

Economic Survey of Manufacturing: September 2012 quarter

Embargoed until 10:45am – 10 December 2012

Key facts

Sales (seasonally adjusted) for the September 2012 quarter compared with the June 2012 quarter.

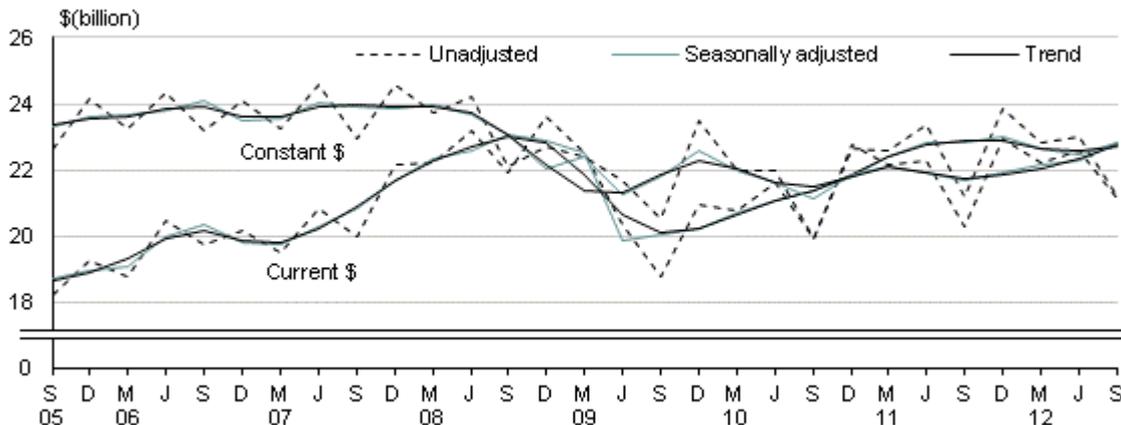
Volumes

- Total manufacturing **rose** 2.6 percent.
- Excluding meat and dairy product manufacturing, sales **fell** 1.4 percent.
- Meat and dairy product manufacturing **rose** 13 percent.

Values

- Total manufacturing **rose** 1.6 percent.
- Excluding meat and dairy product manufacturing, sales **fell** 1.1 percent.
- Meat and dairy product manufacturing **rose** 9.3 percent.

Total manufacturing sales
Current and constant dollars⁽¹⁾
Quarterly



1. Constant dollar series (volumes) is at September 2010 quarter prices.

Source: Statistics New Zealand

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Commentary

- Manufacturing volumes rise
- Excluding meat and dairy products, manufacturing volumes fall
- Meat and dairy product manufacturing volumes rise
- Chemical, polymer, and rubber product manufacturing volumes rise
- Metal product manufacturing volumes fall
- Final publication of fixed assets

All references to sales movements are seasonally adjusted unless otherwise stated.

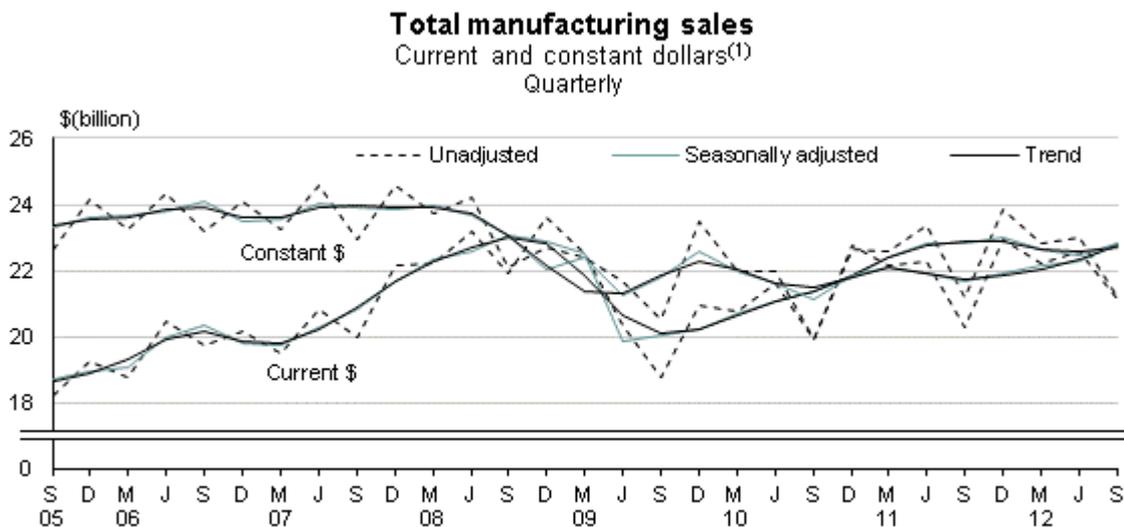
Manufacturing volumes rise

The **volume of manufacturing sales** rose 2.6 percent in the September 2012 quarter, following a 0.5 percent rise in the June 2012 quarter. The latest rise was dominated by a 13 percent increase in sales volumes for meat and dairy product manufacturing, highlighting the impact this industry has on total manufacturing results. Other main volumes movements this quarter were:

- metal product manufacturing, **down** 6.9 percent
- chemical, polymer, and rubber product manufacturing, **up** 7.3 percent.

The **trend** for the manufacturing sales volume, which gives a longer-term picture of movements, has risen during the past year, up 4.6 percent since the September 2011 quarter.

Volumes are calculated by removing the effect of price changes from sales values.



1. Constant dollar series (volumes) is at September 2010 quarter prices.

Source: Statistics New Zealand

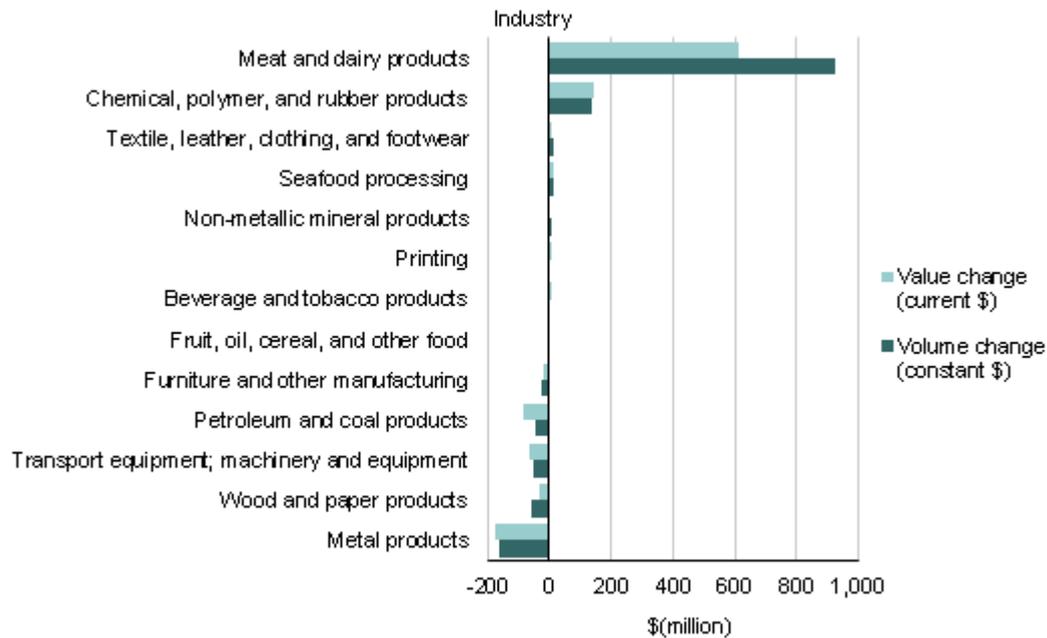
In **current prices**, sales values rose 1.6 percent (\$370 million) in the September 2012 quarter, following a 0.8 percent fall (\$175 million) in the June 2012 quarter. The main values movements for the quarter were:

- meat and dairy product manufacturing, **up** 9.3 percent (\$612 million)
- metal product manufacturing, **down** 7.6 percent (\$178 million)

- chemical, polymer, and rubber product manufacturing, **up** 7.4 percent (\$145 million).

Changes in seasonally adjusted manufacturing sales

Current and constant dollars⁽¹⁾
June 2012 quarter to September 2012 quarter

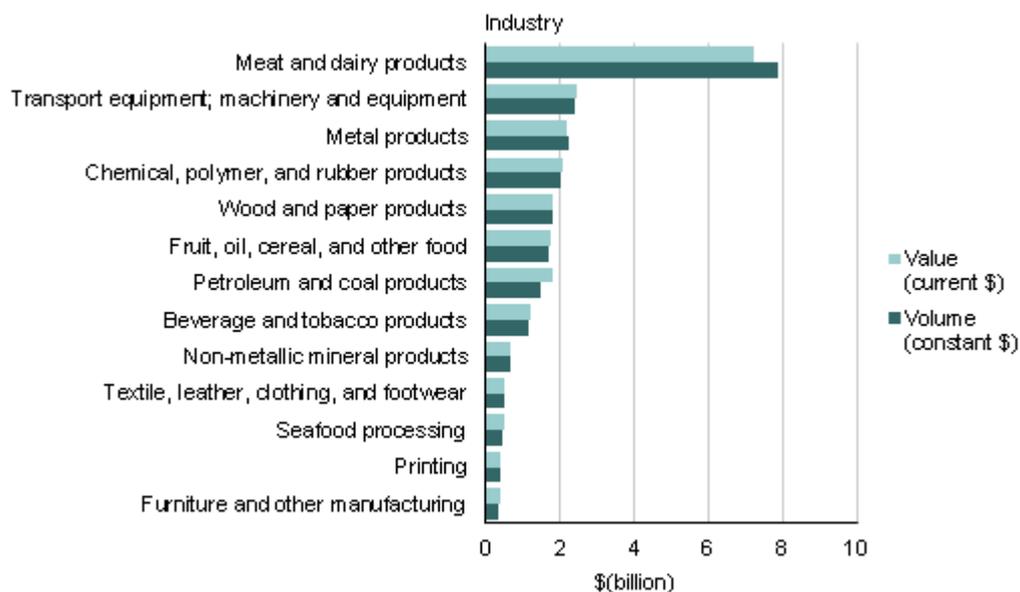


1. Constant dollar series (volumes) is at September 2010 quarter prices.

Source: Statistics New Zealand

Seasonally adjusted manufacturing sales

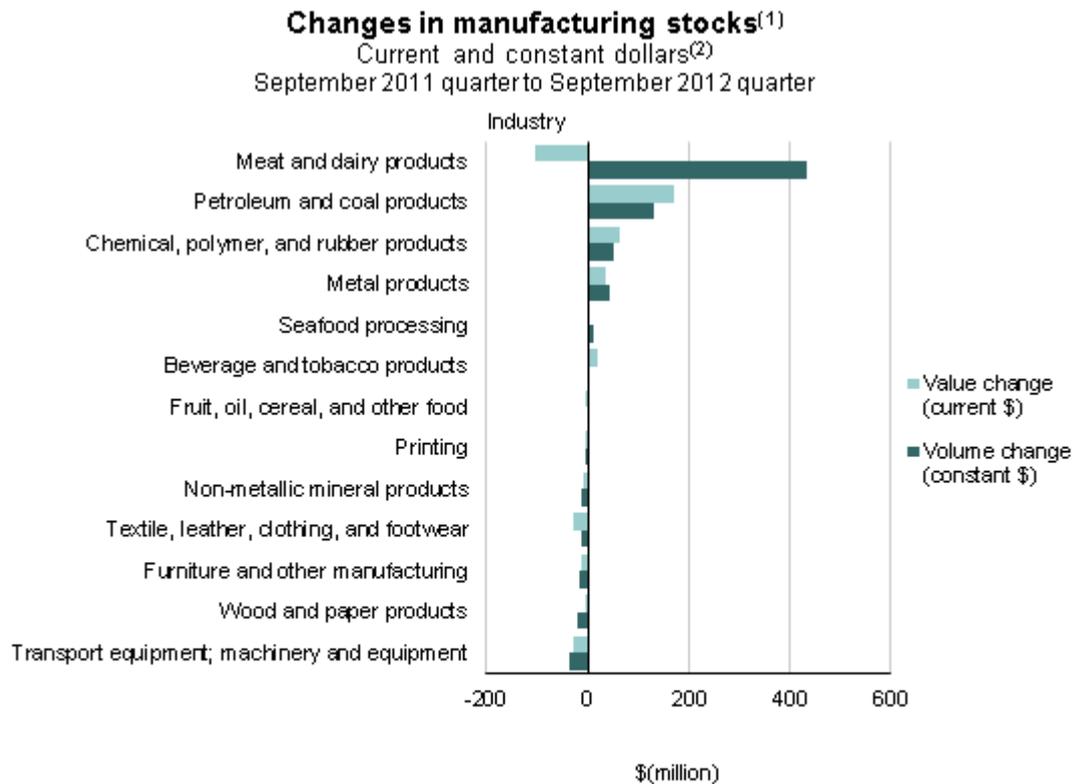
Current and constant dollars⁽¹⁾
September 2012 quarter



1. Constant dollar series (volumes) is at September 2010 quarter prices.

Source: Statistics New Zealand

The **volume of finished goods stocks** (which is not seasonally adjusted) is 6.4 percent higher than in the September 2011 quarter. This rise was mainly due to volume of stock increases for meat and dairy product manufacturing (up 13 percent) and petroleum and coal product manufacturing (up 20 percent).



1. Closing stocks of finished goods.
2. Constant dollar series (volumes) is at September 2010 quarter prices.

Source: Statistics New Zealand

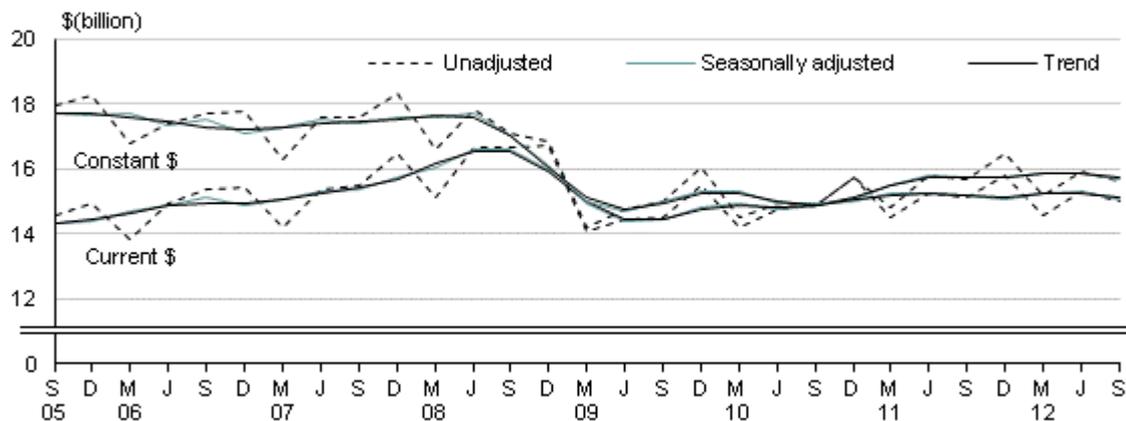
Excluding meat and dairy products, manufacturing volumes fall

The **volume of sales**, excluding meat and dairy product manufacturing, fell 1.4 percent in the September 2012 quarter, following a flat June 2012 quarter. Eight of the 12 industries that make up this grouping recorded decreases. The main movements for this quarter were:

- metal product manufacturing, **down** 6.9 percent
- chemical, polymer, and rubber product manufacturing, **up** 7.3 percent.

In **current prices**, values also fell, down 1.1 percent (\$178 million) in the September 2012 quarter.

Manufacturing sales excluding meat and dairy product manufacturing sales
Current and constant dollars⁽¹⁾
Quarterly



1. Constant dollar series (volumes) is at September 2010 quarter prices.

Source: Statistics New Zealand

The **trend** for the sales volume has been relatively flat for the last three years.

The **volume of finished goods stocks** (which is not seasonally adjusted) is 2.4 percent higher than in the September 2011 quarter.

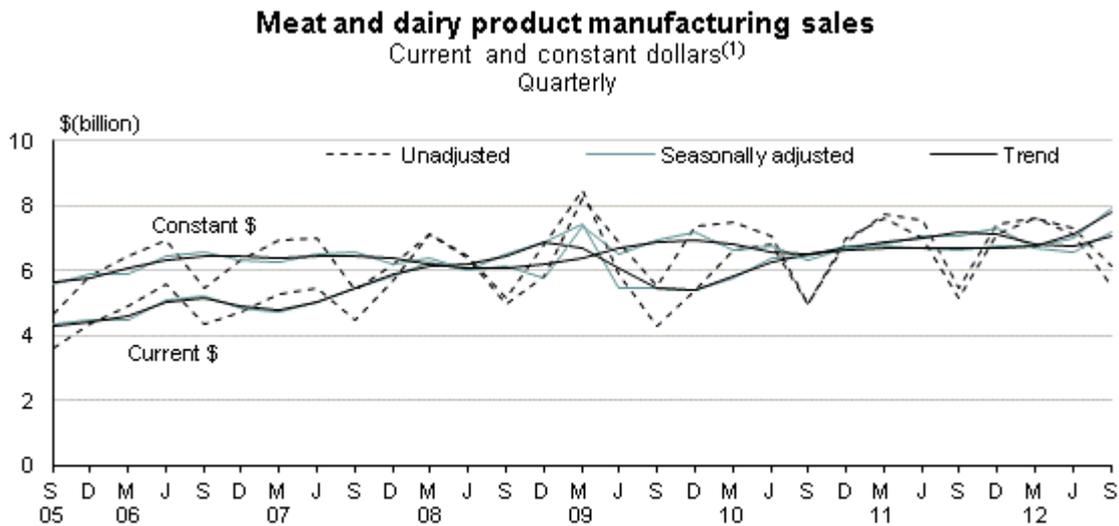
Meat and dairy product manufacturing volumes rise

The **volume of sales** for the meat and dairy product manufacturing industry rose 13 percent in the September 2012 quarter, following three quarters of volume increases.

This latest rise reflects increases in the volume of meat and dairy products exported as reported in the Overseas Trade Indexes (Volumes): September 2012 quarter (provisional), where dairy exports rose 32 percent and meat exports rose 15 percent.

The **value of sales** also increased, up 9.3 percent (\$612 million), following falls in the two previous quarters. This increase highlights the higher volumes of meat and dairy products sold, even though the prices of manufactured dairy products fell 10 percent, and prices of manufactured meat products fell 2.9 percent, as reported in the Producers Price Index: September 2012 quarter.

The **trend** indicates that the volume of meat and dairy product manufacturing has risen over the last three quarters after a relatively flat period during 2011.



1. Constant dollar series (volumes) is at September 2010 quarter prices.

Source: Statistics New Zealand

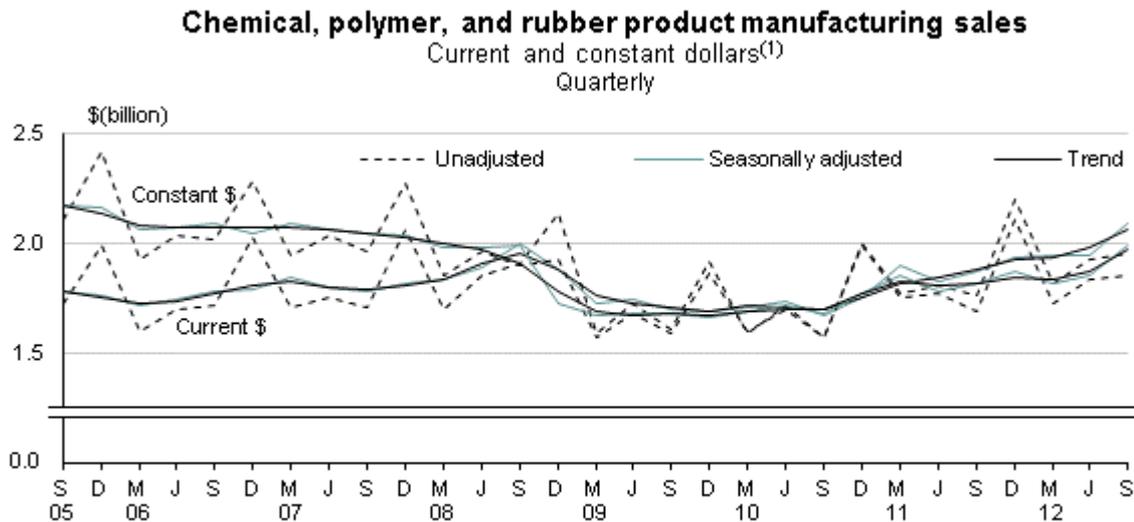
The **volume of finished goods stocks** (which is not seasonally adjusted) is 13 percent higher than in the September 2011 quarter.

Chemical, polymer, and rubber product volumes rise

The **volume of sales** for the chemical, polymer, and rubber product manufacturing industry rose 7.3 percent in the September 2012 quarter, following a 2.1 percent rise in the previous quarter. September quarter sales were lifted by Methanex restarting its second methanol plant at its Motonui site.

The **sales value** also rose, up 7.4 percent (\$145 million).

The **trend** for sales volume has risen 18 percent since the lowest point of the series in December 2009 and is back to mid-2008 levels.



1. Constant dollar series (volumes) is at September 2010 quarter prices.

Source: Statistics New Zealand

The **volume of finished goods stocks** (which is not seasonally adjusted) is 5.8 percent higher than in the September 2011 quarter.

Metal product manufacturing volumes fall

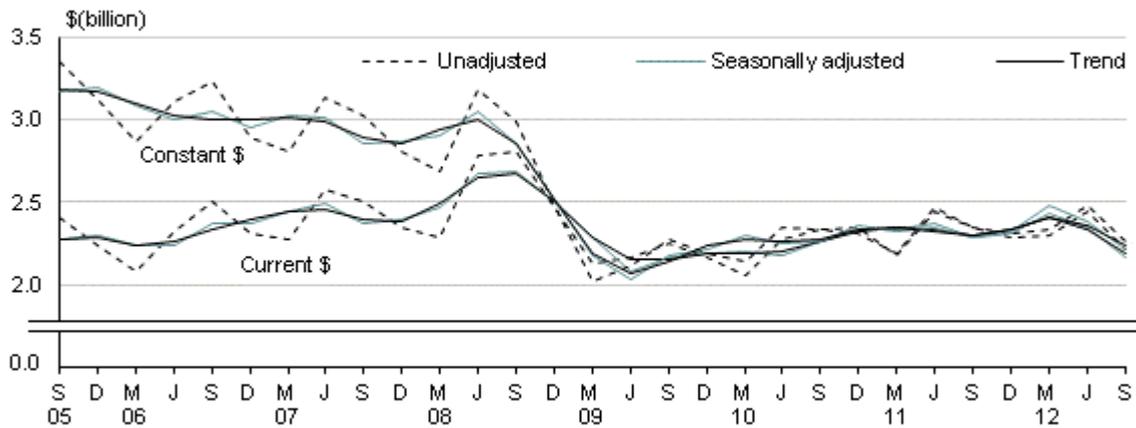
The **volume of sales** for the metal product manufacturing industry fell 6.9 percent in the September 2012 quarter. This decrease follows a 4.1 percent fall in the June 2012 quarter. Sales falls occurred across the industry in the September quarter.

The **sales value** also fell, down 7.6 percent (\$178 million).

The **trend** indicates that the sales volume for the metal product manufacturing industry now appears to be falling after a period of gradual increase since a low-point in June 2009.

Metal product manufacturing sales

Current and constant dollars⁽¹⁾
Quarterly



1. Constant dollar series (volumes) is at September 2010 quarter prices.

Source: Statistics New Zealand

The **volume of finished goods stocks** (which is not seasonally adjusted) is 9.1 percent higher than in the September 2011 quarter.

For more detailed data see the Excel tables in the 'Downloads' box.

Final publication of fixed assets

In the Economic Survey of Manufacturing: June 2012 quarter we advised that we will stop collecting information on the addition and disposal of fixed assets from the December 2012 quarter onwards. This will result in the removal of table 18, additions and disposals of fixed assets, from future releases.

The reasons for discontinuing this table are:

- the table is incomplete as many cells are confidentialised to maintain respondent privacy
- limited demand for this information
- collecting data for this table requires significant respondent time and effort
- the relative sample error can be higher than desirable for official statistics
- the data is available from the Annual Enterprise Survey.

Definitions

About the Economic Survey of Manufacturing

The Economic Survey of Manufacturing (ESM) provides short-term economic indicators for the manufacturing sector. The data is also used to compile the manufacturing sector component of the quarterly national accounts. Published values exclude GST.

More definitions

Additions to fixed assets: purchases of fixed assets (including land) plus capital works by own employees. Revaluations are excluded. Data on an ANZSIC06 basis is available from the June 2010 quarter. This series has not been backcast.

ANZSIC: Australian and New Zealand Standard Industrial Classification.

Business Frame: a register of all economically significant businesses that operate in New Zealand. The population of the ESM is drawn from the Business Frame.

Disposals of fixed assets: sales of fixed assets (including land) at selling prices. Devaluations are excluded. Data on an ANZSIC06 basis is available from the June 2010 quarter. This series has not been backcast.

Enterprise: a business entity operating in New Zealand either as a legally constituted body such as a company, partnership, trust, local or central government trading organisation, or as a self-employed individual.

Kind-of-activity unit: a subdivision of an enterprise engaged in predominantly one activity and for which a single set of accounting records is available.

NZSIOC: New Zealand Standard Industry Output Classification. An ANZSIC-based classification that groups industries for publication.

Purchases and operating expenditure: something obtained, especially for a price in money or its equivalent.

The following are included:

- purchases of goods, fuels, and materials (whether for production or resale)
- general expenses (eg advertising, freight, insurance, motor vehicle, rates, rent, repairs, utilities)
- management fees and payments to other businesses or divisions
- payments to welfare and superannuation schemes (eg ACC, KiwiSaver)
- royalties and patent fees.

While these are excluded:

- interest, dividends, donations, and bad debts
- excise duty, fringe benefit tax, and road user charges
- extraordinary items (eg exchange rate losses, losses on sales of fixed assets)
- depreciation.

Rolling mean employment: a 12-month moving average of the monthly employee count.

Salaries and wages: includes gross salaries, wages, bonuses, and redundancy payments to employees. Excludes drawings, salaries, and wages paid to working proprietors and payments to welfare and superannuation schemes (eg ACC, KiwiSaver).

Sales and other operating income: the transfer of ownership of and title to goods or services from one person or entity to another for a price.

The following are included:

- sales of goods (whether manufactured, processed, or traded)
- sales of services (including repair services)
- manufacturing, processing, and management fees
- rental and leasing income
- royalties and patent fees.

While these are excluded:

- interest, dividends, donations, bad debts, and insurance claims
- excise duty, government grants, and subsidies
- extraordinary items (eg exchange rate gains, gains on sales of fixed assets).

Stocks of raw materials: crude or processed material that can be converted by manufacture, processing, or combination into a new product. Stocks include materials, fuels, and livestock.

Stocks of finished goods: goods ready for sale without further transformation. Stocks includes work in progress.

Volume series: are value series that are adjusted (divided by price indexes) to remove the effect of price changes. They provide a measure of quantity change and are currently expressed in September 2010 quarter dollars. The price indexes used are from the producers price index and are available on Infoshare.

Related links

Upcoming releases

The *Economic Survey of Manufacturing: December 2012 quarter* will be released on 8 March 2013.

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[The release calendar](#) lists all our upcoming information releases by date of release.

Past releases

[Economic Survey of Manufacturing – information releases](#) has links to past releases.

Related information

[Producers price index](#) outputs index measures changes in prices received by producers.

Data quality

Period-specific information

This section contains data information that has changed since the last release.

- [Sample errors for September 2012 quarter](#)
- [Imputation for September 2012 quarter](#)
- [Response rate](#)

General information

This section contains information that does not change between releases.

- [Measurement errors](#)
- [Non-response imputation](#)
- [Seasonally adjusted and trend series](#)
- [Standardising dairy industry quarters](#)
- [Use in national accounts](#)
- [More information](#)

Period-specific information

Sample errors for September 2012 quarter

Sample errors for sales in the September 2012 quarter		
Industry	Sample error for sales value	Sample error for change in sales
	Percent	
Meat and dairy product manufacturing	0.0	0.0
Seafood processing	0.0	0.0
Fruit, oil, cereal, and other food manufacturing	4.1	6.1
Beverage and tobacco product manufacturing	0.0	0.0
Textile, leather, clothing, and footwear manufacturing	8.4	5.8
Wood and paper product manufacturing	2.3	0.9
Printing	10.3	5.7
Petroleum and coal product manufacturing	0.0	0.0
Chemical, polymer, and rubber product manufacturing	2.3	1.3
Non-metallic mineral product manufacturing	4.8	1.8
Metal manufacturing	7.2	4.6
Transport equipment; machinery and equipment manufacturing	6.1	5.5
Furniture and other manufacturing	6.4	5.6
Total manufacturing	1.2	0.6

Industries with zero sample error are full-coverage industries. In these industries, all large firms are surveyed and all small to medium-sized firms are modelled using administrative data from Inland Revenue.

Imputation for September 2012 quarter

Imputed values as a percentage of sales in the September 2012 quarter		
Industry	Non-response	Tax modelled
	Percentage of sales	
Meat and dairy product manufacturing	0.0	5.7
Seafood processing	3.8	12.1
Fruit, oil, cereal, and other food manufacturing	11.1	11.3
Beverage and tobacco product manufacturing	3.5	18.4
Textile, leather, clothing, and footwear manufacturing	16.8	14.0
Wood and paper product manufacturing	8.9	11.4
Printing	6.8	16.2
Petroleum and coal product manufacturing	0.0	0.9
Chemical, polymer, and rubber product manufacturing	11.0	9.5
Non-metallic mineral product manufacturing	7.4	13.2
Metal manufacturing	8.8	15.1
Transport equipment; machinery and equipment manufacturing	20.0	14.6
Furniture and other manufacturing	18.7	14.4
Total manufacturing	7.3	10.3

Response rate

The response rate applies to the postal sample and gives the proportion of sales obtained from survey responses (compared with being imputed). The Economic Survey of Manufacturing (ESM) has a target response rate of 85 percent.

The response rate achieved for the September 2012 quarter was 93 percent.

General information

Measurement errors

The ESM applies imputation methods for estimating values for small firms and non-response. Like all statistical surveys, it is subject to measurement errors, including sample errors and non-sample errors. These measurement errors affect the accuracy of the published statistics.

Sample errors

The ESM is primarily a postal survey and is designed to give statistics at the following levels of accuracy (at the 95 percent confidence interval limit):

- 5 percent for sales, salaries and wages, and value added at the total manufacturing level
- 10 percent for sales, salaries and wages, and value added at the published industry level, where value added is calculated as follows:
value added = sales – purchases + stock change

This means, for example, that there is a 95 percent chance that the true value of total manufacturing sales lies within 5 percent of the published estimate.

Sample errors, at the 95 percent confidence interval limit, are calculated each quarter for absolute values and for changes in value from the previous quarter.

Small firms

Small to medium-sized firms are generally not surveyed. Their variables are instead modelled from administrative data from Inland Revenue. Ratios calculated from the postal sample responses are applied to the administrative data to provide estimated values.

Non-response imputation

Although attempts are made to achieve a 100 percent response rate, in practice this does not occur. Values for non-responding businesses are estimated using a range of methods, including:

- regression imputation
- historic imputation
- mean imputation.

Regression imputation involves estimating the variable of interest from the unit's administrative data (GST sales), based on the relationship shown by similar businesses.

Historic imputation involves multiplying their response in the previous period by a non-response factor. The non-response factor is the average movement over the quarter for similar businesses.

Mean imputation involves estimating a value for a unit by using the average value for a set of similar businesses.

Seasonally adjusted and trend series

For any series, the survey estimates can be broken down into three components: trend, seasonal, and irregular. While seasonally adjusted series have the seasonal component removed, trend series have both the seasonal and irregular components removed. This reveals turning points and the underlying direction of quarterly movement.

Seasonally adjusted and trend values are re-estimated quarterly when each new quarter's data becomes available. Figures are therefore revised, with the largest changes normally occurring in the latest quarters. Estimates are produced by the X-12-ARIMA seasonal adjustment program, developed at the U.S. Census Bureau.

See [seasonal adjustment within Statistics NZ](#) for more information.

Seasonally adjusted series

Seasonal adjustment removes the estimated impact of regular seasonal events, such as annual cycles in agricultural production, pre-Christmas shopping, and summer holidays, from statistical series. This makes figures for adjacent periods more comparable.

For the ESM, removing the purchasing monopoly in the dairy industry in mid-2002 caused an abrupt change to seasonal variation in the meat and dairy industry. In response, the calculation method for total sales was changed from direct to indirect (whereby component industries are individually adjusted before being summed). Direct and indirect adjustment methods are both used, according to appropriateness.

Trend series

Trend estimation removes the estimated impact of regular seasonal events and irregular short-term variation from statistical series. Trend estimates reveal the underlying direction of movement in a series, and are likely to indicate turning points more accurately than are seasonally adjusted estimates.

Standardising dairy industry quarters

Before December 2008, data for most dairy values were calculated on a non-standard quarter. This meant that the June quarter, for example, included dairy values for the months of March, April, and May, while the standard June quarter includes April, May, and June. From the June 2011 quarter onwards, Statistics NZ publishes standard quarter data, revising previously published data back to December 2008.

Use in national accounts

A key use of the ESM is in the quarterly gross domestic product (GDP) for calculating manufacturing 'value added' (value of output after the cost of input materials and services has been deducted). GDP base-year manufacturing value added is moved forward using volume indexes that are calculated from ESM sales and finished good stock changes (deflated by sub-indexes of the [producers price index](#)).

ESM volumes are supplemented with quantity production data for the following industries:

- meat and dairy product manufacturing
- petroleum and industrial chemical manufacturing
- basic metal manufacturing.

The ESM is also used in the expenditure measure of GDP for compiling stock change values at current and constant prices.

More information

See [Economic Survey of Manufacturing](#) for more information.

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Revisions

These revisions were the result of updated information from respondents.

Users of the manufacturing series should note these revisions also affected the corresponding volume series.

Revisions to June 2012 quarter – unadjusted current price series						
Industry	Variable	Series ref.	Published 10 Sep 2012		Published 10 Dec 2012	
		MFGQ.	\$(million)	% change from the same quarter in the previous year	\$(million)	% change from the same quarter in the previous year
Non-metallic mineral products	Stocks of finished goods	SJ5CA	231	7.1	226	4.7
Metal products	Salaries and wages	SK3CA	529	33.4	409	3.3

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Tables

The following tables are available in Excel format from the 'Downloads' box. If you have problems viewing the files, see [opening files and PDFs](#).

1. All manufacturing
2. All manufacturing excluding meat and dairy
3. Meat and dairy product manufacturing
4. Seafood processing
5. Fruit, oil, cereal, and other food manufacturing
6. Beverage and tobacco product manufacturing
7. Textile, leather, clothing, and footwear manufacturing
8. Wood and paper product manufacturing
9. Printing
10. Petroleum and coal product manufacturing
11. Chemical, polymer, and rubber product manufacturing
12. Non-metallic mineral product manufacturing
13. Metal product manufacturing
14. Transport equipment; machinery and equipment manufacturing
15. Furniture and other manufacturing
16. Purchases and operating expenditure
17. Salaries and wages
18. Additions and disposals of fixed assets

Access more data on Infoshare

Use [Infoshare](#) to access time-series data specific to your needs. For this release, select the following category from the Infoshare homepage:

Subject category: **Industry Sectors**
Group: Manufacturing Survey (ANZSIC06) - **MFG**

Table 1

All manufacturing
ANZSIC Division C

		Current values					Volumes (values at September 2010 quarter prices) ⁽¹⁾			
		Sales			Closing stocks of		Sales			Closing stocks of finished goods ⁽⁵⁾
		Unadjusted	Seasonally adjusted ⁽²⁾	Trend ⁽³⁾	Raw materials ⁽⁴⁾	Finished goods ⁽⁵⁾	Unadjusted	Seasonally adjusted ⁽²⁾	Trend ⁽³⁾	
Series ref: MFGQ	SZ1CA	SZ1CS	SZ1CT	SZ4CA	SZ5CA	SZ1KA	SZ1KS	SZ1KT	SZ5KA	
\$(million)⁽⁶⁾										
Quarter										
2007	Sep	20,012	20,834	20,889	3,690	7,778	22,955	23,901	23,961	9,566
	Dec	22,179	21,659	21,653	3,482	9,225	24,562	23,872	23,909	10,391
2008	Mar	22,233	22,362	22,288	3,709	10,056	23,712	23,970	23,923	10,839
	Jun	23,177	22,606	22,716	4,202	9,681	24,201	23,692	23,726	10,629
	Sep	21,891	23,064	23,028	4,195	9,110	22,075	23,049	23,083	9,672
	Dec	23,589	22,913	22,826	3,988	10,109	22,712	22,040	22,158	9,932
2009	Mar	22,552	22,534	21,836	3,829	11,678	22,426	22,373	21,396	11,756
	Jun	20,350	19,852	20,675	4,024	8,753	21,659	21,226	21,290	10,251
	Sep	18,798	20,039	20,097	3,591	8,033	20,517	21,790	21,832	9,295
	Dec	20,938	20,242	20,222	3,393	8,785	23,474	22,606	22,266	10,482
2010	Mar	20,801	20,688	20,672	3,367	9,822	22,008	21,980	22,070	10,797
	Jun	21,619	21,088	21,062	3,510	8,531	22,007	21,602	21,603	8,678
	Sep	19,907	21,371	21,397	3,556	8,230	19,907	21,153	21,523	8,230
	Dec	22,634	21,828	21,844	3,600	9,760	22,762	21,867	21,817	9,872
2011	Mar	22,568	22,399	22,396	3,785	10,632	22,170	22,104	22,078	10,556
	Jun	23,392	22,803	22,743	3,959	9,054	22,288	21,948	21,931	8,611
	Sep	21,168	22,808	22,905	4,131	9,339	20,308	21,670	21,754	8,968
	Dec	23,877	22,997	22,889	3,941	10,889	22,918	21,902	21,863	10,477
2012	Mar	22,824	22,634	22,662	4,093	11,164	22,227	22,147	22,069	10,997
	Jun	23,029	22,459	22,572	3,720	9,856 R	22,588	22,265	22,355	9,727 R
	Sep	21,178	22,829	22,729	3,852	9,437	21,150	22,834	22,759	9,542
Percentage change from the previous quarter⁽⁷⁾										
Quarter										
2010	Sep	-7.9	1.3	1.6	1.3	-3.5	-9.5	-2.1	-0.4	-5.2
	Dec	13.7	2.1	2.1	1.2	18.6	14.3	3.4	1.4	20.0
2011	Mar	-0.3	2.6	2.5	5.2	8.9	-2.6	1.1	1.2	6.9
	Jun	3.7	1.8	1.6	4.6	-14.8	0.5	-0.7	-0.7	-18.4
	Sep	-9.5	0.0	0.7	4.3	3.1	-8.9	-1.3	-0.8	4.1
	Dec	12.8	0.8	-0.1	-4.6	16.6	12.8	1.1	0.5	16.8
2012	Mar	-4.4	-1.6	-1.0	3.8	2.5	-3.0	1.1	0.9	5.0
	Jun	0.9	-0.8	-0.4	-9.1	-11.7 R	1.6	0.5	1.3	-11.5 R
	Sep	-8.0	1.6	0.7	3.5	-4.3	-6.4	2.6	1.8	-1.9
Percentage change from the same quarter of the previous year⁽⁷⁾										
Quarter										
2011	Sep	6.3	6.7	7.0	16.2	13.5	2.0	2.4	1.1	9.0
	Dec	5.5	5.4	4.8	9.5	11.6	0.7	0.2	0.2	6.1
2012	Mar	1.1	1.0	1.2	8.1	5.0	0.3	0.2	0.0	4.2
	Jun	-1.6	-1.5	-0.8	-6.0	8.9 R	1.3	1.4	1.9	13.0 R
	Sep	0.0	0.1	-0.8	-6.7	1.0	4.1	5.4	4.6	6.4

1. Volume series use price indexes to remove the effect of price changes and are recalculated each quarter.
2. Seasonally adjusted values exclude estimated seasonal fluctuations and are recalculated each quarter.
3. Trend values exclude estimated seasonal fluctuations and short-term irregular movements and are recalculated each quarter.
4. Materials for use in production.
5. Finished goods, trading goods, and work in progress.
6. Values exclude GST (goods and services tax).
7. Percentage changes are calculated on unrounded figures.

Note: ANZSIC Australian and New Zealand Standard Industrial Classification (2006)

Symbol: R revised

Source: Statistics New Zealand

Table 2

All manufacturing excluding meat and dairy
ANZSIC Division C (excluding ANZSIC C111 and C113)

		Current values					Volumes (values at September 2010 quarter prices) ⁽¹⁾			
		Sales			Closing stocks of		Sales			Closing stocks of finished goods ⁽⁵⁾
		Unadjusted	Seasonally adjusted ⁽²⁾	Trend ⁽³⁾	Raw materials ⁽⁴⁾	Finished goods ⁽⁵⁾	Unadjusted	Seasonally adjusted ⁽²⁾	Trend ⁽³⁾	
Series ref: MFGQ	SY1CA	SY1CS	SY1CT	SY4CA	SY5CA	SY1KA	SY1KS	SY1KT	SY5KA	
\$(million)⁽⁶⁾										
Quarter										
2007	Sep	15,525	15,356	15,428	3,467	6,023	17,571	17,433	17,503	7,443
	Dec	16,464	15,772	15,714	3,277	5,990	18,350	17,588	17,545	6,891
2008	Mar	15,124	16,084	16,164	3,474	6,219	16,611	17,610	17,691	7,098
	Jun	16,697	16,614	16,557	3,995	6,458	17,826	17,716	17,610	7,497
	Sep	16,704	16,584	16,576	3,947	6,807	17,091	17,025	17,058	7,452
	Dec	16,752	15,990	15,924	3,708	6,418	16,862	16,094	16,039	6,809
2009	Mar	14,082	14,930	14,997	3,560	6,521	14,186	15,016	15,115	6,747
	Jun	14,437	14,398	14,427	3,742	6,154	14,785	14,729	14,752	7,153
	Sep	14,516	14,467	14,478	3,304	6,045	14,995	14,986	14,979	6,570
	Dec	15,525	14,810	14,784	3,125	5,767	16,072	15,314	15,286	6,207
2010	Mar	14,187	14,950	14,892	3,061	5,694	14,541	15,307	15,254	6,049
	Jun	14,776	14,761	14,833	3,228	5,942	14,955	14,947	15,018	6,004
	Sep	14,911	14,907	14,864	3,279	5,658	14,911	14,939	14,918	5,658
	Dec	15,773	15,071	15,126	3,283	5,479	15,762	15,025	15,048	5,465
2011	Mar	14,810	15,526	15,501	3,408	5,509	14,544	15,235	15,210	5,390
	Jun	15,828	15,800	15,765	3,620	5,722	15,271	15,278	15,276	5,465
	Sep	15,712	15,762	15,779	3,768	6,012	15,138	15,204	15,186	5,740
	Dec	16,467	15,752	15,778	3,533	5,955	15,816	15,087	15,139	5,674
2012	Mar	15,187	15,877	15,864	3,696	6,040	14,595	15,246	15,229	5,745
	Jun	15,926	15,885	15,849	3,344	5,971 R	15,291	15,295	15,242	5,683 R
	Sep	15,622	15,708	15,742	3,453	6,214	14,990	15,085	15,133	5,880
Percentage change from the previous quarter⁽⁷⁾										
Quarter										
2010	Sep	0.9	1.0	0.2	1.6	-4.8	-0.3	-0.1	-0.7	-5.8
	Dec	5.8	1.1	1.8	0.1	-3.2	5.7	0.6	0.9	-3.4
2011	Mar	-6.1	3.0	2.5	3.8	0.6	-7.7	1.4	1.1	-1.4
	Jun	6.9	1.8	1.7	6.2	3.9	5.0	0.3	0.4	1.4
	Sep	-0.7	-0.2	0.1	4.1	5.1	-0.9	-0.5	-0.6	5.0
	Dec	4.8	-0.1	0.0	-6.2	-1.0	4.5	-0.8	-0.3	-1.2
2012	Mar	-7.8	0.8	0.5	4.6	1.4	-7.7	1.1	0.6	1.2
	Jun	4.9	0.0	-0.1	-9.5	-1.1 R	4.8	0.3	0.1	-1.1 R
	Sep	-1.9	-1.1	-0.7	3.3	4.1	-2.0	-1.4	-0.7	3.5
Percentage change from the same quarter of the previous year⁽⁷⁾										
Quarter										
2011	Sep	5.4	5.7	6.2	14.9	6.3	1.5	1.8	1.8	1.4
	Dec	4.4	4.5	4.3	7.6	8.7	0.3	0.4	0.6	3.8
2012	Mar	2.5	2.3	2.3	8.5	9.6	0.4	0.1	0.1	6.6
	Jun	0.6	0.5	0.5	-7.6	4.4 R	0.1	0.1	-0.2	4.0 R
	Sep	-0.6	-0.3	-0.2	-8.4	3.3	-1.0	-0.8	-0.4	2.4

1. Volume series use price indexes to remove the effect of price changes and are recalculated each quarter.
2. Seasonally adjusted values exclude estimated seasonal fluctuations and are recalculated each quarter.
3. Trend values exclude estimated seasonal fluctuations and short-term irregular movements and are recalculated each quarter.
4. Materials for use in production.
5. Finished goods, trading goods, and work in progress.
6. Values exclude GST (goods and services tax).
7. Percentage changes are calculated on unrounded figures.

Note: ANZSIC Australian and New Zealand Standard Industrial Classification (2006)

Symbol: R revised

Source: Statistics New Zealand

Table 3

Meat and dairy product manufacturing
ANZSIC C111 and C113

Series ref: MFGQ	Current values					Volumes (values at September 2010 quarter prices) ⁽¹⁾				
	Sales			Closing stocks of		Sales			Closing stocks of finished goods ⁽⁵⁾	
	Unadjusted	Seasonally adjusted ⁽²⁾	Trend ⁽³⁾	Raw materials ⁽⁴⁾	Finished goods ⁽⁵⁾	Unadjusted	Seasonally adjusted ⁽²⁾	Trend ⁽³⁾		
SA1CA	SA1CS	SA1CT	SA4CA	SA5CA	SA1KA	SA1KS	SA1KT	SA5KA		
\$(million)⁽⁶⁾										
Quarter										
2007	Sep	4,486	5,494	5,454	223	1,755	5,384	6,550	6,457	2,123
	Dec	5,715	5,835	5,915	205	3,236	6,213	6,198	6,360	3,499
2008	Mar	7,109	6,289	6,117	235	3,837	7,102	6,376	6,216	3,741
	Jun	6,480	6,006	6,176	208	3,222	6,375	5,997	6,108	3,132
	Sep	5,187	6,483	6,461	249	2,303	4,984	6,151	6,106	2,219
	Dec	6,838	6,901	6,859	280	3,691	5,849	5,760	6,200	3,123
2009	Mar	8,470	7,450	6,696	269	5,157	8,240	7,357	6,395	5,009
	Jun	5,913	5,493	6,055	282	2,600	6,874	6,514	6,667	3,099
	Sep	4,282	5,446	5,487	287	1,989	5,522	6,913	6,899	2,725
	Dec	5,412	5,404	5,414	269	3,018	7,402	7,199	6,971	4,275
2010	Mar	6,614	5,799	5,830	306	4,128	7,467	6,631	6,828	4,747
	Jun	6,843	6,369	6,260	282	2,588	7,052	6,730	6,599	2,674
	Sep	4,996	6,432	6,536	277	2,571	4,996	6,333	6,535	2,571
	Dec	6,861	6,788	6,703	317	4,281	7,000	6,725	6,635	4,407
2011	Mar	7,758	6,813	6,881	378	5,124	7,626	6,769	6,708	5,167
	Jun	7,564	7,037	6,977	339	3,332	7,017	6,719	6,722	3,146
	Sep	5,456	7,059	7,166	363	3,327	5,170	6,606	6,678	3,228
	Dec	7,410	7,300	7,131	408	4,934	7,102	6,770	6,670	4,803
2012	Mar	7,637	6,723	6,795	396	5,125	7,632	6,787	6,771	5,252
	Jun	7,102	6,594	6,741	377	3,885	7,297	6,983	7,137	4,044
	Sep	5,556	7,206	7,070	399	3,223	6,161	7,906	7,773	3,661
Percentage change from the previous quarter⁽⁷⁾										
Quarter										
2010	Sep	-27.0	1.0	4.4	-1.6	-0.7	-29.2	-5.9	-1.0	-3.8
	Dec	37.3	5.5	2.5	14.4	66.5	40.1	6.2	1.5	71.4
2011	Mar	13.1	0.4	2.7	19.2	19.7	8.9	0.7	1.1	17.2
	Jun	-2.5	3.3	1.4	-10.3	-35.0	-8.0	-0.7	0.2	-39.1
	Sep	-27.9	0.3	2.7	7.1	-0.2	-26.3	-1.7	-0.7	2.6
	Dec	35.8	3.4	-0.5	12.5	48.3	37.4	2.5	-0.1	48.8
2012	Mar	3.1	-7.9	-4.7	-2.8	3.9	7.5	0.3	1.5	9.3
	Jun	-7.0	-1.9	-0.8	-5.0	-24.2	-4.4	2.9	5.4	-23.0
	Sep	-21.8	9.3	4.9	5.9	-17.0	-15.6	13.2	8.9	-9.5
Percentage change from the same quarter of the previous year⁽⁷⁾										
Quarter										
2011	Sep	9.2	9.7	9.6	31.0	29.4	3.5	4.3	2.2	25.5
	Dec	8.0	7.6	6.4	28.7	15.2	1.5	0.7	0.5	9.0
2012	Mar	-1.6	-1.3	-1.3	4.9	0.0	0.1	0.3	0.9	1.6
	Jun	-6.1	-6.3	-3.4	11.2	16.6	4.0	3.9	6.2	28.5
	Sep	1.8	2.1	-1.3	10.0	-3.1	19.2	19.7	16.4	13.4

1. Volume series use price indexes to remove the effect of price changes and are recalculated each quarter.
2. Seasonally adjusted values exclude estimated seasonal fluctuations and are recalculated each quarter.
3. Trend values exclude estimated seasonal fluctuations and short-term irregular movements and are recalculated each quarter.
4. Materials for use in production.
5. Finished goods, trading goods, and work in progress.
6. Values exclude GST (goods and services tax).
7. Percentage changes are calculated on unrounded figures.

Note: ANZSIC Australian and New Zealand Standard Industrial Classification (2006)

Source: Statistics New Zealand

Table 4

Seafood processing
ANZSIC C112

Series ref: MFGQ	Current values					Volumes (values at September 2010 quarter prices) ⁽¹⁾				
	Sales			Closing stocks of		Sales			Closing stocks of finished goods ⁽⁵⁾	
	Unadjusted	Seasonally adjusted ⁽²⁾	Trend ⁽³⁾	Raw materials ⁽⁴⁾	Finished goods ⁽⁵⁾	Unadjusted	Seasonally adjusted ⁽²⁾	Trend ⁽³⁾		
SB1CA	SB1CS	SB1CT	SB4CA	SB5CA	SB1KA	SB1KS	SB1KT	SB5KA		
\$(million)⁽⁶⁾										
Quarter										
2007	Sep	450	448	450	97	343	633	625	626	482
	Dec	490	473	474	101	338	666	642	647	459
2008	Mar	476	499	493	105	352	630	669	663	465
	Jun	497	494	502	104	311	658	653	656	412
	Sep	512	514	507	112	324	629	625	623	397
	Dec	522	501	501	108	338	599	573	570	387
2009	Mar	462	484	487	97	384	464	493	530	386
	Jun	496	491	491	105	390	539	535	534	424
	Sep	500	506	506	106	356	564	565	565	401
	Dec	540	515	501	109	336	644	611	562	400
2010	Mar	453	475	483	96	362	487	516	522	389
	Jun	480	474	471	82	380	483	480	481	382
	Sep	459	469	470	118	332	459	464	463	332
	Dec	495	470	470	99	268	479	451	455	259
2011	Mar	449	471	471	93	257	424	448	443	243
	Jun	471	463	457	105	228	416	413	412	201
	Sep	422	433	440	89	291	370	377	381	256
	Dec	470	446	447	91	298	404	380	381	256
2012	Mar	494	518	471	80	276	431	455	407	241
	Jun	491	482	485	74	288	435	433	430	255
	Sep	480	494	493	88	294	436	445	447	267
Percentage change from the previous quarter⁽⁷⁾										
Quarter										
2010	Sep	-4.3	-1.1	-0.1	44.0	-12.4	-4.8	-3.1	-3.9	-12.9
	Dec	7.7	0.3	0.0	-16.0	-19.4	4.2	-2.8	-1.6	-22.0
2011	Mar	-9.2	0.2	0.2	-6.5	-3.9	-11.5	-0.7	-2.7	-6.4
	Jun	4.8	-1.7	-3.0	12.6	-11.5	-1.9	-7.8	-6.9	-17.2
	Sep	-10.4	-6.4	-3.8	-15.0	28.1	-10.9	-8.8	-7.7	27.3
	Dec	11.5	3.0	1.7	2.0	2.3	9.1	0.7	0.1	0.1
2012	Mar	5.0	16.1	5.3	-11.5	-7.5	6.7	19.9	6.8	-5.9
	Jun	-0.5	-6.8	2.9	-8.1	4.4	1.0	-4.9	5.8	5.9
	Sep	-2.4	2.5	1.8	19.9	2.1	0.1	2.9	3.9	4.8
Percentage change from the same quarter of the previous year⁽⁷⁾										
Quarter										
2011	Sep	-8.2	-7.6	-6.4	-24.8	-12.3	-19.4	-18.9	-17.7	-23.0
	Dec	-4.9	-5.1	-4.9	-8.8	11.4	-15.6	-15.9	-16.3	-1.1
2012	Mar	9.9	9.9	-0.1	-13.6	7.3	1.7	1.6	-8.1	-0.7
	Jun	4.4	4.2	6.0	-29.4	26.6	4.7	4.7	4.3	27.0
	Sep	13.7	14.1	12.2	-0.4	0.9	17.7	18.1	17.5	4.5

1. Volume series use price indexes to remove the effect of price changes and are recalculated each quarter.
2. Seasonally adjusted values exclude estimated seasonal fluctuations and are recalculated each quarter.
3. Trend values exclude estimated seasonal fluctuations and short-term irregular movements and are recalculated each quarter.
4. Materials for use in production.
5. Finished goods, trading goods and work in progress.
6. Values exclude GST (goods and services tax).
7. Percentage changes are calculated on unrounded figures.

Note: ANZSIC Australian and New Zealand Standard Industrial Classification (2006)

Source: Statistics New Zealand

Table 5

Fruit, oil, cereal, and other food manufacturing
 ANZSIC C114–C119

Series ref: MFGQ	Current values					Volumes (values at September 2010 quarter prices) ⁽¹⁾				
	Sales			Closing stocks of		Sales			Closing stocks of finished goods ⁽⁵⁾	
	Unadjusted	Seasonally adjusted ⁽²⁾	Trend ⁽³⁾	Raw materials ⁽⁴⁾	Finished goods ⁽⁵⁾	Unadjusted	Seasonally adjusted ⁽²⁾	Trend ⁽³⁾		
SC1CA	SC1CS	SC1CT	SC4CA	SC5CA	SC1KA	SC1KS	SC1KT	SC5KA		
\$(million)⁽⁶⁾										
Quarter										
2007	Sep	1,641	1,628	1,639	226	535	1,986	1,969	1,980	647
	Dec	1,789	1,731	1,731	259	527	2,140	2,057	2,060	630
2008	Mar	1,737	1,817	1,800	249	548	2,013	2,124	2,105	636
	Jun	1,813	1,808	1,828	237	486	2,073	2,066	2,084	556
	Sep	1,868	1,856	1,846	250	506	2,056	2,041	2,033	557
	Dec	1,906	1,838	1,826	251	527	2,045	1,960	1,947	566
2009	Mar	1,685	1,765	1,788	282	600	1,717	1,815	1,865	611
	Jun	1,807	1,804	1,792	277	609	1,875	1,871	1,859	632
	Sep	1,825	1,814	1,821	279	557	1,904	1,891	1,898	581
	Dec	1,971	1,896	1,815	275	525	2,086	1,995	1,884	555
2010	Mar	1,654	1,735	1,781	233	565	1,705	1,804	1,818	582
	Jun	1,735	1,734	1,727	292	592	1,747	1,743	1,736	596
	Sep	1,694	1,683	1,693	318	545	1,694	1,682	1,688	545
	Dec	1,763	1,695	1,690	218	459	1,755	1,678	1,679	457
2011	Mar	1,629	1,709	1,710	242	535	1,609	1,702	1,697	528
	Jun	1,737	1,736	1,740	276	538	1,708	1,705	1,710	529
	Sep	1,779	1,767	1,753	246	577	1,723	1,712	1,699	559
	Dec	1,810	1,740	1,759	240	516	1,754	1,676	1,697	500
2012	Mar	1,698	1,782	1,766	250	624	1,645	1,740	1,709	605
	Jun	1,760	1,758	1,764	273	646	1,709	1,706	1,712	627
	Sep	1,762	1,751	1,748	272	576	1,709	1,698	1,696	559
Percentage change from the previous quarter⁽⁷⁾										
Quarter										
2010	Sep	-2.4	-2.9	-2.0	9.0	-7.8	-3.0	-3.5	-2.8	-8.4
	Dec	4.1	0.7	-0.2	-31.5	-15.9	3.6	-0.3	-0.5	-16.3
2011	Mar	-7.6	0.8	1.2	10.9	16.6	-8.3	1.5	1.0	15.7
	Jun	6.6	1.6	1.7	14.2	0.6	6.1	0.2	0.8	0.1
	Sep	2.4	1.8	0.8	-10.9	7.3	0.9	0.4	-0.7	5.7
	Dec	1.8	-1.5	0.3	-2.7	-10.6	1.8	-2.1	-0.1	-10.6
2012	Mar	-6.2	2.4	0.4	4.5	21.0	-6.2	3.8	0.7	21.0
	Jun	3.7	-1.3	-0.1	9.0	3.5	3.9	-1.9	0.1	3.7
	Sep	0.1	-0.4	-0.9	-0.3	-10.8	0.0	-0.5	-0.9	-10.8
Percentage change from the same quarter of the previous year⁽⁷⁾										
Quarter										
2011	Sep	5.0	5.0	3.6	-22.6	5.8	1.8	1.8	0.6	2.5
	Dec	2.7	2.7	4.1	9.8	12.5	-0.1	-0.1	1.1	9.5
2012	Mar	4.2	4.3	3.3	3.5	16.7	2.2	2.2	0.7	14.5
	Jun	1.4	1.3	1.4	-1.3	20.1	0.1	0.0	0.1	18.6
	Sep	-0.9	-0.9	-0.3	10.5	-0.1	-0.8	-0.8	-0.2	0.0

- Volume series use price indexes to remove the effect of price changes and are recalculated each quarter.
- Seasonally adjusted values exclude estimated seasonal fluctuations and are recalculated each quarter.
- Trend values exclude estimated seasonal fluctuations and short-term irregular movements and are recalculated each quarter.
- Materials for use in production.
- Finished goods, trading goods, and work in progress.
- Values exclude GST (goods and services tax).
- Percentage changes are calculated on unrounded figures.

Note: ANZSIC Australian and New Zealand Standard Industrial Classification (2006)

Source: Statistics New Zealand

Table 6

Beverage and tobacco product manufacturing
ANZSIC C12

Series ref: MFGQ	Current values					Volumes (values at September 2010 quarter prices) ⁽¹⁾				
	Sales			Closing stocks of		Sales			Closing stocks of finished goods ⁽⁵⁾	
	Unadjusted	Seasonally adjusted ⁽²⁾	Trend ⁽³⁾	Raw materials ⁽⁴⁾	Finished goods ⁽⁵⁾	Unadjusted	Seasonally adjusted ⁽²⁾	Trend ⁽³⁾		
	SD1CA	SD1CS	SD1CT	SD4CA	SD5CA	SD1KA	SD1KS	SD1KT	SD5KA	
\$(million)⁽⁶⁾										
Quarter										
2007	Sep	820	895	895	261	645	997	1,095	1,091	784
	Dec	1,079	905	908	204	588	1,297	1,091	1,099	705
2008	Mar	872	925	922	219	571	1,044	1,105	1,102	683
	Jun	886	931	932	256	793	1,060	1,104	1,096	947
	Sep	855	938	936	277	906	978	1,080	1,085	1,035
	Dec	1,129	946	949	235	813	1,272	1,069	1,081	913
2009	Mar	919	973	972	225	879	1,032	1,090	1,081	986
	Jun	940	988	983	293	921	1,046	1,089	1,076	1,024
	Sep	893	981	991	272	897	945	1,048	1,069	948
	Dec	1,217	1,018	1,014	224	835	1,272	1,067	1,061	870
2010	Mar	1,001	1,061	1,025	232	771	1,045	1,105	1,054	803
	Jun	963	1,013	1,022	315	815	995	1,036	1,054	842
	Sep	954	1,048	1,052	283	806	954	1,057	1,064	806
	Dec	1,321	1,104	1,089	237	755	1,318	1,106	1,082	754
2011	Mar	1,035	1,098	1,113	224	711	1,027	1,086	1,106	705
	Jun	1,091	1,148	1,146	298	773	1,073	1,118	1,118	760
	Sep	1,066	1,170	1,155	309	854	1,032	1,142	1,116	826
	Dec	1,338	1,118	1,134	252	855	1,299	1,089	1,111	830
2012	Mar	1,075	1,143	1,141	268	879	1,041	1,102	1,103	851
	Jun	1,121	1,179	1,172	333	854	1,091	1,137	1,128	830
	Sep	1,080	1,184	1,190	315	874	1,027	1,136	1,142	831
Percentage change from the previous quarter⁽⁷⁾										
Quarter										
2010	Sep	-0.9	3.5	2.9	-10.1	-1.1	-4.1	2.1	0.9	-4.3
	Dec	38.4	5.3	3.6	-16.4	-6.3	38.1	4.6	1.8	-6.5
2011	Mar	-21.7	-0.5	2.2	-5.6	-5.9	-22.1	-1.9	2.1	-6.4
	Jun	5.5	4.5	2.9	33.2	8.8	4.5	3.0	1.1	7.8
	Sep	-2.3	2.0	0.8	3.9	10.4	-3.9	2.2	-0.1	8.7
	Dec	25.6	-4.5	-1.9	-18.4	0.2	25.9	-4.7	-0.5	0.5
2012	Mar	-19.6	2.2	0.7	6.2	2.7	-19.9	1.2	-0.7	2.4
	Jun	4.3	3.2	2.7	24.2	-2.9	4.8	3.2	2.3	-2.4
	Sep	-3.7	0.4	1.6	-5.3	2.4	-5.8	-0.2	1.3	0.1
Percentage change from the same quarter of the previous year⁽⁷⁾										
Quarter										
2011	Sep	11.7	11.6	9.9	9.3	5.9	8.1	8.0	4.9	2.5
	Dec	1.3	1.2	4.1	6.6	13.2	-1.4	-1.5	2.6	10.2
2012	Mar	3.9	4.0	2.5	19.9	23.6	1.4	1.5	-0.2	20.6
	Jun	2.7	2.8	2.3	11.8	10.4	1.6	1.8	1.0	9.2
	Sep	1.3	1.2	3.0	1.9	2.4	-0.4	-0.6	2.3	0.6

1. Volume series use price indexes to remove the effect of price changes and are recalculated each quarter.
2. Seasonally adjusted values exclude estimated seasonal fluctuations and are recalculated each quarter.
3. Trend values exclude estimated seasonal fluctuations and short-term irregular movements and are recalculated each quarter.
4. Materials for use in production.
5. Finished goods, trading goods, and work in progress.
6. Values exclude GST (goods and services tax).
7. Percentage changes are calculated on unrounded figures.

Note: ANZSIC Australian and New Zealand Standard Industrial Classification (2006)

Source: Statistics New Zealand

Table 7

Textile, leather, clothing, and footwear manufacturing
ANZSIC C13

Series ref: MFGQ	Current values					Volumes (values at September 2010 quarter prices) ⁽¹⁾				
	Sales			Closing stocks of		Sales			Closing stocks of finished goods ⁽⁵⁾	
	Unadjusted	Seasonally adjusted ⁽²⁾	Trend ⁽³⁾	Raw materials ⁽⁴⁾	Finished goods ⁽⁵⁾	Unadjusted	Seasonally adjusted ⁽²⁾	Trend ⁽³⁾		
SE1CA	SE1CS	SE1CT	SE4CA	SE5CA	SE1KA	SE1KS	SE1KT	SE5KA		
\$(million)⁽⁶⁾										
Quarter										
2007	Sep	701	684	676	207	369	728	709	702	383
	Dec	657	658	660	209	349	675	677	679	358
2008	Mar	607	630	630	187	357	624	645	645	367
	Jun	619	610	612	171	349	629	623	625	356
	Sep	617	603	601	170	361	630	614	611	368
	Dec	585	586	587	181	383	595	596	600	392
2009	Mar	548	568	567	153	296	573	592	590	308
	Jun	554	546	545	170	298	583	578	576	314
	Sep	542	530	538	144	294	575	561	571	312
	Dec	556	556	553	141	262	581	583	579	275
2010	Mar	542	561	555	128	267	561	578	572	275
	Jun	505	499	537	143	275	514	510	544	280
	Sep	537	526	517	141	256	537	524	515	256
	Dec	501	502	510	153	244	490	492	496	239
2011	Mar	503	519	516	167	254	470	483	480	237
	Jun	534	528	526	187	245	470	467	467	216
	Sep	535	523	526	170	270	463	452	453	234
	Dec	522	523	519	172	254	443	444	442	215
2012	Mar	493	508	513	174	255	428	439	443	222
	Jun	523	518	515	170	233	460	458	456	206
	Sep	532	522	523	157	241	484	473	474	219
Percentage change from the previous quarter⁽⁷⁾										
Quarter										
2010	Sep	6.4	5.3	-3.7	-1.2	-6.9	4.5	2.7	-5.2	-8.6
	Dec	-6.6	-4.5	-1.4	8.4	-4.6	-8.7	-6.2	-3.7	-6.7
2011	Mar	0.4	3.3	1.2	8.7	3.8	-4.2	-1.8	-3.2	-0.9
	Jun	6.0	1.8	2.0	12.4	-3.4	0.0	-3.3	-2.7	-8.9
	Sep	0.2	-0.9	0.0	-9.2	10.1	-1.4	-3.1	-3.1	8.4
	Dec	-2.3	0.0	-1.4	0.8	-5.9	-4.4	-1.8	-2.3	-8.0
2012	Mar	-5.6	-2.9	-1.1	1.3	0.6	-3.4	-1.1	0.0	3.0
	Jun	6.0	1.9	0.5	-2.1	-8.6	7.6	4.3	3.1	-7.2
	Sep	1.8	0.8	1.4	-7.6	3.3	5.2	3.3	3.9	6.7
Percentage change from the same quarter of the previous year⁽⁷⁾										
Quarter										
2011	Sep	-0.5	-0.4	1.7	20.4	5.4	-13.8	-13.7	-12.1	-8.6
	Dec	4.2	4.2	1.7	11.9	3.9	-9.7	-9.7	-10.8	-9.9
2012	Mar	-2.0	-2.1	-0.6	4.2	0.7	-9.0	-9.1	-7.9	-6.5
	Jun	-2.0	-2.0	-2.1	-9.3	-4.7	-2.0	-2.0	-2.4	-4.7
	Sep	-0.4	-0.3	-0.6	-7.7	-10.6	4.5	4.6	4.6	-6.2

1. Volume series use price indexes to remove the effect of price changes and are recalculated each quarter.
2. Seasonally adjusted values exclude estimated seasonal fluctuations and are recalculated each quarter.
3. Trend values exclude estimated seasonal fluctuations and short-term irregular movements and are recalculated each quarter.
4. Materials for use in production.
5. Finished goods, trading goods, and work in progress.
6. Values exclude GST (goods and services tax).
7. Percentage changes are calculated on unrounded figures.

Note: ANZSIC Australian and New Zealand Standard Industrial Classification (2006)

Source: Statistics New Zealand

Table 8

Wood and paper product manufacturing
 ANZSIC C14, C15

Series ref: MFGQ	Current values					Volumes (values at September 2010 quarter prices) ⁽¹⁾				
	Sales			Closing stocks of		Sales			Closing stocks of finished goods ⁽⁵⁾	
	Unadjusted	Seasonally adjusted ⁽²⁾	Trend ⁽³⁾	Raw materials ⁽⁴⁾	Finished goods ⁽⁵⁾	Unadjusted	Seasonally adjusted ⁽²⁾	Trend ⁽³⁾		
SF1CA	SF1CS	SF1CT	SF4CA	SF5CA	SF1KA	SF1KS	SF1KT	SF5KA		
\$(million)⁽⁶⁾										
Quarter										
2007	Sep	2,072	2,024	2,026	350	735	2,126	2,083	2,094	757
	Dec	2,063	1,995	1,992	323	693	2,120	2,057	2,058	714
2008	Mar	1,810	1,943	1,952	338	758	1,898	2,034	2,035	796
	Jun	1,943	1,925	1,914	344	761	2,018	1,988	1,977	791
	Sep	1,922	1,875	1,894	322	782	1,929	1,888	1,905	788
	Dec	1,955	1,888	1,854	338	762	1,907	1,851	1,832	746
2009	Mar	1,640	1,764	1,772	343	758	1,646	1,765	1,776	760
	Jun	1,717	1,699	1,713	293	684	1,806	1,779	1,789	717
	Sep	1,791	1,749	1,734	301	681	1,926	1,885	1,872	732
	Dec	1,851	1,786	1,799	280	643	1,995	1,937	1,940	693
2010	Mar	1,745	1,880	1,870	277	648	1,832	1,962	1,961	681
	Jun	1,939	1,916	1,920	295	643	1,982	1,953	1,954	657
	Sep	1,964	1,920	1,909	315	731	1,964	1,922	1,914	731
	Dec	1,879	1,813	1,887	312	688	1,901	1,848	1,892	696
2011	Mar	1,759	1,894	1,883	320	668	1,791	1,915	1,898	680
	Jun	1,902	1,877	1,874	294	685	1,925	1,898	1,904	693
	Sep	1,883	1,843	1,854	335	704	1,937	1,897	1,897	725
	Dec	1,920	1,854	1,841	309	729	1,955	1,901	1,899	743
2012	Mar	1,691	1,820	1,834	278	697	1,771	1,892	1,895	730
	Jun	1,858	1,833	1,821	252	685	1,900	1,873	1,864	701
	Sep	1,837	1,798	1,807	258	699	1,852	1,813	1,820	705
Percentage change from the previous quarter⁽⁷⁾										
Quarter										
2010	Sep	1.3	0.2	-0.6	6.8	13.7	-0.9	-1.6	-2.0	11.2
	Dec	-4.3	-5.6	-1.1	-1.1	-5.9	-3.2	-3.9	-1.2	-4.8
2011	Mar	-6.4	4.4	-0.2	2.7	-2.9	-5.8	3.6	0.3	-2.2
	Jun	8.2	-0.9	-0.5	-8.0	2.5	7.5	-0.9	0.3	1.9
	Sep	-1.0	-1.8	-1.1	13.7	2.9	0.6	-0.1	-0.4	4.6
	Dec	1.9	0.6	-0.7	-7.7	3.5	0.9	0.2	0.1	2.5
2012	Mar	-11.9	-1.8	-0.4	-9.9	-4.5	-9.4	-0.5	-0.2	-1.8
	Jun	9.9	0.7	-0.7	-9.3	-1.6	7.3	-1.0	-1.6	-3.9
	Sep	-1.2	-1.9	-0.8	2.4	2.0	-2.6	-3.2	-2.4	0.5
Percentage change from the same quarter of the previous year⁽⁷⁾										
Quarter										
2011	Sep	-4.1	-4.0	-2.9	6.2	-3.6	-1.3	-1.3	-0.9	-0.8
	Dec	2.2	2.3	-2.5	-1.0	6.1	2.8	2.9	0.4	6.7
2012	Mar	-3.8	-3.9	-2.6	-13.1	4.3	-1.1	-1.2	-0.2	7.2
	Jun	-2.3	-2.4	-2.9	-14.3	0.1	-1.3	-1.3	-2.1	1.1
	Sep	-2.5	-2.4	-2.5	-22.8	-0.8	-4.4	-4.4	-4.0	-2.8

- Volume series use price indexes to remove the effect of price changes and are recalculated each quarter.
- Seasonally adjusted values exclude estimated seasonal fluctuations and are recalculated each quarter.
- Trend values exclude estimated seasonal fluctuations and short-term irregular movements and are recalculated each quarter.
- Materials for use in production.
- Finished goods, trading goods, and work in progress.
- Values exclude GST (goods and services tax).
- Percentage changes are calculated on unrounded figures.

Note: ANZSIC Australian and New Zealand Standard Industrial Classification (2006)

Source: Statistics New Zealand

Table 9

Printing
ANZSIC C16

Series ref: MFGQ	Current values					Volumes (values at September 2010 quarter prices) ⁽¹⁾				
	Sales			Closing stocks of		Sales			Closing stocks of finished goods ⁽⁵⁾	
	Unadjusted	Seasonally adjusted ⁽²⁾	Trend ⁽³⁾	Raw materials ⁽⁴⁾	Finished goods ⁽⁵⁾	Unadjusted	Seasonally adjusted ⁽²⁾	Trend ⁽³⁾		
SG1CA	SG1CS	SG1CT	SG4CA	SG5CA	SG1KA	SG1KS	SG1KT	SG5KA		
\$(million)⁽⁶⁾										
Quarter										
2007	Sep	472	465	471	55	50	505	500	506	53
	Dec	493	477	474	53	47	532	512	509	50
2008	Mar	448	476	478	57	46	483	512	514	50
	Jun	478	473	471	61	56	514	509	509	60
	Sep	459	452	451	69	49	497	492	490	53
	Dec	441	426	428	65	52	476	459	460	56
2009	Mar	397	421	426	60	50	418	442	448	53
	Jun	446	443	432	50	41	461	458	447	43
	Sep	429	423	433	48	43	441	436	446	44
	Dec	455	441	436	50	44	468	452	448	45
2010	Mar	413	438	435	51	45	425	449	446	46
	Jun	423	420	426	57	47	431	428	434	47
	Sep	433	427	422	53	41	433	428	425	41
	Dec	452	437	415	59	42	452	436	414	42
2011	Mar	355	375	405	53	36	354	373	403	36
	Jun	408	405	405	55	36	406	404	403	36
	Sep	418	412	413	61	47	413	408	408	46
	Dec	434	420	422	59	37	428	413	415	37
2012	Mar	401	423	414	62	36	394	415	407	35
	Jun	387	386	396	57	39	380	379	388	38
	Sep	394	389	381	46	43	382	378	371	42
Percentage change from the previous quarter⁽⁷⁾										
Quarter										
2010	Sep	2.3	1.5	-0.8	-7.7	-13.0	0.5	0.0	-2.1	-14.5
	Dec	4.4	2.5	-1.7	11.7	3.2	4.3	1.8	-2.5	3.1
2011	Mar	-21.4	-14.2	-2.6	-10.7	-14.4	-21.7	-14.3	-2.7	-14.6
	Jun	14.7	8.0	0.0	3.6	1.1	14.8	8.2	0.0	1.2
	Sep	2.7	1.8	1.9	11.2	29.0	1.6	1.0	1.4	27.6
	Dec	3.8	1.9	2.3	-3.5	-20.3	3.7	1.1	1.7	-20.4
2012	Mar	-7.7	0.6	-1.8	6.4	-3.4	-7.9	0.5	-2.0	-3.5
	Jun	-3.4	-8.7	-4.4	-8.1	8.3	-3.6	-8.8	-4.7	8.1
	Sep	1.9	0.7	-3.7	-19.0	11.0	0.6	-0.2	-4.3	9.4
Percentage change from the same quarter of the previous year⁽⁷⁾										
Quarter										
2011	Sep	-3.4	-3.3	-2.3	14.9	15.3	-4.7	-4.7	-3.8	13.7
	Dec	-3.9	-3.9	1.6	-0.7	-11.0	-5.2	-5.2	0.3	-12.2
2012	Mar	12.8	12.6	2.4	18.3	0.4	11.4	11.2	1.0	-0.9
	Jun	-5.0	-4.8	-2.1	4.9	7.6	-6.5	-6.3	-3.7	5.9
	Sep	-5.7	-5.8	-7.6	-23.5	-7.5	-7.4	-7.5	-9.1	-9.2

1. Volume series use price indexes to remove the effect of price changes and are recalculated each quarter.
2. Seasonally adjusted values exclude estimated seasonal fluctuations and are recalculated each quarter.
3. Trend values exclude estimated seasonal fluctuations and short-term irregular movements and are recalculated each quarter.
4. Materials for use in production.
5. Finished goods, trading goods, and work in progress.
6. Values exclude GST (goods and services tax).
7. Percentage changes are calculated on unrounded figures.

Note: ANZSIC Australian and New Zealand Standard Industrial Classification (2006)

Source: Statistics New Zealand

Table 10

Petroleum and coal product manufacturing
ANZSIC C17

Series ref: MFGQ	Current values					Volumes (values at September 2010 quarter prices) ⁽¹⁾				
	Sales			Closing stocks of		Sales			Closing stocks of finished goods ⁽⁵⁾	
	Unadjusted	Seasonally adjusted ⁽²⁾	Trend ⁽³⁾	Raw materials ⁽⁴⁾	Finished goods ⁽⁵⁾	Unadjusted	Seasonally adjusted ⁽²⁾	Trend ⁽³⁾		
	SH1CA	SH1CS	SH1CT	SH4CA	SH5CA	SH1KA	SH1KS	SH1KT	SH5KA	
\$(million)⁽⁶⁾										
Quarter										
2007	Sep	1,524	1,524	1,569	614	641	1,602	1,602	1,633	1,251
	Dec	1,747	1,747	1,691	542	830	1,721	1,721	1,687	1,029
2008	Mar	1,794	1,794	1,869	665	964	1,688	1,688	1,709	1,202
	Jun	2,064	2,064	1,983	1,036	1,145	1,688	1,688	1,660	1,600
	Sep	1,934	1,934	1,997	882	957	1,469	1,469	1,677	1,261
	Dec	1,893	1,893	1,834	540	642	1,767	1,767	1,710	971
2009	Mar	1,579	1,579	1,612	489	793	1,639	1,639	1,652	982
	Jun	1,433	1,433	1,436	790	782	1,524	1,524	1,532	1,597
	Sep	1,440	1,440	1,444	492	709	1,532	1,532	1,553	1,063
	Dec	1,545	1,545	1,545	398	744	1,665	1,665	1,638	1,003
2010	Mar	1,636	1,636	1,609	470	708	1,648	1,648	1,641	919
	Jun	1,596	1,596	1,625	431	881	1,577	1,577	1,602	871
	Sep	1,671	1,671	1,651	376	678	1,671	1,671	1,636	678
	Dec	1,706	1,706	1,717	565	773	1,685	1,685	1,671	764
2011	Mar	1,811	1,811	1,824	632	780	1,630	1,630	1,637	702
	Jun	1,949	1,949	1,905	805	904	1,587	1,587	1,577	736
	Sep	1,907	1,907	1,965	800	791	1,574	1,574	1,615	653
	Dec	2,075	2,075	2,043	607	812	1,738	1,738	1,696	680
2012	Mar	2,055	2,055	2,040	892	930	1,668	1,668	1,665	755
	Jun	1,886	1,886	1,911	526	786	1,517	1,517	1,543	632
	Sep	1,804	1,804	1,788	619	961	1,472	1,472	1,452	784
Percentage change from the previous quarter⁽⁷⁾										
Quarter										
2010	Sep	4.7	4.7	1.6	-12.7	-23.0	5.9	5.9	2.1	-22.1
	Dec	2.1	2.1	3.9	50.2	14.1	0.9	0.9	2.2	12.7
2011	Mar	6.1	6.1	6.2	11.9	0.9	-3.3	-3.3	-2.1	-8.1
	Jun	7.6	7.6	4.4	27.2	15.9	-2.6	-2.6	-3.6	4.9
	Sep	-2.1	-2.1	3.2	-0.6	-12.5	-0.8	-0.8	2.4	-11.4
	Dec	8.8	8.8	4.0	-24.1	2.7	10.4	10.4	5.0	4.2
2012	Mar	-1.0	-1.0	-0.1	47.0	14.5	-4.0	-4.0	-1.8	11.0
	Jun	-8.2	-8.2	-6.4	-41.0	-15.5	-9.0	-9.0	-7.3	-16.3
	Sep	-4.3	-4.3	-6.4	17.7	22.4	-3.0	-3.0	-5.9	24.1
Percentage change from the same quarter of the previous year⁽⁷⁾										
Quarter										
2011	Sep	14.2	14.2	19.0	112.4	16.6	-5.8	-5.8	-1.3	-3.8
	Dec	21.6	21.6	19.0	7.3	5.0	3.1	3.1	1.5	-11.0
2012	Mar	13.5	13.5	11.9	41.0	19.2	2.3	2.3	1.7	7.5
	Jun	-3.2	-3.2	0.3	-34.6	-13.1	-4.4	-4.4	-2.2	-14.2
	Sep	-5.4	-5.4	-9.0	-22.6	21.5	-6.5	-6.5	-10.1	20.1

1. Volume series use price indexes to remove the effect of price changes and are recalculated each quarter.
2. Seasonally adjusted values exclude estimated seasonal fluctuations and are recalculated each quarter.
3. Trend values exclude estimated seasonal fluctuations and short-term irregular movements and are recalculated each quarter.
4. Materials for use in production.
5. Finished goods, trading goods, and work in progress.
6. Values exclude GST (goods and services tax).
7. Percentage changes are calculated on unrounded figures.

Note: ANZSIC Australian and New Zealand Standard Industrial Classification (2006)

Source: Statistics New Zealand

Table 11

Chemical, polymer, and rubber product manufacturing
ANZSIC C18, C19

Series ref: MFGQ	Current values					Volumes (values at September 2010 quarter prices) ⁽¹⁾				
	Sales			Closing stocks of		Sales			Closing stocks of finished goods ⁽⁵⁾	
	Unadjusted	Seasonally adjusted ⁽²⁾	Trend ⁽³⁾	Raw materials ⁽⁴⁾	Finished goods ⁽⁵⁾	Unadjusted	Seasonally adjusted ⁽²⁾	Trend ⁽³⁾		
SI1CA	SI1CS	SI1CT	SI4CA	SI5CA	SI1KA	SI1KS	SI1KT	SI5KA		
\$(million)⁽⁶⁾										
Quarter										
2007	Sep	1,710	1,779	1,787	439	870	1,959	2,040	2,045	982
	Dec	2,060	1,818	1,808	379	745	2,271	2,035	2,023	821
2008	Mar	1,697	1,833	1,837	405	828	1,849	1,980	1,997	888
	Jun	1,855	1,887	1,905	467	818	1,966	1,979	1,969	867
	Sep	1,910	1,999	1,953	466	1,093	1,900	1,994	1,904	1,063
	Dec	2,133	1,878	1,877	565	1,078	1,929	1,726	1,780	937
2009	Mar	1,595	1,722	1,766	586	996	1,571	1,676	1,692	938
	Jun	1,724	1,747	1,725	521	841	1,677	1,685	1,676	816
	Sep	1,612	1,699	1,706	456	883	1,591	1,683	1,678	852
	Dec	1,918	1,687	1,690	398	742	1,863	1,663	1,672	724
2010	Mar	1,589	1,711	1,714	395	780	1,596	1,691	1,691	778
	Jun	1,713	1,732	1,710	392	787	1,703	1,715	1,697	782
	Sep	1,577	1,672	1,701	419	798	1,577	1,680	1,704	798
	Dec	2,001	1,758	1,750	415	742	1,992	1,772	1,773	739
2011	Mar	1,773	1,902	1,817	397	725	1,757	1,855	1,826	718
	Jun	1,811	1,830	1,841	383	800	1,768	1,784	1,808	781
	Sep	1,760	1,875	1,877	484	896	1,694	1,813	1,818	862
	Dec	2,201	1,933	1,925	486	856	2,108	1,872	1,847	820
2012	Mar	1,816	1,943	1,935	472	826	1,729	1,819	1,833	787
	Jun	1,925	1,945	1,977	421	890	1,837	1,857	1,875	850
	Sep	1,955	2,090	2,064	481	961	1,856	1,992	1,974	912
Percentage change from the previous quarter⁽⁷⁾										
Quarter										
2010	Sep	-8.0	-3.5	-0.5	6.8	1.5	-7.4	-2.0	0.4	2.0
	Dec	26.9	5.1	2.9	-0.9	-7.0	26.4	5.5	4.0	-7.4
2011	Mar	-11.4	8.2	3.8	-4.3	-2.3	-11.8	4.7	3.0	-2.8
	Jun	2.1	-3.8	1.3	-3.6	10.4	0.6	-3.8	-1.0	8.8
	Sep	-2.8	2.4	2.0	26.3	12.0	-4.2	1.6	0.6	10.4
	Dec	25.1	3.1	2.6	0.4	-4.5	24.5	3.3	1.6	-4.9
2012	Mar	-17.5	0.5	0.5	-2.9	-3.5	-18.0	-2.9	-0.7	-4.0
	Jun	6.0	0.1	2.2	-10.7	7.8	6.2	2.1	2.3	8.0
	Sep	1.5	7.4	4.4	14.1	7.9	1.0	7.3	5.3	7.4
Percentage change from the same quarter of the previous year⁽⁷⁾										
Quarter										
2011	Sep	11.6	12.1	10.4	15.5	12.2	7.4	7.9	6.7	8.0
	Dec	10.0	10.0	10.0	17.0	15.3	5.8	5.7	4.2	10.9
2012	Mar	2.4	2.1	6.5	18.7	14.0	-1.6	-1.9	0.4	9.6
	Jun	6.3	6.3	7.4	10.0	11.3	3.9	4.1	3.7	8.8
	Sep	11.1	11.5	10.0	-0.6	7.2	9.6	9.9	8.6	5.8

1. Volume series use price indexes to remove the effect of price changes and are recalculated each quarter.
2. Seasonally adjusted values exclude estimated seasonal fluctuations and are recalculated each quarter.
3. Trend values exclude estimated seasonal fluctuations and short-term irregular movements and are recalculated each quarter.
4. Materials for use in production.
5. Finished goods, trading goods, and work in progress.
6. Values exclude GST (goods and services tax).
7. Percentage changes are calculated on unrounded figures.

Note: ANZSIC Australian and New Zealand Standard Industrial Classification (2006)

Source: Statistics New Zealand

Table 12

Non-metallic mineral product manufacturing ANZSIC C20

Series ref: MFGQ	Current values					Volumes (values at September 2010 quarter prices) ⁽¹⁾				
	Sales			Closing stocks of		Sales			Closing stocks of finished goods ⁽⁵⁾	
	Unadjusted	Seasonally adjusted ⁽²⁾	Trend ⁽³⁾	Raw materials ⁽⁴⁾	Finished goods ⁽⁵⁾	Unadjusted	Seasonally adjusted ⁽²⁾	Trend ⁽³⁾		
	SJ1CA	SJ1CS	SJ1CT	SJ4CA	SJ5CA	SJ1KA	SJ1KS	SJ1KT	SJ5KA	
\$(million)⁽⁶⁾										
Quarter										
2007	Sep	733	726	739	69	193	805	797	812	212
	Dec	777	757	747	73	201	846	825	815	219
2008	Mar	722	755	766	77	197	782	818	829	213
	Jun	783	776	761	79	207	840	830	814	222
	Sep	728	723	747	73	218	762	757	786	228
	Dec	754	735	723	72	196	778	761	749	203
2009	Mar	657	684	685	78	202	672	700	700	206
	Jun	641	635	644	70	192	655	647	657	196
	Sep	646	642	635	70	193	660	657	648	197
	Dec	648	634	640	63	185	661	648	655	189
2010	Mar	619	643	636	67	172	635	659	652	176
	Jun	626	620	624	73	175	641	632	635	179
	Sep	617	611	610	72	182	617	613	613	182
	Dec	616	606	608	78	183	616	607	607	183
2011	Mar	592	614	613	74	214	588	609	609	213
	Jun	626	620	622	79	216	624	616	617	215
	Sep	630	623	615	69	239	625	620	612	237
	Dec	605	598	606	63	222	600	594	602	220
2012	Mar	600	621	622	68	217	593	613	614	214
	Jun	662	656	648	65	226 R	652	644	638	222 R
	Sep	663	655	662	64	228	653	647	652	225
Percentage change from the previous quarter⁽⁷⁾										
Quarter										
2010	Sep	-1.5	-1.4	-2.3	-1.9	4.2	-3.7	-3.1	-3.4	1.8
	Dec	-0.1	-0.8	-0.3	8.0	0.7	-0.2	-1.0	-1.1	0.5
2011	Mar	-3.9	1.2	0.8	-4.4	17.1	-4.4	0.5	0.5	16.5
	Jun	5.6	1.0	1.4	6.3	0.6	6.0	1.0	1.3	1.0
	Sep	0.7	0.5	-1.0	-13.3	10.8	0.2	0.6	-0.8	10.3
	Dec	-3.9	-4.1	-1.6	-8.2	-7.0	-3.9	-4.2	-1.7	-7.0
2012	Mar	-0.9	3.9	2.6	8.1	-2.5	-1.3	3.3	2.0	-2.9
	Jun	10.4	5.8	4.2	-4.3	4.2 R	10.0	5.1	3.9	3.9 R
	Sep	0.1	-0.3	2.2	-1.8	1.2	0.1	0.4	2.3	1.2
Percentage change from the same quarter of the previous year⁽⁷⁾										
Quarter										
2011	Sep	2.1	1.9	0.9	-4.8	31.4	1.3	1.1	-0.2	30.3
	Dec	-1.8	-1.4	-0.4	-19.0	21.4	-2.4	-2.1	-0.8	20.6
2012	Mar	1.3	1.1	1.4	-8.5	1.1	0.8	0.6	0.7	0.6
	Jun	5.9	5.9	4.2	-17.6	4.7 R	4.6	4.6	3.3	3.5 R
	Sep	5.3	5.1	7.5	-6.7	-4.4	4.5	4.4	6.5	-5.0

1. Volume series use price indexes to remove the effect of price changes and are recalculated each quarter.
2. Seasonally adjusted values exclude estimated seasonal fluctuations and are recalculated each quarter.
3. Trend values exclude estimated seasonal fluctuations and short-term irregular movements and are recalculated each quarter.
4. Materials for use in production.
5. Finished goods, trading goods, and work in progress.
6. Values exclude GST (goods and services tax).
7. Percentage changes are calculated on unrounded figures.

Note: ANZSIC Australian and New Zealand Standard Industrial Classification (2006)

Symbol: R revised

Source: Statistics New Zealand

Table 13

Metal product manufacturing
ANZSIC C21, C22

Series ref: MFGQ	Current values					Volumes (values at September 2010 quarter prices) ⁽¹⁾				
	Sales			Closing stocks of		Sales			Closing stocks of finished goods ⁽⁵⁾	
	Unadjusted	Seasonally adjusted ⁽²⁾	Trend ⁽³⁾	Raw materials ⁽⁴⁾	Finished goods ⁽⁵⁾	Unadjusted	Seasonally adjusted ⁽²⁾	Trend ⁽³⁾		
SK1CA	SK1CS	SK1CT	SK4CA	SK5CA	SK1KA	SK1KS	SK1KT	SK5KA		
\$(million)⁽⁶⁾										
Quarter										
2007	Sep	2,503	2,369	2,399	402	703	3,020	2,860	2,891	843
	Dec	2,348	2,398	2,382	397	699	2,808	2,868	2,851	831
2008	Mar	2,284	2,464	2,497	412	673	2,684	2,900	2,942	788
	Jun	2,777	2,671	2,645	441	671	3,177	3,051	3,000	764
	Sep	2,813	2,681	2,671	501	671	2,991	2,850	2,857	710
	Dec	2,465	2,505	2,508	507	677	2,478	2,520	2,514	676
2009	Mar	2,124	2,287	2,286	482	629	2,022	2,180	2,187	594
	Jun	2,167	2,081	2,155	420	550	2,120	2,032	2,070	534
	Sep	2,251	2,162	2,150	377	543	2,270	2,182	2,138	545
	Dec	2,164	2,192	2,191	384	538	2,189	2,215	2,239	541
2010	Mar	2,055	2,201	2,190	378	529	2,138	2,295	2,269	551
	Jun	2,271	2,180	2,197	417	475	2,345	2,249	2,260	491
	Sep	2,333	2,261	2,259	392	470	2,333	2,261	2,279	470
	Dec	2,317	2,340	2,324	402	532	2,342	2,361	2,331	538
2011	Mar	2,190	2,332	2,353	403	519	2,181	2,329	2,352	517
	Jun	2,464	2,366	2,339	416	486	2,447	2,348	2,327	483
	Sep	2,349	2,289	2,304	414	478	2,349	2,291	2,304	478
	Dec	2,292	2,310	2,334	467	528	2,308	2,321	2,337	532
2012	Mar	2,294	2,434	2,403	416	489	2,331	2,479	2,407	497
	Jun	2,444	2,348	2,336	417	528	2,476	2,378	2,359	535
	Sep	2,219	2,170	2,187	412	512	2,262	2,215	2,236	521
Percentage change from the previous quarter⁽⁷⁾										
Quarter										
2010	Sep	2.7	3.7	2.8	-5.9	-1.1	-0.5	0.5	0.8	-4.2
	Dec	-0.7	3.5	2.9	2.4	13.2	0.4	4.4	2.3	14.4
2011	Mar	-5.5	-0.3	1.2	0.3	-2.5	-6.9	-1.4	0.9	-4.0
	Jun	12.5	1.5	-0.6	3.1	-6.3	12.2	0.8	-1.1	-6.6
	Sep	-4.7	-3.3	-1.5	-0.3	-1.7	-4.0	-2.5	-1.0	-1.0
	Dec	-2.4	0.9	1.3	12.8	10.5	-1.7	1.3	1.4	11.3
2012	Mar	0.1	5.4	3.0	-11.0	-7.5	1.0	6.8	3.0	-6.6
	Jun	6.5	-3.6	-2.8	0.3	8.0	6.2	-4.1	-2.0	7.7
	Sep	-9.2	-7.6	-6.4	-1.3	-3.1	-8.6	-6.9	-5.2	-2.5
Percentage change from the same quarter of the previous year⁽⁷⁾										
Quarter										
2011	Sep	0.7	1.3	2.0	5.6	1.6	0.7	1.3	1.1	1.6
	Dec	-1.1	-1.3	0.4	16.3	-0.8	-1.5	-1.7	0.3	-1.2
2012	Mar	4.7	4.4	2.1	3.2	-5.8	6.9	6.5	2.4	-3.9
	Jun	-0.8	-0.8	-0.2	0.4	8.5	1.2	1.3	1.4	10.7
	Sep	-5.5	-5.2	-5.1	-0.6	7.0	-3.7	-3.3	-2.9	9.1

1. Volume series use price indexes to remove the effect of price changes and are recalculated each quarter.
2. Seasonally adjusted values exclude estimated seasonal fluctuations and are recalculated each quarter.
3. Trend values exclude estimated seasonal fluctuations and short-term irregular movements and are recalculated each quarter.
4. Materials for use in production.
5. Finished goods, trading goods, and work in progress.
6. Values exclude GST (goods and services tax).
7. Percentage changes are calculated on unrounded figures.

Note: ANZSIC Australian and New Zealand Standard Industrial Classification (2006)

Source: Statistics New Zealand

Table 14

Transport equipment; machinery and equipment manufacturing
ANZSIC C23, C24

Series ref: MFGQ	Current values					Volumes (values at September 2010 quarter prices) ⁽¹⁾				
	Sales			Closing stocks of		Sales			Closing stocks of finished goods ⁽⁵⁾	
	Unadjusted	Seasonally adjusted ⁽²⁾	Trend ⁽³⁾	Raw materials ⁽⁴⁾	Finished goods ⁽⁵⁾	Unadjusted	Seasonally adjusted ⁽²⁾	Trend ⁽³⁾		
SL1CA	SL1CS	SL1CT	SL4CA	SL5CA	SL1KA	SL1KS	SL1KT	SL5KA		
\$(million)⁽⁶⁾										
Quarter										
2007	Sep	2,427	2,326	2,347	617	821	2,679	2,555	2,580	914
	Dec	2,451	2,409	2,384	620	864	2,707	2,647	2,621	952
2008	Mar	2,272	2,410	2,442	645	815	2,469	2,642	2,670	889
	Jun	2,527	2,534	2,514	689	743	2,712	2,720	2,705	793
	Sep	2,652	2,544	2,550	711	807	2,790	2,670	2,666	848
	Dec	2,504	2,464	2,440	735	830	2,531	2,479	2,461	835
2009	Mar	2,106	2,230	2,251	661	804	2,050	2,186	2,215	788
	Jun	2,101	2,106	2,099	649	721	2,079	2,081	2,071	728
	Sep	2,149	2,064	2,083	650	767	2,140	2,056	2,068	771
	Dec	2,200	2,164	2,154	703	795	2,184	2,143	2,141	792
2010	Mar	2,089	2,209	2,187	640	733	2,078	2,206	2,181	735
	Jun	2,129	2,133	2,156	631	754	2,140	2,137	2,159	757
	Sep	2,253	2,170	2,157	687	692	2,253	2,173	2,164	692
	Dec	2,281	2,242	2,275	643	655	2,292	2,254	2,277	658
2011	Mar	2,345	2,473	2,413	709	702	2,345	2,479	2,407	702
	Jun	2,452	2,457	2,478	631	717	2,467	2,460	2,476	721
	Sep	2,539	2,452	2,431	696	764	2,541	2,457	2,434	765
	Dec	2,388	2,347	2,361	686	759	2,376	2,341	2,359	755
2012	Mar	2,219	2,334	2,348	649	708	2,223	2,343	2,359	710
	Jun	2,491	2,498	2,400	665	706	2,471	2,465	2,412	701
	Sep	2,514	2,432	2,446	656	736	2,491	2,413	2,438	729
Percentage change from the previous quarter⁽⁷⁾										
Quarter										
2010	Sep	5.8	1.7	0.0	8.8	-8.2	5.3	1.7	0.3	-8.6
	Dec	1.2	3.3	5.5	-6.3	-5.3	1.7	3.8	5.2	-4.8
2011	Mar	2.8	10.3	6.1	10.2	7.1	2.3	10.0	5.7	6.5
	Jun	4.6	-0.7	2.7	-10.9	2.2	5.2	-0.8	2.9	2.8
	Sep	3.5	-0.2	-1.9	10.2	6.6	3.0	-0.1	-1.7	6.1
	Dec	-5.9	-4.3	-2.9	-1.5	-0.7	-6.5	-4.7	-3.1	-1.3
2012	Mar	-7.1	-0.5	-0.6	-5.4	-6.7	-6.4	0.1	0.0	-6.0
	Jun	12.3	7.0	2.3	2.5	-0.3	11.2	5.2	2.3	-1.3
	Sep	0.9	-2.6	1.9	-1.4	4.2	0.8	-2.1	1.1	4.1
Percentage change from the same quarter of the previous year⁽⁷⁾										
Quarter										
2011	Sep	12.7	13.0	12.7	1.4	10.4	12.8	13.1	12.5	10.5
	Dec	4.7	4.7	3.8	6.6	15.8	3.7	3.9	3.6	14.7
2012	Mar	-5.4	-5.6	-2.7	-8.5	0.9	-5.2	-5.5	-2.0	1.1
	Jun	1.6	1.7	-3.1	5.3	-1.5	0.2	0.2	-2.6	-2.9
	Sep	-1.0	-0.8	0.6	-5.8	-3.7	-2.0	-1.8	0.2	-4.7

1. Volume series use price indexes to remove the effect of price changes and are recalculated each quarter.
2. Seasonally adjusted values exclude estimated seasonal fluctuations and are recalculated each quarter.
3. Trend values exclude estimated seasonal fluctuations and short-term irregular movements and are recalculated each quarter.
4. Materials for use in production.
5. Finished goods, trading goods, and work in progress.
6. Values exclude GST (goods and services tax).
7. Percentage changes are calculated on unrounded figures.

Note: ANZSIC Australian and New Zealand Standard Industrial Classification (2006)

Source: Statistics New Zealand

Table 15

Furniture and other manufacturing
ANZSIC C25

Series ref: MFGQ	Current values					Volumes (values at September 2010 quarter prices) ⁽¹⁾				
	Sales			Closing stocks of		Sales			Closing stocks of finished goods ⁽⁵⁾	
	Unadjusted	Seasonally adjusted ⁽²⁾	Trend ⁽³⁾	Raw materials ⁽⁴⁾	Finished goods ⁽⁵⁾	Unadjusted	Seasonally adjusted ⁽²⁾	Trend ⁽³⁾		
SM1CA	SM1CS	SM1CT	SM4CA	SM5CA	SM1KA	SM1KS	SM1KT	SM5KA		
\$(million)⁽⁶⁾										
Quarter										
2007	Sep	474	468	465	132	120	532	526	523	135
	Dec	508	467	460	116	110	566	519	513	124
2008	Mar	404	440	454	116	109	447	486	497	121
	Jun	454	467	445	111	118	492	506	479	129
	Sep	435	426	433	113	134	459	450	461	143
	Dec	466	428	421	111	121	485	445	435	127
2009	Mar	371	406	416	106	131	380	416	425	134
	Jun	411	423	419	105	124	419	431	427	127
	Sep	439	427	425	109	122	447	435	433	125
	Dec	461	423	427	99	117	464	426	431	119
2010	Mar	390	428	421	94	113	393	432	425	114
	Jun	395	407	413	99	120	397	409	414	121
	Sep	419	405	407	103	127	419	405	405	127
	Dec	441	407	404	101	137	439	405	406	136
2011	Mar	369	406	405	93	109	368	404	401	109
	Jun	385	397	403	91	94	381	393	399	94
	Sep	425	409	397	95	102	417	402	393	100
	Dec	411	380	391	103	88	402	373	380	86
2012	Mar	352	386	385	87	103	341	374	373	100
	Jun	377	390	384	89	90	362	375	369	87
	Sep	383	367	372	84	89	366	351	356	85
Percentage change from the previous quarter⁽⁷⁾										
Quarter										
2010	Sep	6.2	-0.5	-1.3	4.7	5.5	5.6	-0.9	-2.2	4.9
	Dec	5.3	0.5	-0.7	-2.2	7.9	4.7	0.0	0.2	7.3
2011	Mar	-16.4	-0.4	0.3	-7.5	-20.4	-16.1	-0.3	-1.1	-20.2
	Jun	4.2	-2.1	-0.5	-2.6	-13.3	3.5	-2.8	-0.5	-13.9
	Sep	10.6	3.1	-1.5	4.8	7.6	9.6	2.3	-1.7	6.7
	Dec	-3.4	-7.2	-1.4	8.0	-13.9	-3.6	-7.2	-3.2	-14.0
2012	Mar	-14.3	1.5	-1.6	-15.4	17.9	-15.2	0.2	-1.8	16.6
	Jun	7.0	1.1	-0.2	2.4	-12.5	6.2	0.3	-1.1	-13.1
	Sep	1.6	-5.8	-3.1	-6.3	-1.6	1.0	-6.3	-3.7	-2.3
Percentage change from the same quarter of the previous year⁽⁷⁾										
Quarter										
2011	Sep	1.4	1.0	-2.5	-7.7	-19.8	-0.4	-0.8	-3.0	-21.3
	Dec	-6.9	-6.6	-3.2	2.0	-36.0	-8.3	-8.0	-6.3	-37.0
2012	Mar	-4.7	-4.9	-5.0	-6.7	-5.3	-7.3	-7.5	-7.0	-7.9
	Jun	-2.1	-1.8	-4.7	-1.9	-4.4	-4.9	-4.7	-7.6	-7.1
	Sep	-10.0	-10.3	-6.2	-12.4	-12.6	-12.4	-12.7	-9.4	-14.9

1. Volume series use price indexes to remove the effect of price changes and are recalculated each quarter.
2. Seasonally adjusted values exclude estimated seasonal fluctuations and are recalculated each quarter.
3. Trend values exclude estimated seasonal fluctuations and short-term irregular movements and are recalculated each quarter.
4. Materials for use in production.
5. Finished goods, trading goods, and work in progress.
6. Values exclude GST (goods and services tax).
7. Percentage changes are calculated on unrounded figures.

Note: ANZSIC Australian and New Zealand Standard Industrial Classification (2006)

Source: Statistics New Zealand

Table 16

Purchases and operating expenditure

By industry

Manufacturing industry	Series ref: MFGQ	Quarter								
		2010		2011				2012		
		Sep	Dec	Mar	Jun	Sep	Dec	Mar	Jun	Sep
\$(million)⁽¹⁾										
Meat and dairy products	SA2CA	4,124	6,146	7,148	6,847	4,856	6,636	6,718	6,115	4,616
Seafood processing	SB2CA	324	337	299	320	311	342	330	342	369
Fruit, oils, cereals, and other food	SC2CA	1,219	1,304	1,257	1,277	1,360	1,344	1,296	1,310	1,281
Beverage and tobacco products	SD2CA	602	784	633	765	732	822	728	822	682
Textiles, leather, clothing, and footwear	SE2CA	378	364	395	377	407	372	365	379	359
Wood and paper products	SF2CA	1,465	1,373	1,315	1,451	1,493	1,442	1,335	1,450	1,420
Printing	SG2CA	252	272	228	253	272	251	233	235	241
Petroleum and coal products	SH2CA	1,278	1,338	1,620	1,449	1,798	1,582	1,833	1,480	1,556
Chemical, polymer, and rubber products	SI2CA	1,180	1,434	1,311	1,314	1,266	1,633	1,361	1,452	1,478
Non-metallic mineral products	SJ2CA	437	426	415	446	442	429	420	446	464
Metal products	SK2CA	1,696	1,680	1,643	1,754	1,816	1,682	1,717	1,779	1,704
Transport equipment; machinery and equipment	SL2CA	1,511	1,476	1,586	1,645	1,723	1,559	1,522	1,610	1,643
Furniture and other	SM2CA	283	290	246	246	273	260	226	237	235
All manufacturing excluding meat and dairy	SY2CA	10,626	11,078	10,947	11,297	11,893	11,718	11,365	11,544	11,432
All manufacturing	SZ2CA	14,751	17,223	18,095	18,144	16,749	18,354	18,084	17,658	16,048
Percentage change from the same quarter of the previous year⁽²⁾										
Meat and dairy products		13.7	7.0	38.7	18.3	17.7	8.0	-6.0	-10.7	-4.9
Seafood processing		-7.9	-7.7	-6.6	-1.4	-4.0	1.7	10.3	6.9	18.6
Fruit, oils, cereals, and other food		-12.6	-9.9	-1.0	0.0	11.6	3.1	3.1	2.6	-5.8
Beverage and tobacco products		2.7	0.8	-7.0	9.4	21.6	4.9	14.9	7.4	-6.8
Textiles, leather, clothing, and footwear		0.5	-8.1	4.9	8.6	7.6	2.1	-7.6	0.6	-11.8
Wood and paper products		3.5	1.5	1.5	1.6	1.9	5.0	1.5	-0.1	-4.9
Printing		1.5	-1.9	-4.2	6.6	8.0	-7.8	1.9	-7.0	-11.5
Petroleum and coal products		7.0	2.9	21.8	1.1	40.7	18.3	13.2	2.2	-13.5
Chemical, polymer, and rubber products		0.6	2.7	16.7	2.0	7.3	13.8	3.8	10.5	16.7
Non-metallic mineral products		-4.0	-1.8	-6.9	4.5	1.0	0.8	1.4	0.0	5.1
Metal products		4.9	12.6	7.4	6.0	7.1	0.1	4.5	1.4	-6.1
Transport equipment; machinery and equipment		4.0	1.2	12.1	18.3	14.1	5.7	-4.0	-2.1	-4.7
Furniture and other		-1.5	-0.6	-0.6	-6.0	-3.4	-10.5	-7.9	-3.6	-13.9
All manufacturing excluding meat and dairy		0.7	0.8	6.6	4.9	11.9	5.8	3.8	2.2	-3.9
All manufacturing		4.0	2.9	17.3	9.6	13.5	6.6	-0.1	-2.7	-4.2

1. Values exclude GST.

2. Percentage changes are calculated on unrounded figures.

Source: Statistics New Zealand

Table 17

Salaries and wages

By industry

Manufacturing industry	Series ref: MFGQ	Quarter								
		2010		2011				2012		
		Sep	Dec	Mar	Jun	Sep	Dec	Mar	Jun	Sep
\$(million)⁽¹⁾										
Meat and dairy products	SA3CA	448	560	635	569	508	614	632	607	539
Seafood processing	SB3CA	73	73	71	81	72	73	82	77	72
Fruit, oils, cereals, and other food	SC3CA	263	254	262	246	250	259	263	264	258
Beverage and tobacco products	SD3CA	115	118	119	126	118	124	122	136	124
Textiles, leather, clothing, and footwear	SE3CA	112	114	107	108	109	106	99	128	110
Wood and paper products	SF3CA	300	301	274	308	321	336	288	303	295
Printing	SG3CA	113	120	99	107	111	115	111	108	109
Petroleum and coal products	SH3CA	28	32	34	36	30	35	34	30	29
Chemical, polymer, and rubber products	SI3CA	248	265	252	277	278	279	285	301	302
Non-metallic mineral products	SJ3CA	109	108	105	111	110	109	105	116	115
Metal products	SK3CA	357	395	371	396	372	376	364	409 R	392
Transport equipment; machinery and equipment	SL3CA	559	558	548	558	565	587	534	579	573
Furniture and other	SM3CA	103	104	91	102	104	107	98	96	92
All manufacturing excluding meat and dairy	SY3CA	2,379	2,442	2,332	2,456	2,438	2,505	2,385	2,546 R	2,472
All manufacturing	SZ3CA	2,828	3,002	2,967	3,025	2,946	3,118	3,017	3,153 R	3,011
Percentage change from the same quarter of the previous year⁽²⁾										
Meat and dairy products		0.5	8.7	8.0	0.5	13.2	9.6	-0.4	6.7	6.1
Seafood processing		-3.1	-2.9	9.1	16.7	-0.9	-0.3	15.3	-4.2	-0.3
Fruit, oils, cereals, and other food		-4.8	-7.8	9.3	-4.8	-5.2	1.7	0.7	7.1	3.4
Beverage and tobacco products		5.3	2.8	4.7	5.9	2.2	5.4	2.6	7.6	5.3
Textiles, leather, clothing, and footwear		0.7	4.6	4.4	-0.2	-2.8	-7.2	-7.6	18.7	1.0
Wood and paper products		5.0	3.4	-0.4	3.5	7.0	11.6	5.1	-1.7	-8.0
Printing		1.3	7.3	-11.4	-8.8	-2.0	-4.0	11.8	1.1	-1.1
Petroleum and coal products		8.7	12.8	28.2	26.2	7.3	8.1	0.1	-16.1	-1.0
Chemical, polymer, and rubber products		2.7	6.3	6.3	1.9	12.2	5.2	13.2	8.4	8.8
Non-metallic mineral products		-3.0	-5.0	0.6	0.9	1.2	1.4	0.1	4.4	4.4
Metal products		0.5	9.4	16.9	15.5	4.1	-5.0	-1.7	3.3 R	5.5
Transport equipment; machinery and equipment		5.4	3.1	6.0	2.6	1.1	5.3	-2.5	3.8	1.4
Furniture and other		-1.8	-4.1	-9.9	1.7	0.4	2.6	7.1	-6.3	-11.6
All manufacturing excluding meat and dairy		1.7	2.6	5.5	3.8	2.5	2.6	2.3	3.7 R	1.4
All manufacturing		1.5	3.7	6.0	3.2	4.2	3.9	1.7	4.2 R	2.2

1. GST (goods and services tax) is not applicable to salaries and wages.

2. Percentage changes are calculated on unrounded figures.

Symbol: R revised

Source: Statistics New Zealand

Table 18

Additions and disposals of fixed assets

By industry

Manufacturing industry	Series ref: MFGQ	Quarter								
		2010		2011				2012		
		Sep	Dec	Mar	Jun	Sep	Dec	Mar	Jun	Sep
		\$(million) ⁽¹⁾								
Additions to fixed assets										
Meat and dairy products	SA6CA	164	144	137	105	254	290	158	287	482
Seafood processing	SB6CA	C	8	C	C	C	22	10	12	12
Fruit, oils, cereals, and other food	SC6CA	46	63	152	158	39	C	106	56	44
Beverages and tobacco products	SD6CA	92	C	50	76	74	79	60	67	111
Textiles, leather, clothing, and footwear	SE6CA	11	15	16	11	C	22	C	7	21
Wood and paper products	SF6CA	74	82	C	86	106	C	93	38	64
Printing	SG6CA	6	17	18	C	7	C	31	8	10
Petroleum and coal products	SH6CA	C	C	C	C	C	C	C	C	C
Chemical, polymer, and rubber products	SI6CA	49	75	47	83	74	86	83	170	74
Non-metallic mineral products	SJ6CA	C	94	41	C	C	41	29	33	26
Metal products	SK6CA	45	58	47	63	48	68	162	85	73
Transport equipment; machinery, and equipment	SL6CA	43	93	80	50	43	72	60	52	44
Furniture and other	SM6CA	3	C	C	C	6	C	11	C	C
All manufacturing excluding meat and dairy	SY6CA	441	583	578	603	472	594	659	539	530
All manufacturing	SZ6CA	605	727	714	708	726	883	818	826	1,012
Disposals of fixed assets										
Meat and dairy products	SA7CA	15	6	C	17	31	5	5	14	72
Seafood processing	SB7CA	C	20	C	C	C	22	0	0	1
Fruit, oils, cereals, and other food	SC7CA	5	21	5	24	2	C	63	3	8
Beverage and tobacco products	SD7CA	1	C	4	1	6	1	10	6	2
Textiles, leather, clothing, and footwear	SE7CA	0	1	1	2	C	2	C	0	6
Wood and paper products	SF7CA	9	22	C	6	5	C	2	1	2
Printing	SG7CA	1	0	0	C	0	C	1	5	0
Petroleum and coal products	SH7CA	C	C	C	C	C	C	C	C	C
Chemical, polymer, and rubber products	SI7CA	17	10	3	15	12	22	8	9	9
Non-metallic mineral products	SJ7CA	C	4	2	C	C	5	8	2	2
Metal products	SK7CA	7	7	11	8	7	13	11	3	14
Transport equipment; machinery and equipment	SL7CA	2	6	8	3	4	5	9	3	10
Furniture and other	SM7CA	0	C	C	C	3	C	5	C	C
All manufacturing excluding meat and dairy	SY7CA	46	196	48	88	54	121	118	33	70
All manufacturing	SZ7CA	61	202	76	106	85	126	123	47	142

1. Values exclude GST (goods and services tax).

Symbol: C confidential

Source: Statistics New Zealand