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Statistical release

P3041.2

Manufacturing: Production and sales (Preliminary)

July 2014

The results published today are based on a new sample. This is an annual procedure which typically affects the level of sales. To avoid breaks in time series and to preserve historical growth rates, historical sales levels were revised (i.e. they were linked to the estimates based on the new sample).

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Enquiries:

User information services
Tel: (012) 310 8600

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Key figures for July 2014

Table A – Manufacturing production and sales

Estimates	July 2014	% change between July 2013 and July 2014	% change between May to July 2013 and May to July 2014	% change between January to July 2013 and January to July 2014
Physical volume of manufacturing production index (base: 2010=100)	103,1	-7,9	-3,9	-1,4
Total estimated sales of manufactured products (R million)	146 676	0,3	5,7	8,1

Seasonally adjusted estimates	July 2014	% change between June and July 2014	% change between February to April 2014 and May to July 2014
Physical volume of manufacturing production index (base: 2010=100)	102,0	-3,6	-2,0
Total value of sales of manufactured products (R million)	146 444	-5,1	0,0

Manufacturing production decreased by 7,9% in July 2014 compared with July 2013.

The 7,9% year-on-year decrease in manufacturing production in July 2014 was mainly due to lower production in the following divisions:

- basic iron and steel, non-ferrous metal products, metal products and machinery (-20,4% and contributing -4,1 percentage points);
- motor vehicles, parts and accessories and other transport equipment (-29,0% and contributing -2,9 percentage points); and
- petroleum, chemical products, rubber and plastic products (-5,3% and contributing -1,2 percentage points) (see Table 4b).

Seasonally adjusted manufacturing production decreased by 2,0% in the three months ended July 2014 compared with the previous three months. Six of the ten manufacturing divisions reported negative growth rates over this period.

The largest negative contributions to the decrease of 2,0% were made by the following divisions:

- basic iron and steel, non-ferrous metal products, metal products and machinery (-5,3% and contributing -1,1 percentage points); and
- motor vehicles, parts and accessories and other transport equipment (-8,2% and contributing -0,7 of a percentage point) (see Table B).

Table B – Contribution of manufacturing divisions and major groups to the total three-monthly seasonally adjusted manufacturing production

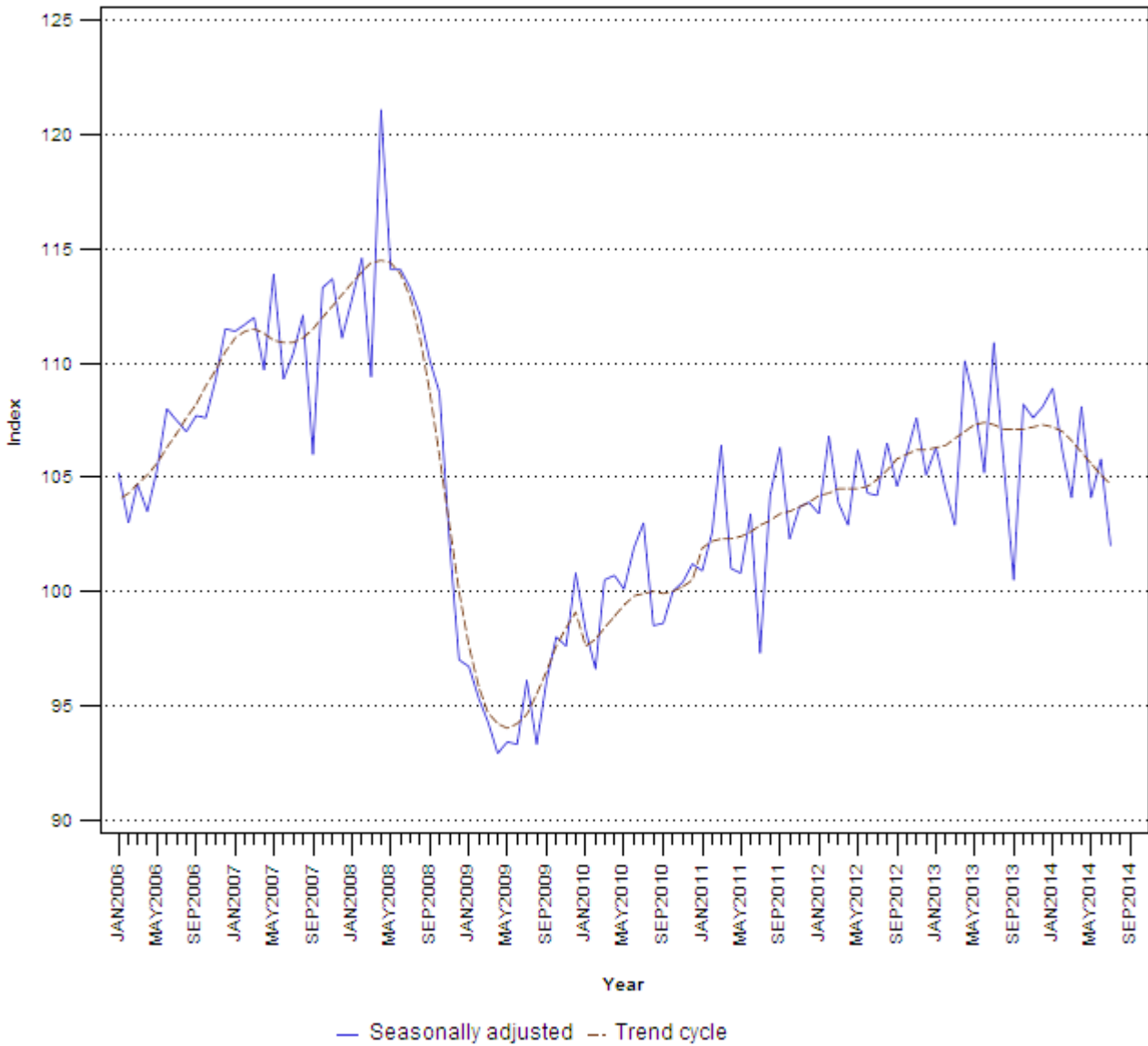
Base: 2010=100

Manufacturing divisions and major groups	Weights 2011	Average seasonally adjusted production index for February to April 2014	Average seasonally adjusted production index for May to July 2014	Quarterly % change of May to July 2014 compared with the preceding three months	Contribution (% points) to the seasonally adjusted quarterly % change in total manufacturing production 1/
Food and beverages	23,8	109,4	109,9	0,5	0,1
-Meat, fish, fruit, etc.	5,2	112,3	116,2	3,5	0,2
-Dairy products	2,3	104,6	105,1	0,5	0,0
-Grain mill products	2,8	106,8	107,4	0,6	0,0
-Other food products	7,1	110,2	103,7	-5,9	-0,4
-Beverages	6,4	108,9	114,4	5,1	0,3
Textiles, clothing, leather and footwear	2,9	94,7	92,1	-2,7	-0,1
-Textiles	1,2	84,2	84,6	0,5	0,0
-Wearing apparel	1,1	97,0	94,3	-2,8	0,0
-Leather and leather products	0,2	127,0	118,9	-6,4	0,0
-Footwear	0,4	105,1	97,0	-7,7	0,0
Wood and wood products, paper, publishing and printing	9,5	104,2	103,9	-0,3	0,0
-Wood and products of wood	2,6	106,7	102,8	-3,7	-0,1
-Paper and paper products	3,3	104,9	103,6	-1,2	0,0
-Publishing and printing	3,6	101,7	105,0	3,2	0,1
Petroleum, chemical products, rubber and plastic products	22,5	106,6	106,6	0,0	0,0
-Coke, petroleum products and nuclear fuel	6,3	99,3	105,5	6,2	0,4
-Basic chemicals	4,8	114,1	111,9	-1,9	-0,1
-Other chemical products	7,1	109,4	108,1	-1,2	-0,1
-Rubber products	1,2	106,1	96,6	-9,0	-0,1
-Plastic products	3,1	104,0	100,9	-3,0	-0,1
Glass and non-metallic mineral products	4,4	102,0	99,0	-2,9	-0,1
-Glass and glass products	0,9	92,2	83,7	-9,2	-0,1
-Non-metallic mineral products	3,5	104,5	102,9	-1,5	-0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	20,4	104,4	98,9	-5,3	-1,1
-Basic iron and steel products	4,7	91,9	92,2	0,3	0,0
-Basic precious, non-ferrous metal products	3,5	109,5	103,2	-5,8	-0,2
-Fabricated metal products	6,1	110,1	101,7	-7,6	-0,5
-Machinery and equipment	6,1	105,4	98,8	-6,3	-0,4
Electrical machinery	2,4	105,1	95,7	-8,9	-0,2
Radio, television and communication apparatus and professional equipment	1,4	134,2	136,0	1,3	0,0
-Radio, television and communication apparatus	0,9	153,1	160,1	4,6	0,1
-Professional equipment	0,6	104,9	98,8	-5,8	0,0
Motor vehicles, parts and accessories and other transport equipment	8,6	108,2	99,3	-8,2	-0,7
-Motor vehicles	3,9	122,3	112,5	-8,0	-0,4
-Bodies for motor vehicles, trailers and semi-trailers	0,5	107,1	103,6	-3,3	0,0
-Parts and accessories	3,0	94,9	87,5	-7,8	-0,2
-Other transport equipment	1,2	97,0	84,3	-13,1	-0,1
Furniture and other manufacturing division	4,1	96,9	97,7	0,8	0,0
-Furniture	1,1	114,4	118,1	3,2	0,0
-Other manufacturing groups	3,0	90,8	90,6	-0,2	0,0
Total	100,0	106,1	104,0	-2,0	-2,0

1/ The contribution (percentage points) of a major group or division to the total seasonally adjusted manufacturing production is calculated by multiplying the difference in the index of the major group or division by the weight of the major group or division and then dividing by the previous period total manufacturing index. Figures have been rounded off.

Figure 1 – Index of the physical volume of manufacturing production: 2006 – 2014

Base: 2010=100



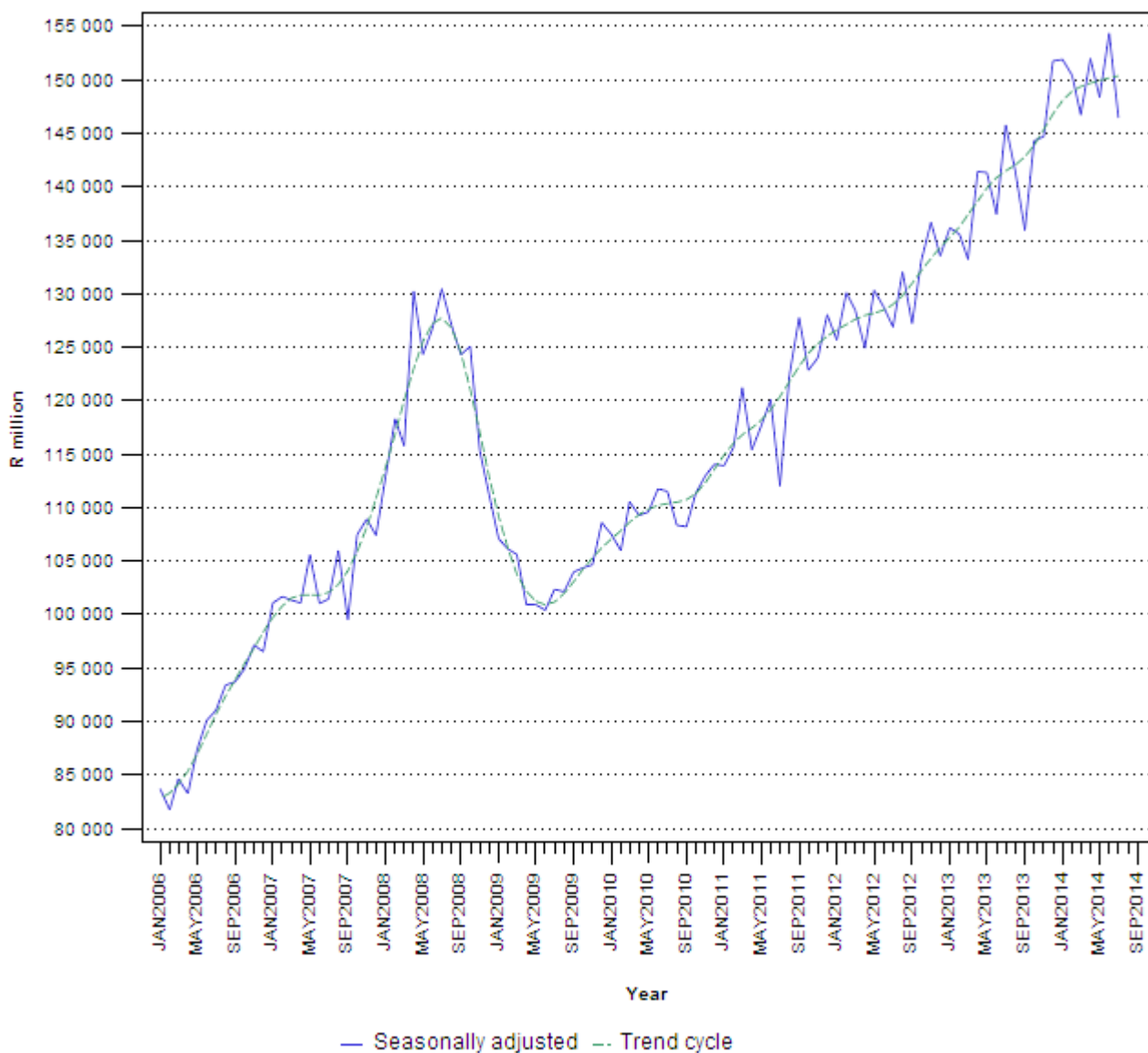
Seasonally adjusted sales of manufactured products (at current prices) were unchanged in the three months ended July 2014 compared with the previous three months.

The highest growth rate was recorded for the food and beverages division (3,6%). The most negative growth rate was recorded for the electrical machinery division (-7,2%) (see Table C).

Table C – Contribution of manufacturing divisions and major groups to the three-monthly total seasonally adjusted sales of the manufacturing industry at current prices

Manufacturing divisions and major groups	Seasonally adjusted sales February to April 2014	Seasonally adjusted sales May to July 2014	% change between February to April 2014 and May to July 2014	Difference in seasonally adjusted sales of manufacturing divisions between February to April 2014 and May to July 2014
	R'000	R'000	%	R'000
Food and beverages	95 469 634	98 928 514	3,6	3 458 880
-Food and food products	70 004 064	71 744 846	2,5	1 740 782
-Beverages	25 465 570	27 183 668	6,7	1 718 098
Textiles, clothing, leather and footwear	12 074 929	11 932 636	-1,2	-142 293
-Textiles	4 500 501	4 617 480	2,6	116 979
-Wearing apparel	4 755 223	4 607 356	-3,1	-147 867
-Leather and leather products	1 707 244	1 614 693	-5,4	-92 551
-Footwear	1 111 960	1 093 108	-1,7	-18 852
Wood and wood products, paper, publishing and printing	33 236 401	33 994 344	2,3	757 943
-Wood and products of wood	7 256 359	7 124 044	-1,8	-132 315
-Paper and paper products	14 967 726	15 082 753	0,8	115 027
-Publishing and printing	11 012 314	11 787 547	7,0	775 233
Petroleum, chemical products, rubber and plastic products	111 180 249	111 062 868	-0,1	-117 381
-Coke, petroleum products and nuclear fuel	47 046 905	47 200 647	0,3	153 742
-Basic chemicals	23 619 135	22 925 032	-2,9	-694 103
-Other chemical products	23 398 576	24 119 934	3,1	721 358
-Rubber products	4 275 348	4 062 346	-5,0	-213 002
-Plastic products	12 840 285	12 754 908	-0,7	-85 377
Glass and non-metallic mineral products	13 836 615	13 922 276	0,6	85 661
-Glass and glass products	2 289 153	2 254 046	-1,5	-35 107
-Non-metallic mineral products	11 547 461	11 668 229	1,0	120 768
Basic iron and steel, non-ferrous metal products, metal products and machinery	97 195 097	94 825 851	-2,4	-2 369 246
-Basic iron and steel products	29 483 315	28 156 037	-4,5	-1 327 278
-Basic precious, non-ferrous metal products	20 894 779	21 714 631	3,9	819 852
-Fabricated metal products	23 449 433	22 456 842	-4,2	-992 591
-Machinery and equipment	23 367 572	22 498 341	-3,7	-869 231
Electrical machinery	13 047 528	12 107 859	-7,2	-939 669
Radio, television and communication apparatus and professional equipment	4 981 665	4 912 004	-1,4	-69 661
-Radio, television and communication apparatus	2 956 046	2 986 983	1,0	30 937
-Professional equipment	2 025 619	1 925 022	-5,0	-100 597
Motor vehicles, parts and accessories and other transport equipment	53 486 627	52 591 104	-1,7	-895 523
-Motor vehicles, trailers, parts and accessories	48 094 584	47 826 320	-0,6	-268 264
-Other transport equipment	5 392 044	4 764 783	-11,6	-627 261
Furniture and other manufacturing division	14 619 324	14 886 607	1,8	267 283
-Furniture	3 801 512	3 999 857	5,2	198 345
-Other manufacturing groups	10 817 812	10 886 749	0,6	68 937
Total	449 128 068	449 164 063	0,0	35 995

Figure 2 – Total estimated sales of the manufacturing industry at current prices: 2006 – 2014



PJ Lehohla
Statistician-General

Note: Changes to the monthly current indicator survey and the impact on the statistical series

Business register and samples

Today Statistics South Africa (Stats SA) publishes results for the monthly survey of manufacturing production and sales from a new sample drawn in April 2014, which replaces the previous sample that was drawn in April 2013. The sample was drawn from a business register of enterprises with an annual turnover of at least R1 633 746 and that are required to register with the South African Revenue Service (SARS) for value added tax.

Owing to the evolving nature of business, the business register is maintained on a continuous basis. The maintenance process is aimed, amongst other things, at capturing changes related to new businesses, ceased businesses, merged businesses and classification changes. In addition, Stats SA undertakes quality improvement surveys related to the business register, the primary objective of which is to capture up-to-date information about the structures and activities of large and complex businesses. This process enables Stats SA to review classification codes for these businesses. These changes are an essential part of the statistical architecture.

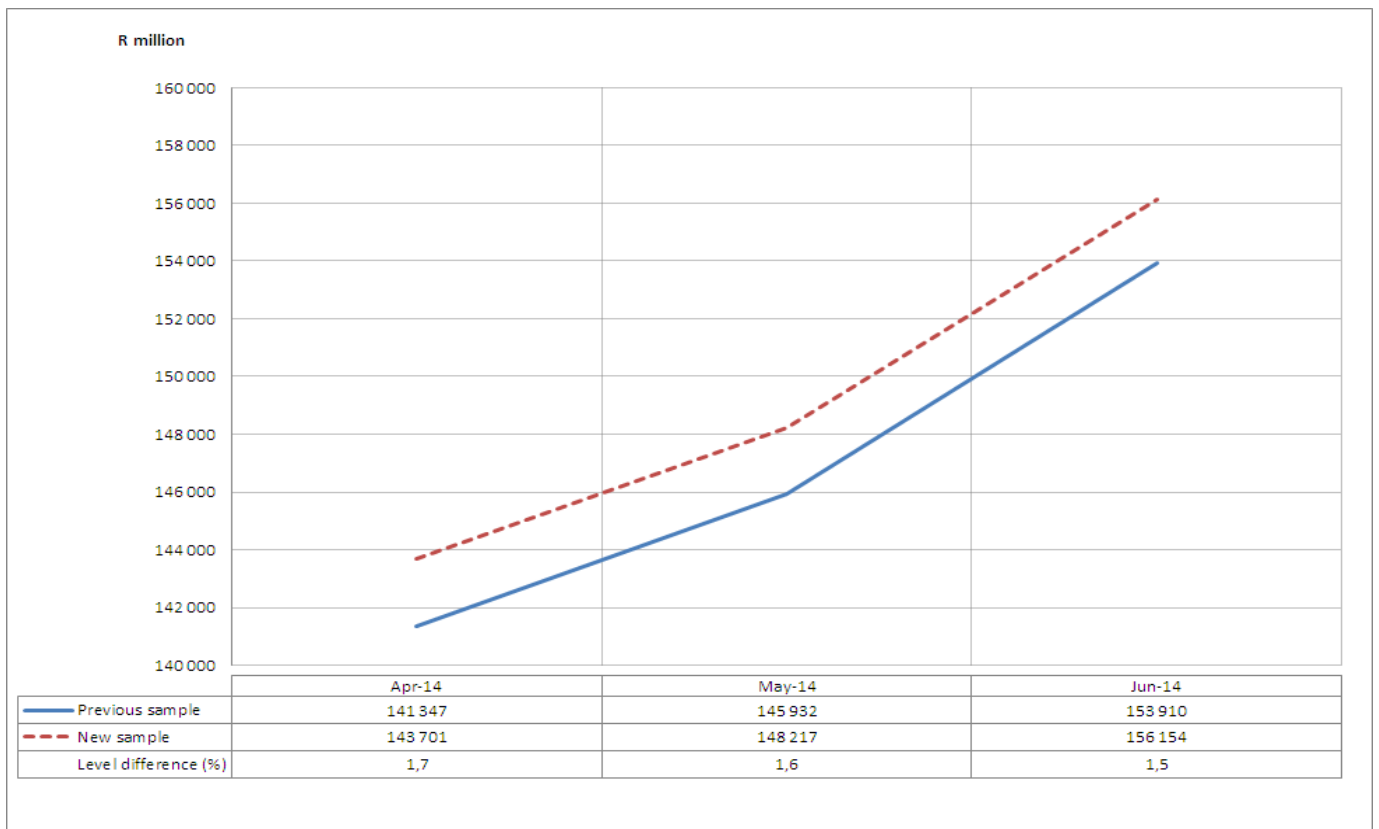
Comparison of total sales between the previous and new samples of the manufacturing industry

The reported level of total sales for the monthly survey of the manufacturing industry for the months April to June 2014 based on the new sample was 1,6% higher than the level of total sales recorded for the previous sample (see Table D and Figure A). The previous sample was drawn in April 2013 and was operational for the last half of 2013 and the first half of 2014.

Table D - Total sales for previous and new samples for the manufacturing industry – April to June 2014

Manufacturing industry	Previous sample (R million)	New sample (R million)	Difference	
			(R million)	(%)
	441 189	448 072	6 883	1,6

Figure A – Total value of sales of manufactured products: monthly levels of previous and new samples for April to June 2014



Comparison of sales between the previous and new samples by division

The differences in sales between the previous and new samples by manufacturing division are shown in Table E.

Table E - Manufacturing sales for previous and new samples by division: April to June 2014

Manufacturing divisions	Previous sample (R million)	New sample (R million)	Difference	
			(R million)	(%) ^{1/}
Food and beverages	90 841	93 054	2 213	2,4
Textiles, clothing, leather and footwear	11 484	12 057	572	5,0
Wood and wood products, paper, publishing and printing	30 930	31 761	831	2,7
Petroleum, chemical products, rubber and plastic products	109 908	110 645	737	0,7
Glass and non-metallic mineral products	13 278	13 994	715	5,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	99 860	100 780	920	0,9
Electrical machinery	12 110	13 046	936	7,7
Radio, television and communication apparatus and professional equipment	5 102	4 854	-248	-4,9
Motor vehicles, parts and accessories and other transport equipment	53 443	53 217	-226	-0,4
Furniture and other manufacturing divisions	14 231	14 665	434	3,0
Total manufacturing	441 189	448 072	6 883	1,6

^{1/} The percentage difference is the difference between the April to June 2014 sales as recorded in the new sample divided by the April to June 2014 sales as recorded in the previous sample, expressed as a percentage.

The largest percentage differences were in the following manufacturing divisions:

- electrical machinery (7,7% or R936 million higher in the new sample);
- glass and non-metallic mineral products (5,4% or R715 million higher in the new sample);
- textiles, clothing, leather and footwear (5,0% or R572 million higher in the new sample); and
- radio, television and communication apparatus and professional equipment (4,9% or R248 million lower in the new sample).

Backcasting

In order to assist users of time series, the levels from the new sample for the survey have been adjusted back to the start of 1998, using the level for April 2014 as the end point for the backcast series.

Detailed results

Table 1 – Total index of the physical volume of manufacturing production: 2008 – 2014

Base: 2010=100

Month	2008	2009	2010	2011	2012	2013	2014
Jan	97,1	82,7	84,5	86,7	89,3	92,3	94,6
Feb	109,4	91,1	92,2	98,4	102,7	100,7	102,3
Mar	113,1	97,6	103,8	109,3	106,6	104,8	105,8
Apr	112,8	86,6	93,4	93,4	95,1	102,0	100,1
May	115,4	94,2	100,6	101,6	107,1	109,6	1/ 105,3
Jun	115,7	94,5	102,9	104,2	104,9	105,6	1/ 105,8
Jul	116,0	98,2	105,3	98,9	105,8	111,9	1/ 103,1
Aug	115,8	96,3	101,6	107,8	110,2	109,6	
Sep	114,4	99,9	102,2	110,4	108,0	103,9	
Oct	120,8	108,4	110,3	112,9	116,6	119,0	
Nov	113,7	107,9	112,2	116,6	121,0	121,1	
Dec	86,3	89,2	91,0	93,5	94,5	97,3	
Year	110,9	95,6	100,0	102,8	105,2	106,5	

1/ Preliminary.

Table 2 – Annual percentage change in the total index of the physical volume of manufacturing production: 2008 – 2014 2/

Month	2008	2009	2010	2011	2012	2013	2014
Jan	0,7	-14,8	2,2	2,6	3,0	3,4	2,5
Feb	2,5	-16,7	1,2	6,7	4,4	-1,9	1,6
Mar	-2,2	-13,7	6,4	5,3	-2,5	-1,7	1,0
Apr	9,9	-23,2	7,9	0,0	1,8	7,3	-1,9
May	0,3	-18,4	6,8	1,0	5,4	2,3	-3,9
Jun	4,5	-18,3	8,9	1,3	0,7	0,7	0,2
Jul	2,6	-15,3	7,2	-6,1	7,0	5,8	-7,9
Aug	-0,3	-16,8	5,5	6,1	2,2	-0,5	
Sep	3,9	-12,7	2,3	8,0	-2,2	-3,8	
Oct	-4,1	-10,3	1,8	2,4	3,3	2,1	
Nov	-9,7	-5,1	4,0	3,9	3,8	0,1	
Dec	-11,2	3,4	2,0	2,7	1,1	3,0	
Year	-0,4	-13,8	4,6	2,8	2,3	1,2	

2/ The annual percentage change is the change in the index of the physical volume of manufacturing production of the relevant month of the current year compared with the corresponding month of the previous year expressed as a percentage.

Table 3 – Seasonally adjusted index of the total physical volume of manufacturing production: 2008 – 2014

Base: 2010=100

Month	2008	2009	2010	2011	2012	2013	2014
Jan	112,8	96,7	98,3	100,9	103,4	106,3	108,9
Feb	114,6	95,3	96,6	102,6	106,8	104,4	106,1
Mar	109,4	94,3	100,5	106,4	103,9	102,9	104,1
Apr	121,1	92,9	100,7	101,0	102,9	110,1	108,1
May	114,1	93,4	100,1	100,8	106,2	108,3	104,1
Jun	114,1	93,3	101,9	103,4	104,3	105,2	105,8
Jul	113,3	96,1	103,0	97,3	104,2	110,9	102,0
Aug	112,1	93,3	98,5	104,2	106,5	105,6	
Sep	110,1	96,1	98,6	106,3	104,6	100,5	
Oct	108,7	98,0	100,0	102,3	106,0	108,2	
Nov	102,2	97,6	100,4	103,7	107,6	107,6	
Dec	97,0	100,8	101,2	103,9	105,1	108,1	

Table 4a – Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups

Base: 2010=100

Manufacturing divisions and major groups	Weights 2011	Average for 2013	Actual indices			Seasonally adjusted indices		
			July 2013	1/ June 2014	1/ July 2014	July 2013	June 2014	July 2014
Food and beverages	23,8	108,0	108,9	106,6	113,4	109,0	110,8	113,0
-Meat, fish, fruit, etc.	5,2	109,5	112,4	114,8	119,4	111,4	116,9	118,1
-Dairy products	2,3	106,0	101,4	93,7	101,2	107,2	103,3	106,9
-Grain mill products	2,8	107,5	111,9	110,5	107,4	110,7	109,7	106,1
-Other food products	7,1	105,0	116,5	111,5	125,8	102,6	106,3	110,7
-Beverages	6,4	111,0	99,2	97,4	101,9	113,9	113,9	116,6
Textiles, clothing, leather and footwear	2,9	95,2	100,1	88,4	98,3	97,1	89,0	95,1
-Textiles	0,8	82,8	88,6	83,5	80,6	86,4	79,9	78,8
-Other textile products	0,4	95,1	99,5	93,5	96,1	97,8	94,4	94,5
-Knitted, crocheted articles	0,1	65,9	60,3	45,7	52,8	64,1	45,5	56,1
-Wearing apparel	1,0	100,9	103,6	92,4	106,3	99,8	95,5	101,9
-Leather and leather products	0,2	120,3	126,5	128,4	112,3	129,6	121,9	115,4
-Footwear	0,4	101,5	111,4	75,3	119,0	103,6	80,7	110,7
Wood and wood products, paper, publishing and printing	9,5	103,6	105,3	100,4	104,8	105,8	103,0	105,1
-Sawmilling and planing of wood	0,8	108,4	116,3	120,3	123,3	110,1	117,7	116,7
-Products of wood	1,8	98,7	105,9	100,3	98,4	102,3	100,1	94,9
-Paper and paper products	3,3	100,0	99,8	105,1	99,2	103,1	101,6	102,7
-Publishing	1,4	116,5	117,2	102,8	101,9	122,3	110,2	106,2
-Printing, recorded media	2,2	102,6	101,1	84,4	113,2	100,2	97,1	111,8
Petroleum, chemical products, rubber and plastic products	22,5	108,6	115,2	107,1	109,1	111,5	106,1	105,7
-Coke, petroleum products and nuclear fuel	6,3	101,9	109,4	107,2	110,3	101,0	104,8	102,5
-Basic chemicals	4,8	108,7	117,6	105,1	119,0	114,3	108,7	115,9
-Other chemical products	7,1	114,5	117,1	111,5	107,4	115,8	108,7	106,1
-Rubber products	1,2	113,0	122,5	100,6	99,3	116,5	96,4	94,7
-Plastic products	3,1	107,4	116,4	102,3	99,0	116,6	102,7	99,6
Glass and non-metallic mineral products	4,4	105,5	114,8	101,0	109,4	107,1	97,0	101,9
-Glass and glass products	0,9	105,3	117,8	78,3	87,3	111,5	82,1	82,4
-Non-metallic mineral products	3,5	105,6	114,1	106,7	115,0	106,0	100,8	106,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	20,4	105,3	110,2	106,1	87,7	111,2	105,7	88,8
-Basic iron and steel products	4,7	94,8	102,2	95,4	78,2	113,4	94,7	87,5
-Non-ferrous metal products	3,5	108,4	114,6	103,2	90,6	113,7	109,2	90,0
-Structural metal products	2,2	88,8	84,7	89,9	67,3	86,5	88,3	69,2
-Other fabricated metal products	3,9	119,5	124,9	131,4	95,7	118,6	131,0	91,4
-General purpose machinery	2,4	100,4	104,3	91,0	78,7	102,7	87,0	77,8
-Special purpose machinery	3,0	114,4	120,5	117,2	108,1	118,8	114,4	106,3
-Household appliances	0,7	113,6	118,0	106,5	101,3	119,0	103,8	102,4
Electrical machinery	2,4	104,8	110,1	114,1	82,2	108,0	108,2	80,6
Radio, television and communication apparatus and professional equipment	1,4	127,1	125,8	136,8	123,4	121,8	140,3	120,3
-Radio, television and communication apparatus	0,9	141,2	137,4	150,5	144,7	132,2	159,6	140,6
-Professional equipment	0,5	105,2	107,9	115,6	90,4	105,7	110,4	89,1
Motor vehicles, parts and accessories and other transport equipment	8,6	109,4	129,9	110,0	92,2	132,1	101,4	94,3
-Motor vehicles	3,9	124,6	153,9	132,6	98,7	157,4	117,6	101,9
-Bodies for motor vehicles, trailers and semi-trailers	0,5	111,2	122,5	112,6	99,0	120,5	108,8	97,5
-Parts and accessories	3,0	94,8	114,5	89,3	85,2	117,0	87,3	87,7
-Other transport equipment	1,2	96,8	95,2	88,2	85,9	94,3	81,5	84,9
Furniture and other manufacturing division	4,1	94,8	99,0	98,5	108,3	95,6	98,0	104,6
-Furniture	1,1	110,6	118,6	118,3	125,0	113,3	118,4	119,3
-Other manufacturing groups	3,0	89,3	92,2	91,7	102,5	89,5	90,8	99,4
Total	100,0	106,5	111,9	105,8	103,1	110,9	105,8	102,0

1/ Preliminary.

Table 4b – Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups (concluded)

Base: 2010=100

Manufacturing divisions and major groups	Weights 2011	Average for 2013	Actual indices			Seasonally adjusted indices		
			July 2013	1/ July 2014	% change between July 2013 and July 2014	June 2014	July 2014	% change between June and July 2014
Food and beverages	23,8	108,0	108,9	113,4	4,1	110,8	113,0	2,0
-Meat, fish, fruit, etc.	5,2	109,5	112,4	119,4	6,2	116,9	118,1	1,0
-Dairy products	2,3	106,0	101,4	101,2	-0,2	103,3	106,9	3,5
-Grain mill products	2,8	107,5	111,9	107,4	-4,0	109,7	106,1	-3,3
-Other food products	7,1	105,0	116,5	125,8	8,0	106,3	110,7	4,1
-Beverages	6,4	111,0	99,2	101,9	2,7	113,9	116,6	2,4
Textiles, clothing, leather and footwear	2,9	95,2	100,1	98,3	-1,8	89,0	95,1	6,9
-Textiles	0,8	82,8	88,6	80,6	-9,0	79,9	78,8	-1,4
-Other textile products	0,4	95,1	99,5	96,1	-3,4	94,4	94,5	0,1
-Knitted, crocheted articles	0,1	65,9	60,3	52,8	-12,4	45,5	56,1	23,3
-Wearing apparel	1,0	100,9	103,6	106,3	2,6	95,5	101,9	6,7
-Leather and leather products	0,2	120,3	126,5	112,3	-11,2	121,9	115,4	-5,3
-Footwear	0,4	101,5	111,4	119,0	6,8	80,7	110,7	37,2
Wood and wood products, paper, publishing and printing	9,5	103,6	105,3	104,8	-0,5	103,0	105,1	2,0
-Sawmilling and planing of wood	0,8	108,4	116,3	123,3	6,0	117,7	116,7	-0,8
-Products of wood	1,8	98,7	105,9	98,4	-7,1	100,1	94,9	-5,2
-Paper and paper products	3,3	100,0	99,8	99,2	-0,6	101,6	102,7	1,1
-Publishing	1,4	116,5	117,2	101,9	-13,1	110,2	106,2	-3,6
-Printing, recorded media	2,2	102,6	101,1	113,2	12,0	97,1	111,8	15,1
Petroleum, chemical products, rubber and plastic products	22,5	108,6	115,2	109,1	-5,3	106,1	105,7	-0,4
-Coke, petroleum products and nuclear fuel	6,3	101,9	109,4	110,3	0,8	104,8	102,5	-2,2
-Basic chemicals	4,8	108,7	117,6	119,0	1,2	108,7	115,9	6,6
-Other chemical products	7,1	114,5	117,1	107,4	-8,3	108,7	106,1	-2,4
-Rubber products	1,2	113,0	122,5	99,3	-18,9	96,4	94,7	-1,8
-Plastic products	3,1	107,4	116,4	99,0	-14,9	102,7	99,6	-3,0
Glass and non-metallic mineral products	4,4	105,5	114,8	109,4	-4,7	97,0	101,9	5,1
-Glass and glass products	0,9	105,3	117,8	87,3	-25,9	82,1	82,4	0,4
-Non-metallic mineral products	3,5	105,6	114,1	115,0	0,8	100,8	106,8	6,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	20,4	105,3	110,2	87,7	-20,4	105,7	88,8	-16,0
-Basic iron and steel products	4,7	94,8	102,2	78,2	-23,5	94,7	87,5	-7,6
-Non-ferrous metal products	3,5	108,4	114,6	90,6	-20,9	109,2	90,0	-17,6
-Structural metal products	2,2	88,8	84,7	67,3	-20,5	88,3	69,2	-21,6
-Other fabricated metal products	3,9	119,5	124,9	95,7	-23,4	131,0	91,4	-30,2
-General purpose machinery	2,4	100,4	104,3	78,7	-24,5	87,0	77,8	-10,6
-Special purpose machinery	3,0	114,4	120,5	108,1	-10,3	114,4	106,3	-7,1
-Household appliances	0,7	113,6	118,0	101,3	-14,2	103,8	102,4	-1,3
Electrical machinery	2,4	104,8	110,1	82,2	-25,3	108,2	80,6	-25,5
Radio, television and communication apparatus and professional equipment	1,4	127,1	125,8	123,4	-1,9	140,3	120,3	-14,3
-Radio, television and communication apparatus	0,9	141,2	137,4	144,7	5,3	159,6	140,6	-11,9
-Professional equipment	0,5	105,2	107,9	90,4	-16,2	110,4	89,1	-19,3
Motor vehicles, parts and accessories and other transport equipment	8,6	109,4	129,9	92,2	-29,0	101,4	94,3	-7,0
-Motor vehicles	3,9	124,6	153,9	98,7	-35,9	117,6	101,9	-13,4
-Bodies for motor vehicles, trailers and semi-trailers	0,5	111,2	122,5	99,0	-19,2	108,8	97,5	-10,4
-Parts and accessories	3,0	94,8	114,5	85,2	-25,6	87,3	87,7	0,5
-Other transport equipment	1,2	96,8	95,2	85,9	-9,8	81,5	84,9	4,2
Furniture and other manufacturing division	4,1	94,8	99,0	108,3	9,4	98,0	104,6	6,7
-Furniture	1,1	110,6	118,6	125,0	5,4	118,4	119,3	0,8
-Other manufacturing groups	3,0	89,3	92,2	102,5	11,2	90,8	99,4	9,5
Total	100,0	106,5	111,9	103,1	-7,9	105,8	102,0	-3,6

1/ Preliminary.

Table 5 – Total estimated sales of the manufacturing industry at current prices (R'000): 2008 – 2014

Month	* 2008	* 2009	* 2010	* 2011	* 2012	* 2013	2014
Jan	94 742 175	89 411 709	90 043 639	95 914 260	107 125 725	116 496 690	* 130 317 527
Feb	112 667 149	101 389 780	101 802 931	111 504 610	125 726 110	131 666 953	* 146 262 502
Mar	119 658 956	109 741 940	115 312 858	126 114 741	133 201 183	137 659 315	* 151 399 659
Apr	121 578 756	93 988 030	101 813 278	108 002 905	117 398 378	133 362 802	143 701 281
May	124 921 581	100 539 504	109 347 265	117 550 156	130 161 819	141 170 742	1/ 148 216 691
Jun	129 712 325	102 182 642	113 714 894	122 066 418	130 686 381	139 191 581	1/ 156 154 443
Jul	133 522 456	103 852 587	112 863 459	112 900 609	127 523 717	146 281 118	1/ 146 676 418
Aug	131 306 310	104 831 059	110 602 573	124 733 688	134 271 194	143 904 416	
Sep	130 807 226	109 100 206	113 246 712	133 013 706	131 703 059	140 281 228	
Oct	137 573 799	114 516 711	121 671 719	133 668 047	144 305 886	156 176 718	
Nov	128 271 568	116 693 241	126 495 305	139 068 350	153 074 012	162 115 203	
Dec	100 934 476	99 259 368	104 538 782	117 666 432	123 592 966	140 400 601	
Year	1 465 696 777	1 245 506 777	1 321 453 415	1 442 203 922	1 558 770 430	1 688 707 367	

1/ Preliminary.
* Revised. See note on page 7.

Table 6 – Annual percentage change in the total estimated value of sales of the manufacturing industry: 2008 – 2014

Month	2008	2009	2010	2011	2012	2013	2014
Jan	11,9	-5,6	0,7	6,5	11,7	8,7	11,9
Feb	16,1	-10,0	0,4	9,5	12,8	4,7	11,1
Mar	14,4	-8,3	5,1	9,4	5,6	3,3	10,0
Apr	28,7	-22,7	8,3	6,1	8,7	13,6	7,8
May	17,9	-19,5	8,8	7,5	10,7	8,5	5,0
Jun	26,0	-21,2	11,3	7,3	7,1	6,5	12,2
Jul	29,0	-22,2	8,7	0,0	13,0	14,7	0,3
Aug	20,0	-20,2	5,5	12,8	7,6	7,2	
Sep	24,8	-16,6	3,8	17,5	-1,0	6,5	
Oct	16,3	-16,8	6,2	9,9	8,0	8,2	
Nov	5,9	-9,0	8,4	9,9	10,1	5,9	
Dec	4,9	-1,7	5,3	12,6	5,0	13,6	
Year	17,9	-15,0	6,1	9,1	8,1	8,3	

2/ The annual percentage change is the change in the sales of the manufacturing industry of the relevant month of the current year compared with the sales of the corresponding month of the previous year expressed as a percentage.

Table 7 – Total seasonally adjusted sales of the manufacturing industry at current prices (R'000): 2008 – 2014

Month	2008	2009	2010	2011	2012	2013	2014
Jan	112 880 866	107 095 270	107 490 198	113 924 970	125 664 731	136 166 052	151 904 432
Feb	118 297 273	106 106 787	105 972 054	115 642 184	130 091 313	135 571 778	150 416 284
Mar	115 769 497	105 622 596	110 538 235	121 206 912	128 446 256	133 218 665	146 732 908
Apr	130 226 127	100 912 641	109 275 494	115 403 636	124 909 793	141 411 555	151 978 876
May	124 337 494	100 930 225	109 595 194	117 609 038	130 309 080	141 330 111	148 375 937
Jun	126 756 536	100 406 779	111 742 111	120 080 468	128 751 236	137 429 779	154 344 290
Jul	130 454 296	102 348 204	111 533 206	112 035 251	126 892 880	145 770 274	146 443 836
Aug	127 095 603	102 137 206	108 364 565	122 418 702	132 028 077	141 447 794	
Sep	124 300 388	103 974 597	108 196 353	127 739 177	127 233 068	135 940 922	
Oct	125 057 679	104 362 990	111 295 275	122 849 268	133 118 338	144 296 802	
Nov	115 316 216	104 658 411	112 960 490	124 013 031	136 670 744	144 698 227	
Dec	111 240 486	108 596 846	114 047 936	128 040 036	133 537 203	151 755 147	

Table 8a – Estimated sales of the manufacturing industry at current prices according to manufacturing divisions and major groups (R'000)

Manufacturing divisions and major groups	* Year 2013	Actual values			Seasonally adjusted values		
		* July 2013	1/ June 2014	1/ July 2014	July 2013	June 2014	July 2014
Food and beverages	358 787 605	28 967 558	31 312 395	31 996 932	30 317 223	33 050 628	33 491 159
-Meat, fish, fruit, etc.	93 676 050	7 955 560	8 879 686	8 943 879	8 078 503	9 086 750	9 084 017
-Dairy products	30 433 389	2 508 024	2 582 049	2 755 009	2 575 145	2 808 298	2 836 634
-Grain mill products	60 913 071	5 274 149	5 623 093	5 464 268	5 247 689	5 584 902	5 441 054
-Other food products	74 241 039	6 043 055	6 479 442	6 849 980	6 040 316	6 559 534	6 857 260
-Beverages	99 524 056	7 186 770	7 748 125	7 983 796	8 375 570	9 011 145	9 272 194
Textiles, clothing, leather and footwear	45 890 303	4 019 773	3 876 375	4 044 551	3 987 840	3 911 582	4 008 472
-Textiles	5 646 925	505 375	543 497	513 777	507 800	533 543	515 579
-Other textile products	11 512 078	1 042 708	1 017 349	1 001 803	1 039 459	1 014 731	1 001 942
-Knitted, crocheted articles	2 614 746	194 671	162 407	192 443	199 028	160 892	196 432
-Wearing apparel	15 631 991	1 352 291	1 264 260	1 431 151	1 311 754	1 317 388	1 383 382
-Leather and leather products	6 142 555	544 831	587 653	491 684	554 235	567 240	501 419
-Footwear	4 342 008	379 897	301 209	413 693	375 565	317 789	409 719
Wood and wood products, paper, publishing and printing	128 298 495	10 681 824	11 207 125	11 396 403	10 930 747	11 218 494	11 653 939
-Sawmilling and planing of wood	9 846 071	855 627	942 757	938 771	821 761	924 683	901 487
-Products of wood	17 300 181	1 566 977	1 595 439	1 483 666	1 523 626	1 559 533	1 439 240
-Paper and paper products	55 755 255	4 560 372	5 224 215	4 817 131	4 789 338	4 967 600	5 070 307
-Publishing	20 848 245	1 708 157	1 626 053	1 622 882	1 802 215	1 708 120	1 711 845
-Printing, recorded media	24 548 743	1 990 691	1 818 661	2 533 953	1 993 807	2 058 558	2 531 060
Petroleum, chemical products, rubber and plastic products	423 519 162	37 306 280	37 517 878	39 084 309	36 296 070	36 663 307	38 086 010
-Coke, petroleum products and nuclear fuel	179 277 670	16 316 265	16 082 117	17 378 602	15 400 640	15 449 655	16 466 288
-Basic chemicals	84 434 772	7 186 707	7 446 007	8 076 369	7 090 560	7 436 866	7 971 284
-Other chemical products	94 393 875	7 889 738	8 234 402	8 002 315	7 938 752	8 070 528	8 047 989
-Rubber products	16 107 981	1 465 285	1 432 107	1 378 773	1 401 139	1 382 635	1 325 012
-Plastic products	49 304 864	4 448 285	4 323 245	4 248 250	4 464 978	4 323 623	4 275 437
Glass and non-metallic mineral products	54 410 554	5 113 467	4 845 262	4 921 234	4 809 317	4 665 112	4 622 648
-Glass and glass products	9 847 833	907 560	757 526	766 342	884 614	756 711	745 287
-Non-metallic mineral products	44 562 721	4 205 907	4 087 736	4 154 892	3 924 703	3 908 401	3 877 360
Basic iron and steel, non-ferrous metal products, metal products and machinery	362 211 704	31 571 855	36 000 708	27 560 914	31 825 552	34 673 266	27 815 336
-Basic iron and steel products	107 121 206	9 327 750	11 762 797	6 989 100	9 756 323	11 026 200	7 327 198
-Non-ferrous metal products	75 898 020	6 575 455	7 710 840	6 797 383	6 675 898	7 414 699	6 915 702
-Structural metal products	33 623 084	2 656 402	3 023 206	2 272 695	2 742 110	2 982 883	2 364 448
-Other fabricated metal products	56 645 754	4 957 136	5 424 630	4 231 645	4 773 154	5 258 653	4 095 133
-General purpose machinery	34 285 217	2 967 163	2 956 384	2 537 422	2 947 158	2 810 333	2 526 186
-Special purpose machinery	45 235 936	4 304 674	4 203 152	3 939 218	4 140 729	4 268 709	3 784 592
-Household appliances	9 402 487	783 275	919 699	793 451	790 179	911 788	802 078
Electrical machinery	50 394 196	4 436 273	4 986 473	3 406 149	4 307 585	4 743 240	3 328 349
Radio, television and communication apparatus and professional equipment	18 121 946	1 517 076	1 618 006	1 459 000	1 479 709	1 635 513	1 427 364
-Radio, television and communication apparatus	10 394 619	861 919	899 009	880 579	827 113	955 218	850 485
-Professional equipment	7 727 327	655 157	718 997	578 421	652 596	680 296	576 879
Motor vehicles, parts and accessories and other transport equipment	191 772 877	17 861 938	19 834 991	17 478 350	17 090 448	18 921 561	16 774 200
-Motor vehicles	106 642 282	9 761 988	12 029 808	9 785 126	9 298 172	11 343 203	9 354 228
-Bodies for motor vehicles, trailers and semi-trailers	8 714 712	838 654	783 258	768 964	796 339	782 859	729 170
-Parts and accessories	56 149 287	5 585 471	5 353 684	5 291 921	5 344 916	5 253 157	5 085 219
-Other transport equipment	20 266 596	1 675 825	1 668 241	1 632 339	1 651 020	1 542 342	1 605 582
Furniture and other manufacturing division	55 300 525	4 805 074	4 955 230	5 328 576	4 725 785	4 861 587	5 236 358
-Furniture	14 272 983	1 274 884	1 359 855	1 375 222	1 231 455	1 350 326	1 327 682
-Other manufacturing groups	41 027 542	3 530 190	3 595 375	3 953 354	3 494 330	3 511 261	3 908 676
Total	1 688 707 367	146 281 118	156 154 443	146 676 418	145 770 274	154 344 290	146 443 836

1/ Preliminary.

* Revised. See note on page 7.

Table 8b – Estimated sales of the manufacturing industry at current prices according to manufacturing divisions and major groups (R'000) (concluded)

Manufacturing divisions and major groups	* Year 2013	Actual values			Seasonally adjusted values		
		* July 2013	1/ July 2014	% change between July 2013 and July 2014	June 2014	July 2014	% change between June and July 2014
Food and beverages	358 787 605	28 967 558	31 996 932	10,5	33 050 628	33 491 159	1,3
-Meat, fish, fruit, etc.	93 676 050	7 955 560	8 943 879	12,4	9 086 750	9 084 017	-0,0
-Dairy products	30 433 389	2 508 024	2 755 009	9,8	2 808 298	2 836 634	1,0
-Grain mill products	60 913 071	5 274 149	5 464 268	3,6	5 584 902	5 441 054	-2,6
-Other food products	74 241 039	6 043 055	6 849 980	13,4	6 559 534	6 857 260	4,5
-Beverages	99 524 056	7 186 770	7 983 796	11,1	9 011 145	9 272 194	2,9
Textiles, clothing, leather and footwear	45 890 303	4 019 773	4 044 551	0,6	3 911 582	4 008 472	2,5
-Textiles	5 646 925	505 375	513 777	1,7	533 543	515 579	-3,4
-Other textile products	11 512 078	1 042 708	1 001 803	-3,9	1 014 731	1 001 942	-1,3
-Knitted, crocheted articles	2 614 746	194 671	192 443	-1,1	160 892	196 432	22,1
-Wearing apparel	15 631 991	1 352 291	1 431 151	5,8	1 317 388	1 383 382	5,0
-Leather and leather products	6 142 555	544 831	491 684	-9,8	567 240	501 419	-11,6
-Footwear	4 342 008	379 897	413 693	8,9	317 789	409 719	28,9
Wood and wood products, paper, publishing and printing	128 298 495	10 681 824	11 396 403	6,7	11 218 494	11 653 939	3,9
-Sawmilling and planing of wood	9 846 071	855 627	938 771	9,7	924 683	901 487	-2,5
-Products of wood	17 300 181	1 566 977	1 483 666	-5,3	1 559 533	1 439 240	-7,7
-Paper and paper products	55 755 255	4 560 372	4 817 131	5,6	4 967 600	5 070 307	2,1
-Publishing	20 848 245	1 708 157	1 622 882	-5,0	1 708 120	1 711 845	0,2
-Printing, recorded media	24 548 743	1 990 691	2 533 953	27,3	2 058 558	2 531 060	23,0
Petroleum, chemical products, rubber and plastic products	423 519 162	37 306 280	39 084 309	4,8	36 663 307	38 086 010	3,9
-Coke, petroleum products and nuclear fuel	179 277 670	16 316 265	17 378 602	6,5	15 449 655	16 466 288	6,6
-Basic chemicals	84 434 772	7 186 707	8 076 369	12,4	7 436 866	7 971 284	7,2
-Other chemical products	94 393 875	7 889 738	8 002 315	1,4	8 070 528	8 047 989	-0,3
-Rubber products	16 107 981	1 465 285	1 378 773	-5,9	1 382 635	1 325 012	-4,2
-Plastic products	49 304 864	4 448 285	4 248 250	-4,5	4 323 623	4 275 437	-1,1
Glass and non-metallic mineral products	54 410 554	5 113 467	4 921 234	-3,8	4 665 112	4 622 648	-0,9
-Glass and glass products	9 847 833	907 560	766 342	-15,6	756 711	745 287	-1,5
-Non-metallic mineral products	44 562 721	4 205 907	4 154 892	-1,2	3 908 401	3 877 360	-0,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	362 211 704	31 571 855	27 560 914	-12,7	34 673 266	27 815 336	-19,8
-Basic iron and steel products	107 121 206	9 327 750	6 989 100	-25,1	11 026 200	7 327 198	-33,5
-Non-ferrous metal products	75 898 020	6 575 455	6 797 383	3,4	7 414 699	6 915 702	-6,7
-Structural metal products	33 623 084	2 656 402	2 272 695	-14,4	2 982 883	2 364 448	-20,7
-Other fabricated metal products	56 645 754	4 957 136	4 231 645	-14,6	5 258 653	4 095 133	-22,1
-General purpose machinery	34 285 217	2 967 163	2 537 422	-14,5	2 810 333	2 526 186	-10,1
-Special purpose machinery	45 235 936	4 304 674	3 939 218	-8,5	4 268 709	3 784 592	-11,3
-Household appliances	9 402 487	783 275	793 451	1,3	911 788	802 078	-12,0
Electrical machinery	50 394 196	4 436 273	3 406 149	-23,2	4 743 240	3 328 349	-29,8
Radio, television and communication apparatus and professional equipment	18 121 946	1 517 076	1 459 000	-3,8	1 635 513	1 427 364	-12,7
-Radio, television and communication apparatus	10 394 619	861 919	880 579	2,2	955 218	850 485	-11,0
-Professional equipment	7 727 327	655 157	578 421	-11,7	680 296	576 879	-15,2
Motor vehicles, parts and accessories and other transport equipment	191 772 877	17 861 938	17 478 350	-2,1	18 921 561	16 774 200	-11,3
-Motor vehicles	106 642 282	9 761 988	9 785 126	0,2	11 343 203	9 354 228	-17,5
-Bodies for motor vehicles, trailers and semi-trailers	8 714 712	838 654	768 964	-8,3	782 859	729 170	-6,9
-Parts and accessories	56 149 287	5 585 471	5 291 921	-5,3	5 253 157	5 085 219	-3,2
-Other transport equipment	20 266 596	1 675 825	1 632 339	-2,6	1 542 342	1 605 582	4,1
Furniture and other manufacturing division	55 300 525	4 805 074	5 328 576	10,9	4 861 587	5 236 358	7,7
-Furniture	14 272 983	1 274 884	1 375 222	7,9	1 350 326	1 327 682	-1,7
-Other manufacturing groups	41 027 542	3 530 190	3 953 354	12,0	3 511 261	3 908 676	11,3
Total	1 688 707 367	146 281 118	146 676 418	0,3	154 344 290	146 443 836	-5,1

1/ Preliminary.

* Revised. See note on page 7.

Table 9 – Annual percentage change in the three-monthly physical volume of manufacturing production and estimated sales according to manufacturing divisions and major groups

Manufacturing divisions and major groups	Weights 2011	Production indices (base: 2010=100)			Value of sales (R'000)		
		May to July 2013	May to July 2014	% change between May to July 2013 and May to July 2014	* May to July 2013	May to July 2014	% change between May to July 2013 and May to July 2014
Food and beverages	23,8	107,1	108,5	1,3	85 421 997	94 316 923	10,4
-Meat, fish, fruit, etc.	5,2	109,6	116,2	6,0	23 198 934	26 545 979	14,4
-Dairy products	2,3	100,2	97,8	-2,4	7 302 309	7 988 289	9,4
-Grain mill products	2,8	108,6	108,1	-0,5	15 326 922	16 588 366	8,2
-Other food products	7,1	115,1	114,0	-1,0	18 145 047	19 740 604	8,8
-Beverages	6,4	98,2	100,2	2,0	21 448 785	23 453 685	9,3
Textiles, clothing, leather and footwear	2,9	98,5	93,4	-5,2	11 797 338	12 057 633	2,2
-Textiles	0,8	87,4	82,8	-5,3	1 470 140	1 613 542	9,8
-Other textile products	0,4	100,0	96,7	-3,3	3 058 592	3 099 786	1,3
-Knitted, crocheted articles	0,1	68,2	55,3	-18,9	684 171	594 584	-13,1
-Wearing apparel	1,0	102,7	97,1	-5,5	3 958 286	4 045 556	2,2
-Leather and leather products	0,2	123,7	120,1	-2,9	1 559 628	1 633 401	4,7
-Footwear	0,4	104,1	98,1	-5,8	1 066 521	1 070 764	0,4
Wood and wood products, paper, publishing and printing	9,5	100,9	101,8	0,9	30 910 532	33 398 360	8,0
-Sawmilling and planing of wood	0,8	111,0	117,9	6,2	2 439 399	2 681 669	9,9
-Products of wood	1,8	101,3	98,4	-2,9	4 420 800	4 543 126	2,8
-Paper and paper products	3,3	100,4	102,8	2,4	13 789 474	15 024 012	9,0
-Publishing	1,4	106,6	100,5	-5,7	4 679 031	4 752 927	1,6
-Printing, recorded media	2,2	93,8	97,9	4,4	5 581 828	6 396 626	14,6
Petroleum, chemical products, rubber and plastic products	22,5	108,1	108,1	0,0	107 845 447	113 321 188	5,1
-Coke, petroleum products and nuclear fuel	6,3	95,7	109,7	14,6	46 702 114	49 350 229	5,7
-Basic chemicals	4,8	113,1	111,5	-1,4	21 502 925	23 013 496	7,0
-Other chemical products	7,1	112,5	108,6	-3,5	22 873 097	24 042 812	5,1
-Rubber products	1,2	126,9	102,3	-19,4	4 364 901	4 190 343	-4,0
-Plastic products	3,1	108,8	100,4	-7,7	12 402 410	12 724 308	2,6
Glass and non-metallic mineral products	4,4	112,8	104,2	-7,6	14 499 193	14 406 839	-0,6
-Glass and glass products	0,9	109,5	81,4	-25,7	2 534 363	2 184 147	-13,8
-Non-metallic mineral products	3,5	113,6	109,9	-3,3	11 964 830	12 222 692	2,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	20,4	110,5	99,9	-9,6	92 928 059	96 828 967	4,2
-Basic iron and steel products	4,7	106,4	93,5	-12,1	28 024 310	29 371 641	4,8
-Non-ferrous metal products	3,5	111,7	102,1	-8,6	19 465 310	21 881 413	12,4
-Structural metal products	2,2	86,0	80,2	-6,7	8 127 606	7 981 137	-1,8
-Other fabricated metal products	3,9	120,9	116,5	-3,6	14 292 893	14 845 382	3,9
-General purpose machinery	2,4	107,0	84,6	-20,9	9 002 564	8 134 862	-9,6
-Special purpose machinery	3,0	121,6	109,7	-9,8	11 671 208	11 923 651	2,2
-Household appliances	0,7	117,1	112,2	-4,2	2 344 168	2 690 881	14,8
Electrical machinery	2,4	109,8	99,2	-9,7	13 031 153	12 501 283	-4,1
Radio, television and communication apparatus and professional equipment	1,4	119,9	133,0	10,9	4 346 560	4 800 305	10,4
-Radio, television and communication apparatus	0,9	129,1	153,6	19,0	2 406 472	2 832 852	17,7
-Professional equipment	0,5	105,8	101,2	-4,3	1 940 088	1 967 453	1,4
Motor vehicles, parts and accessories and other transport equipment	8,6	127,8	103,8	-18,8	51 610 011	54 248 819	5,1
-Motor vehicles	3,9	151,7	118,8	-21,7	28 484 261	30 958 999	8,7
-Bodies for motor vehicles, trailers and semi-trailers	0,5	120,5	109,4	-9,2	2 349 391	2 355 223	0,2
-Parts and accessories	3,0	109,0	90,3	-17,2	15 425 391	16 010 721	3,8
-Other transport equipment	1,2	102,1	86,7	-15,1	5 350 968	4 923 876	-8,0
Furniture and other manufacturing division	4,1	95,9	99,5	3,8	14 253 151	15 167 235	6,4
-Furniture	1,1	111,0	120,4	8,5	3 560 730	4 065 955	14,2
-Other manufacturing groups	3,0	90,7	92,3	1,8	10 692 421	11 101 280	3,8
Total	100,0	109,0	104,7	-3,9	426 643 441	451 047 552	5,7

* Revised. See note on page 7.

Explanatory notes

- Introduction**
- 1 Statistics South Africa (Stats SA) conducts a monthly survey of the manufacturing industry, covering manufacturing enterprises. This statistical release contains the results of a sample drawn from the business sampling frame (BSF), with enhanced coverage of South African businesses (see 4 below). The release contains monthly indices of the physical volume of manufacturing production and monthly value of sales of manufactured products by divisions and major groups within manufacturing.
 - 2 In accordance with international practice, the indices are re-based every five years to a new base year. The base period of the index is 2010. Both estimated and seasonally adjusted figures are presented.
 - 3 In order to improve timeliness, some information for the latest month had to be estimated for respondents who have not reported by the cut-off date for production of results. These estimates will be revised in future statistical releases when their reported information becomes available.
 - 4 As indicated earlier, Stats SA is continuously upgrading its BR, based on units registered for value added tax (VAT) and income tax (IT), obtained from the South African Revenue Service (SARS).
- Purpose of the survey**
- 5 The results of the monthly manufacturing production and sales survey are used to calculate indices of the physical volume of manufacturing production. These indices provide an indicator of the real level of manufacturing activity in the economy. They are used in monitoring the state of the economy and formulation of economic policy. They are also important inputs to estimation of the gross domestic product (GDP).
- Special Data Dissemination Standard of the IMF**
- 6 The data in this statistical release adhere to the Special Data Dissemination Standard (SDDS) of the International Monetary Fund (IMF), which sets out standards on coverage, periodicity and timeliness of data, access by the public, integrity, and quality of the disseminated data.
- Scope of the survey**
- 7 This survey covers manufacturing enterprises, i.e. those conducting activities in -
 - the manufacturing, processing, making or packing of products;
 - the slaughtering of animals, including poultry; and
 - installation, assembly, completion, repair and related work.
- Classification**
- 8 The 1993 edition of the *Standard Industrial Classification of all Economic Activities* (SIC), Fifth Edition, Report No. 09-90-02, was used to classify the statistical units in the survey. The SIC is based on the 1990 *International Standard Industrial Classification of all Economic Activities* (ISIC) with suitable adaptations for local conditions. Each enterprise is classified to an industry which reflects its predominant activity. Statistics in this publication are presented at SIC division (two digit) and major group (three digit) level.
- Collection rate**
- 9 The preliminary collection rate for the survey on manufacturing production and sales for July 2014 was 88,6%. The collection rate for June 2014 for the new sample was 90,5%.
- Statistical unit**
- 10 The statistical unit for which information is compiled and published is the enterprise, defined as a legal unit or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.

Survey methodology and design

- 11** The survey is conducted monthly. Questionnaires are sent to a sample of 3 000 enterprises. Completed questionnaires are required to be returned to Stats SA within 10 days after the end of the reference month. Fax and telephone reminders are used to follow up non-respondents.
- 12** The value of sales of manufactured products is obtained monthly from the sample of 3 000 enterprises, which was drawn in April 2014 from a population then of 45 405 manufacturing enterprises. Each manufacturing major group is divided into four size groups. The sample is drawn at the SIC three-digit level. All large enterprises (size group one), are completely enumerated. Simple random sampling is applied for size group two (medium sized) enterprises, and for size groups three and four (small) enterprises. The total value of sales of manufactured products of large enterprises (size group one) in a major group is added to the weighted totals of size groups two, three and four of that major group to reflect the total value of sales of the major group.
- 13** The calculation of the monthly production indices is based on the value of sales of products and articles manufactured and change in monthly value of stocks of manufactured products, after the effect of price changes has been eliminated through deflation using appropriate indices of the Production Price Index (PPI). For 38 of the 44 major groups in manufacturing, the value of production is calculated from the value of sales and stocks of manufactured products obtained from the monthly survey of manufacturing enterprises.
- 14** More direct indicators are used for the value of production of tobacco, coke and refined petroleum products, basic iron and steel products, basic precious and non-ferrous metal products, motor vehicles and parts and accessories for motor vehicles. The volume indices for these major groups are calculated on the basis of physical quantities. This method is used by the national statistical agencies of many other countries for petroleum products as the results are considered more satisfactory (mainly because these commodities are relatively homogeneous).

Weighting methodology

- 15** For those strata not completely enumerated, the weights to produce estimates are the inverse ratio of the sampling fraction, modified to take account of non-response in the survey. Stratum estimates are calculated and then aggregated with the completely enumerated stratum to form major group and division estimates. These procedures are consistent with international best practice.
- 16** For indices, a weight is calculated for every major group according to the value added of the major group relative to the total value added of the manufacturing industry as a whole, based on the results of the most recent large sample survey of the manufacturing industry or national accounts value added weights. For the period 2001 to 2004, the weights are based on the 2001 large sample survey of the manufacturing industry (LSS), for the period 2005 to 2009, the weights are based on the 2005 LSS, for the period 2010 the weights are based on national accounts value added data for 2010 and for the period 2011 to 2014, the weights are based on national accounts value added data of 2011. Weights between LSS / national accounts years are fixed. The production indices of all divisions are multiplied by the applicable weights and aggregated to produce the index for the total physical volume of manufacturing production (see Table F for the fixed weights which were used for the three periods 2005 to 2009, 2010 and 2011 to 2014).

Seasonal adjustment

- 17** Seasonally adjusted estimates of all major groups are generated each month, using the X-11 Seasonal Adjustment Program developed by the US Bureau of the Census, 1968. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from a time series so that the effects of other influences on the series can be more clearly recognised. Seasonal adjustment does not aim to remove irregular or non-seasonal influences, which may be present in any particular month. Influences that are volatile or unsystematic can still make it difficult to interpret the movement of the series even after adjustment for seasonal variations. Currently, no adjustment is made for changes in the timing of Easter. Therefore the month-to-month movements of seasonally adjusted estimates may not be reliable indicators of trend behaviour.

- Trend cycle** **18** The trend is the long-term pattern or movement of a time series. The X-11 Seasonal Adjustment Programme is used for smoothing seasonally adjusted estimates to estimates of the underlying trend cycle.
- Reliability of estimates** **19** Data presented in this publication are based on information obtained from a sample and are, therefore, subject to sampling variability; that is, they may differ from the figures that would have been produced if the data had been obtained from all enterprises in the manufacturing industry in South Africa. Estimates are subject to sampling and non-sampling errors.
- 20** Inaccuracies may occur because of imperfections in reporting by enterprises and errors made in the collection and processing of the data. Inaccuracies of this kind are referred to as non-sampling errors. Every effort is made to minimise non-sampling errors by careful design of questionnaires, testing them in pilot studies, editing reported data and implementing efficient operating procedures. Fluctuations may occur in consecutive months as a result of seasonal and economic factors.
- Revised figures** **21** Revised figures are due to late submission of data to Stats SA, or respondents reporting revisions or corrections to their figures. Preliminary figures are indicated in the relevant tables. Data are edited at the enterprise level.
- Related publications** **22** Users may also wish to refer to the following publications available from Stats SA:
- *Bulletin of Statistics*, issued quarterly.
 - *South African Statistics*, issued annually.
- Rounding-off of figures** **23** Where necessary, the figures in the tables have been rounded off to the nearest digit shown. There may, therefore, be slight discrepancies between the sums of the constituent items and the totals shown.
- Symbols and abbreviations** **24**
- | | |
|----------|---|
| BR | Business Register |
| GDP | Gross domestic product |
| ISIC | International Standard Industrial Classification |
| LSS | Large sample survey |
| m | Million |
| SIC | Standard Industrial Classification of all Economic Activities |
| SARS | South African Revenue Service |
| Stats SA | Statistics South Africa |
| VAT | Value added tax |
| * | Revised figures |

Technical notes

26 Neyman optimal allocation

Before drawing a sample in the survey the population of enterprises on the BSF was stratified. Strata were formed using a combination of Standard Industrial Classification variable and the measure of size variable for enterprises. The Neyman optimal allocation formula used to allocate samples to each stratum is given by a formula below.

$$n_h = n * (N_h * S_h) / [\sum (N_i * S_i)].$$

Class limits: Manufacturing (Rand)

Enterprise size	Lower limits	Upper limits
Very small	1 633 746	15 000 000
Small	15 000 001	39 000 000
Medium	39 000 001	153 000 000
Large	153 000 001	

Glossary

Enterprise	An enterprise is a legal entity or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities.
Index of physical volume of manufacturing production	The index of physical volume of manufacturing production, also known as a production index, is a statistical measure of the change in the volume of production. The production index of a major group is the ratio between the volume of production of a major group in a given period and the volume of production of the same major group in the base period. The base period is 2010. The production in the base period is set at 100.
Industry	An industry consists of a group of enterprises engaged in the same or similar kinds of economic activity. Industries are defined in the <i>System of National Accounts</i> (SNA) in the same way as in the 1993 <i>Standard Industrial Classification of all Economic Activities</i> , Fifth Edition, Report No. 09-90-02 of January 1993 (SIC).
Intermediate consumption	Intermediate consumption includes: <ul style="list-style-type: none">• purchases and transfers-in of materials;• payments to other establishments for work done;• other direct factory costs;• rent and leasing paid;• head office charges;• royalties, copyright, trade names and patent rights paid;• advertising;• insurance premiums;• services; and• secretarial and administrative fees.
Output	Output is the aggregate value of goods manufactured and work done and includes: <ul style="list-style-type: none">• sales and transfers-out of own manufactures, factory waste and stocks of factored goods;• repairs;• installation, erection and assembly;• sundry trading revenue;• sales of factored goods minus purchases of factored goods;• rent and leasing received;• royalties received;• difference between opening value and closing value of work in progress, stocks of own manufactures and stocks of factored goods;• head office charges; and• other revenue. Output excludes excise and customs duty paid.
Value added	Value added is the value of output less intermediate consumption. It represents the value added to the cost of the materials used in the process of production.
Sales	Sales are the total value of sales and transfers-out of all own manufactured products/articles and the amounts received for installation, erection or assembly or other services rendered.
Turnover	Turnover refers to: <ul style="list-style-type: none">• the value of sales and transfers out of all own manufactured products/articles;• amounts received for work done; and• amounts received for services rendered.

Turnover excludes:

- value added tax (VAT);
- export freight charges; and
- excise duty.

Weight

The weight of a major group of manufacturing in the overall index for manufacturing is the ratio of the value added of the major group (i.e. output of a major group minus intermediate consumption) to the total value added of the manufacturing industry. The weight reflects the importance of the major group in the total. The weights change over time due to changes in the relative performance of industries, due to factors such as quality changes, changes in relative prices, and changes in customer preferences. New weights need to be calculated from time to time.

Table F – Weights according to manufacturing divisions and major groups

Manufacturing divisions and major groups	Weights according to the 2005 LSS of the manufacturing industry 2005 - 2009	Weights according to 2010 national accounts value added 2010	Weights according to 2011 national accounts value added 2011 - 2014
Food and beverages	15,4	22,1	23,8
Meat, fish, fruit, etc.	1,8	4,4	5,2
Dairy products	0,8	2,2	2,3
Grain mill products	0,8	2,7	2,8
Other food products	5,2	6,4	7,1
Beverages	6,8	6,4	6,4
Textiles, clothing, leather and footwear	4,9	3,5	2,9
Textiles	0,7	0,7	0,8
Other textile products	0,9	0,4	0,4
Knitted, crocheted articles	0,2	0,1	0,1
Wearing apparel	2,1	1,6	1,0
Tanning, dressing of leather	0,6	0,2	0,2
Footwear	0,4	0,5	0,4
Wood and wood products, paper, publishing and printing	10,2	9,3	9,5
Sawmilling and planing of wood	0,7	0,8	0,8
Products of wood	1,3	1,7	1,8
Paper and paper products	3,8	3,2	3,3
Publishing	1,9	1,4	1,4
Printing, recorded media	2,5	2,2	2,2
Petroleum, chemical products, rubber and plastic products	22,1	25,1	22,5
Petroleum products	8,5	8,0	6,3
Basic chemicals	4,5	5,8	4,8
Other chemical products	5,3	7,4	7,1
Rubber products	1,0	1,2	1,2
Plastic products	2,7	2,7	3,1
Glass and non-metallic mineral products	4,8	4,9	4,4
Glass and glass products	1,0	0,8	0,9
Non-metallic mineral products	3,8	4,1	3,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	20,3	20,4
Basic iron and steel products	7,7	4,4	4,7
Non-ferrous metal products	3,4	3,5	3,5
Structural metal products	2,0	1,9	2,2
Other fabricated metal products	3,8	3,8	3,9
General purpose machinery	2,4	2,3	2,4
Special purpose machinery	3,1	3,5	3,0
Household appliances	0,6	0,9	0,7
Electrical machinery	2,5	2,4	2,4
Radio, television and communication apparatus and professional equipment	1,1	1,3	1,4
Radio, television and communication apparatus	0,4	0,8	0,9
Professional equipment	0,7	0,5	0,5
Motor vehicles, parts and accessories and other transport equipment	10,9	7,9	8,6
Motor vehicles	4,9	3,2	3,9
Bodies for motor vehicles, trailers and semi-trailers	0,5	0,6	0,5
Parts and accessories	4,7	2,9	3,0
Other transport equipment	0,9	1,2	1,2
Other manufacturing divisions	5,2	3,2	4,1
Furniture	1,3	0,9	1,1
Other manufacturing groups	3,9	2,3	3,0
Total	100,0	100,0	100,0

General information

Stats SA publishes approximately 300 different statistical releases each year. It is not economically viable to produce them in more than one of South Africa's eleven official languages. Since the releases are used extensively, not only locally but also by international economic and social-scientific communities, Stats SA releases are published in English.

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Enquiries

Telephone number:	(012) 310 8249 (technical enquiries) (012) 310 8044 (orders) (012) 310 4883/4885/8018 (library)
Fax number:	(012) 310 8664 (technical enquiries)
Email address:	gerdab@statssa.gov.za (technical enquiries) info@statssa.gov.za (user information services) magdaj@statssa.gov.za (orders)
Postal address:	Private Bag X44, Pretoria, 0001

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