	0
ე ე	230910	Dog or cat food, put up for retail sale	\$75.1	10.2%	8.8%	\$46.8	\$25.8	\$3.34	10%	•
` _	230990	Other preparations of a kind used in animal feed	\$24.3	1.0%	4.9%	\$2.3	\$5.2	\$1.05	3%	0
arciles _	350110	Casein	\$371.7	2.6%	3.7%	\$85.0	\$61.8	\$5.60	0%	•
ב ב	350190	Caseinates/other derivatives	\$231.2	1.6%	-5.3%	\$33.7	\$(71.9)	\$6.57	0%	0
15, SI -	350211	Egg albumin, dried	\$0.0	4.8%	-3.5%	\$0.0	\$(0.0)	\$5.82	-1%	0
urriiris, -	350220	Milk albumins, 80%+ whey, two proteins	\$176.2	7.8%	2.4%	\$93.2	\$20.1	\$6.51	4%	•
	350290	Milk albumins, 80%+ whey, other	\$1.7	-15.4%	-13.8%	\$(7.4)	\$(1.9)	\$38.17	-5%	0
0	350300	Gelatin	\$8.4	-0.1%	-1.2%	\$(0.1)	\$(0.5)	\$6.54	4%	0

GLOSSARY OF TERMS

ABS	Absolute change	N.H	Northern Hemisphere
ANZSIC	AU/NZ Standard Industry Classification	NZ	New Zealand
AU	Australia	NZ\$/NZD	New Zealand dollar
В	Billion	PREP/PRES	Prepared or Preserved (i.e. not fresh)
CAGR	Compound Annual Growth Rate	R&D	Research and Development
CIF	Cost, Insurance and Freight assumed by the seller, responsible until goods are received	SAR	Special Administrative Region
FAO	Food and Agriculture Organisation of the UN	S.H	Southern Hemisphere
FOB	Free On Board (Sellers price incl transport to port and loading)	Т	Tonne
FY	Financial year (of firm in question)	US/USA	United States of America
L	Litre	US\$/USD	United States dollar
М	Million	UK	United Kingdom
N/A	Not available/not applicable	WMP	Whole Milk Powder
NEC/NES	Not elsewhere classified/not elsewhere specified		

Hand-over presents research to New Zealand's food & beverage companies and wider stakeholders



Objective(s)	- Build awareness and uptake of research
Methodology	 Email research to all industry stakeholders Present research to industry
Outcome	- Awareness and implementation of research findings
Limitations	- Obtaining wide distribution to relevant stakeholders

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Coriolis is the leading Australasian management consulting firm specialising in the wider food value chain. We work on projects in agriculture, food and beverages, consumer packaged goods, retailing & foodservice. In other words, things you put in your mouth and places that sell them.

WHERE WE WORK

We focus on the Asia Pacific region, but look at problems with a global point-of-view. We have strong understanding of, and experience in, markets and systems in Australia, China, Japan, Malaysia, New Zealand, Singapore, South Korea, Thailand, the United Kingdom and the U.S. We regularly conduct international market evaluations and benchmarking.

WHAT WE DO

We help our clients assemble the facts needed to guide their big decisions. We develop practical, fact-based insights grounded in the real world that guide our clients decisions and actions. We make practical recommendations. We work with clients to make change happen. We assume leadership positions to implement change as necessary.

HOW WE DO IT

All of our team have worked across one-or-more parts of the wider food value chain, from farm-to-plate. As a result, our recommendations are grounded in the real world. Our style is practical and down-to-earth. We try to put ourselves in our clients' shoes and focus on actions. We listen hard, but we are suspicious of the consensus. We provide an external, objective perspective. We are happy to link our fees to results.

WHO WE WORK WITH

We only work with a select group of clients we trust. We build long term relationships with our clients and more than 80% of our work comes from existing clients. Our clients trust our experience, advice and integrity.

Coriolis advises clients on growth strategy, mergers and acquisitions, operational improvement and organisational change. Typical assignments for clients include...

FIRM STRATEGY & OPERATIONS

We help clients develop their own strategy for growing sales and profits. We have a strong bias towards growth driven by new products, new channels and new markets.

MARKET ENTRY

We help clients identify which countries are the most attractive – from a consumer, a competition and a channel point-of-view. Following this we assist in developing a plan for market entry and growth.

VALUE CREATION

We help clients create value through revenue growth and cost reduction.

TARGET IDENTIFICATION

We help clients identify high potential acquisition targets by profiling industries, screening companies and devising a plan to approach targets.

DUE DILIGENCE

We help organisations make better decisions by performing consumer and market-focused due diligence and assessing performance improvement opportunities.

EXPERT WITNESS

We provide expert witness support to clients in legal cases and insurance claims. We assist with applications under competition/fair trade laws and regulations.

