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# Statistical release

## P3041.2

# Manufacturing: Production and sales (Preliminary)

June 2014

The results published in the next publication (July 2014) will be 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 will be revised (i.e. they will be linked to the estimates based on the new sample).

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## Key figures for June 2014

**Table A – Manufacturing production and sales**

Estimates	June 2014	% change between June 2013 and June 2014	% change between April to June 2013 and April to June 2014	% change between January to June 2013 and January to June 2014
Physical volume of manufacturing production index (base: 2010=100)	106,1	0,5	-1,7	-0,1
Total estimated sales of manufactured products (R million)	153 709	12,3	8,4	9,6

Seasonally adjusted estimates	June 2014	% change between May and June 2014	% change between January to March 2014 and April to June 2014
Physical volume of manufacturing production index (base: 2010=100)	105,9	1,4	-0,4
Total value of sales of manufactured products (R million)	151 251	3,3	1,2

***Manufacturing production increased by 0,5% in June 2014 compared with June 2013.***

The 0,5% year-on-year increase in manufacturing production in June 2014 was mainly due to higher production in the following divisions:

- petroleum, chemical products, rubber and plastic products (3,9% and contributing 0,9 of a percentage point); and
- food and beverages (3,2% and contributing 0,7 of a percentage point).

The motor vehicles, parts and accessories and other transport equipment division (-11,3% and contributing -1,1 percentage points) was a significant negative contributor (see Table 4b).

***Seasonally adjusted manufacturing production decreased by 0,4% in the second quarter of 2014 compared with the first quarter of 2014. Six of the ten manufacturing divisions reported negative growth rates over this period.***

The largest negative contributions to the decrease of 0,4% were made by the following divisions:

- motor vehicles, parts and accessories and other transport equipment (-6,1% and contributing -0,5 of a percentage point); and
- petroleum, chemical products, rubber and plastic products (-1,7% and contributing -0,4 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**

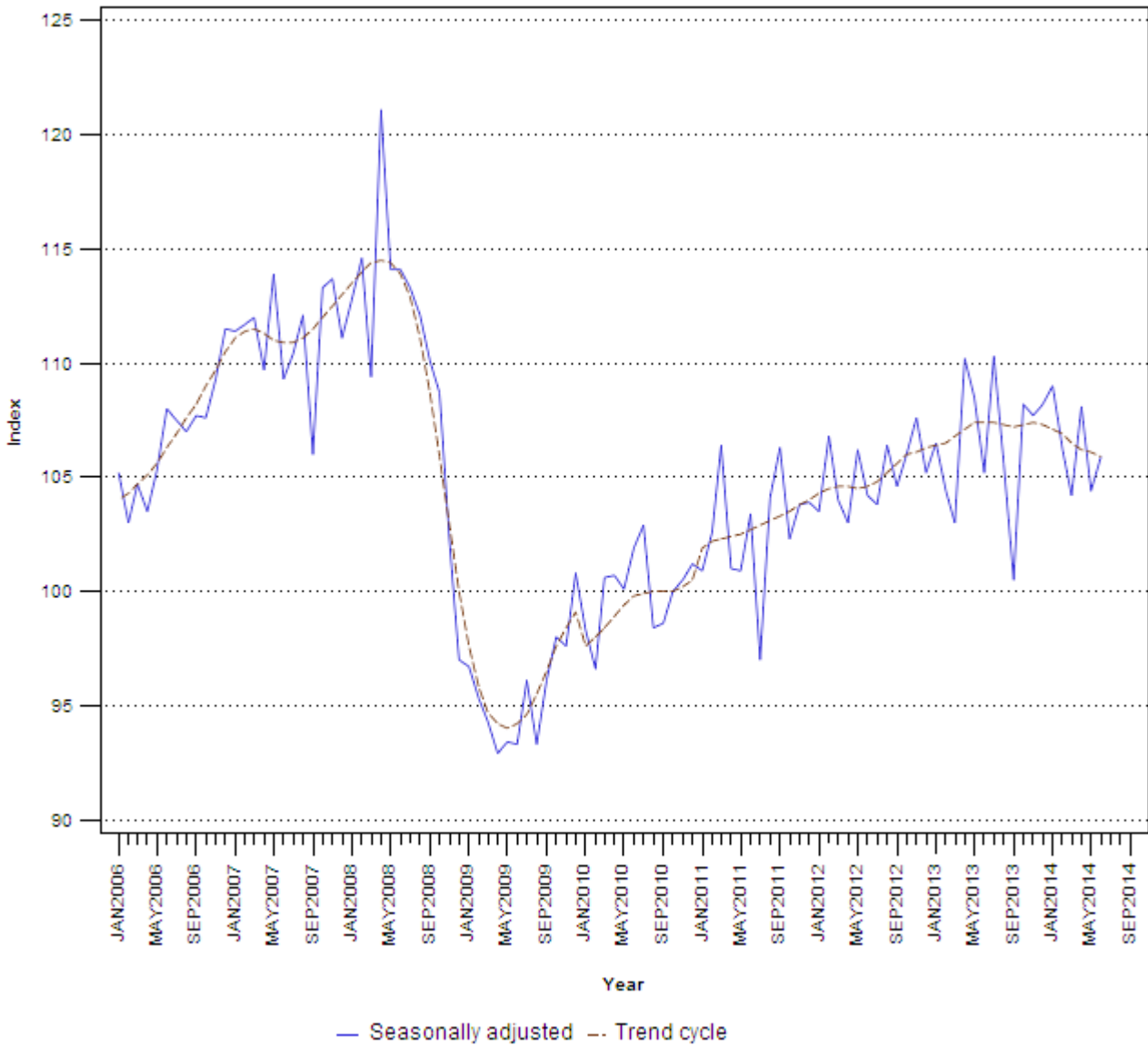
**Base: 2010=100**

Manufacturing divisions and major groups	Weights 2011	Average seasonally adjusted production index for January to March 2014	Average seasonally adjusted production index for April to June 2014	Quarterly % change of April to June 2014 compared with the preceding three months	Contribution (% points) to the seasonally adjusted quarterly % change in total manufacturing production 1/
<b>Food and beverages</b>	<b>23,8</b>	<b>109,3</b>	<b>109,6</b>	<b>0,3</b>	<b>0,1</b>
-Meat, fish, fruit, etc.	5,2	113,7	114,5	0,7	0,0
-Dairy products	2,3	107,1	104,2	-2,7	-0,1
-Grain mill products	2,8	106,8	108,2	1,3	0,0
-Other food products	7,1	108,2	105,0	-3,0	-0,2
-Beverages	6,4	108,7	113,4	4,3	0,3
<b>Textiles, clothing, leather and footwear</b>	<b>2,9</b>	<b>95,7</b>	<b>92,2</b>	<b>-3,7</b>	<b>-0,1</b>
-Textiles	1,2	85,4	84,8	-0,7	0,0
-Wearing apparel	1,1	99,4	93,6	-5,8	-0,1
-Leather and leather products	0,2	127,7	125,6	-1,6	0,0
-Footwear	0,4	102,5	95,6	-6,7	0,0
<b>Wood and wood products, paper, publishing and printing</b>	<b>9,5</b>	<b>101,0</b>	<b>105,5</b>	<b>4,5</b>	<b>0,4</b>
-Wood and products of wood	2,6	104,0	106,4	2,3	0,1
-Paper and paper products	3,3	104,1	105,9	1,7	0,1
-Publishing and printing	3,6	96,2	104,6	8,7	0,3
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,5</b>	<b>109,0</b>	<b>107,2</b>	<b>-1,7</b>	<b>-0,4</b>
-Coke, petroleum products and nuclear fuel	6,3	102,2	105,5	3,2	0,2
-Basic chemicals	4,8	114,6	110,8	-3,3	-0,2
-Other chemical products	7,1	111,6	109,4	-2,0	-0,1
-Rubber products	1,2	113,1	97,6	-13,7	-0,2
-Plastic products	3,1	106,5	104,0	-2,3	-0,1
<b>Glass and non-metallic mineral products</b>	<b>4,4</b>	<b>103,0</b>	<b>98,2</b>	<b>-4,7</b>	<b>-0,2</b>
-Glass and glass products	0,9	94,4	83,9	-11,1	-0,1
-Non-metallic mineral products	3,5	105,2	101,8	-3,2	-0,1
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>20,4</b>	<b>103,2</b>	<b>105,3</b>	<b>2,0</b>	<b>0,4</b>
-Basic iron and steel products	4,7	92,0	95,5	3,8	0,2
-Basic precious, non-ferrous metal products	3,5	108,3	110,6	2,1	0,1
-Fabricated metal products	6,1	107,8	111,8	3,7	0,2
-Machinery and equipment	6,1	104,3	103,4	-0,9	-0,1
<b>Electrical machinery</b>	<b>2,4</b>	<b>105,7</b>	<b>104,4</b>	<b>-1,2</b>	<b>0,0</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,4</b>	<b>133,7</b>	<b>145,8</b>	<b>9,1</b>	<b>0,2</b>
-Radio, television and communication apparatus	0,9	150,1	174,4	16,2	0,2
-Professional equipment	0,6	108,1	101,6	-6,0	0,0
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>8,6</b>	<b>111,3</b>	<b>104,5</b>	<b>-6,1</b>	<b>-0,5</b>
-Motor vehicles	3,9	127,6	121,0	-5,2	-0,2
-Bodies for motor vehicles, trailers and semi-trailers	0,5	108,4	106,0	-2,2	0,0
-Parts and accessories	3,0	95,9	89,6	-6,6	-0,2
-Other transport equipment	1,2	99,1	88,1	-11,1	-0,1
<b>Furniture and other manufacturing division</b>	<b>4,1</b>	<b>97,8</b>	<b>94,3</b>	<b>-3,6</b>	<b>-0,1</b>
-Furniture	1,1	110,4	118,6	7,4	0,1
-Other manufacturing groups	3,0	93,4	85,8	-8,1	-0,2
<b>Total</b>	<b>100,0</b>	<b>106,5</b>	<b>106,1</b>	<b>-0,4</b>	<b>-0,4</b>

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



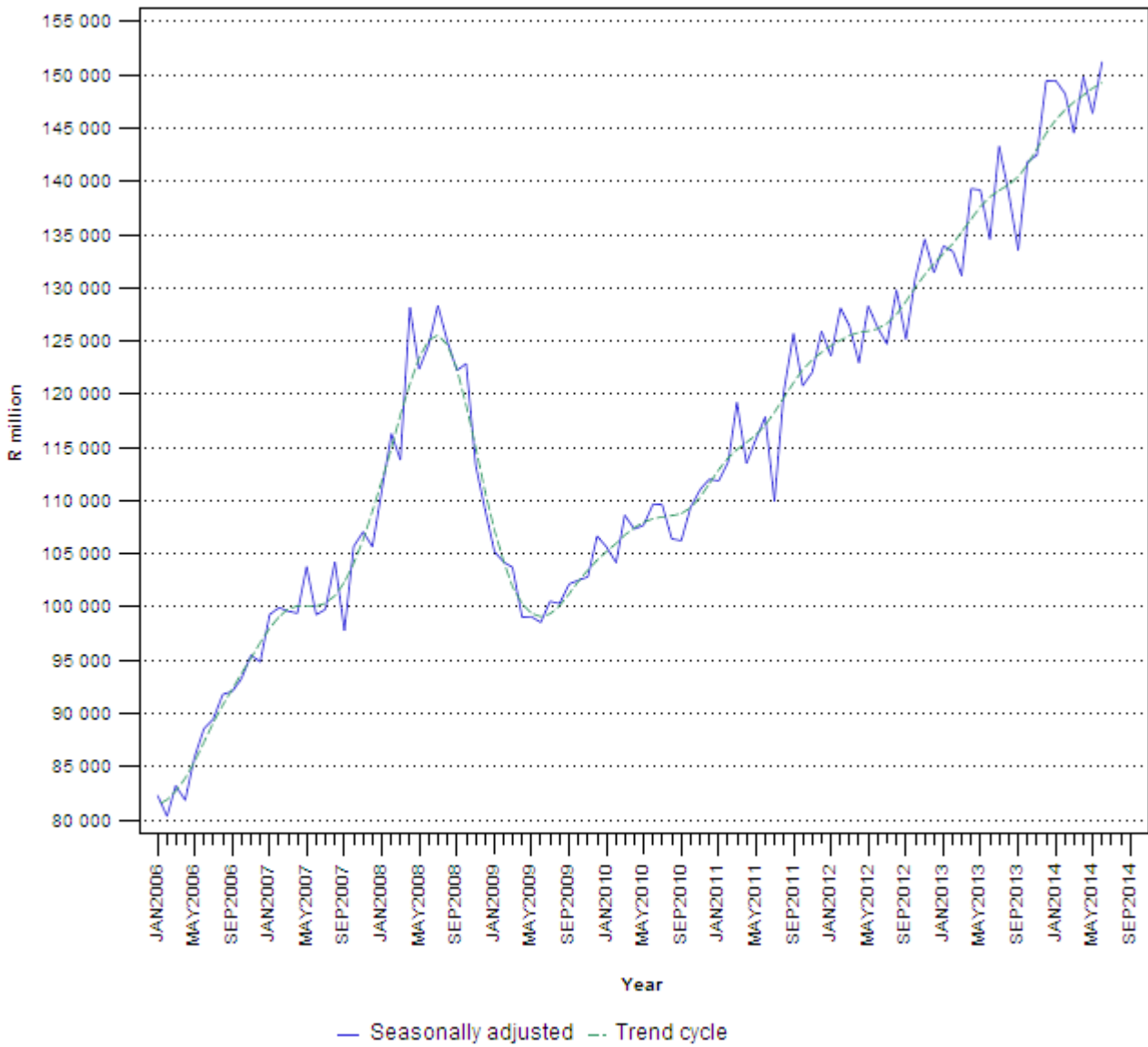
**Seasonally adjusted sales of manufactured products (at current prices) increased by 1,2% (R5 244 million) in the second quarter of 2014 compared with the first quarter of 2014.**

The manufacturing divisions that were mainly responsible for the increase in total manufacturing sales were basic iron and steel, non-ferrous metal products, metal products and machinery (3,9% or R3 700 million) and food and beverages (3,3% or R3 058 million). The petroleum, chemical products, rubber and plastic products division (-2,7% or -R3 081 million) was a significant negative contributor (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 January to March 2014	Seasonally adjusted sales April to June 2014	% change between January to March 2014 and April to June 2014	Difference in seasonally adjusted sales of manufacturing divisions between January to March 2014 and April to June 2014
	R'000	R'000	%	R'000
<b>Food and beverages</b>	<b>92 557 265</b>	<b>95 615 393</b>	<b>3,3</b>	<b>3 058 128</b>
-Food and food products	67 994 491	69 610 807	2,4	1 616 316
-Beverages	24 562 776	26 004 584	5,9	1 441 808
<b>Textiles, clothing, leather and footwear</b>	<b>11 422 014</b>	<b>11 389 383</b>	<b>-0,3</b>	<b>-32 631</b>
-Textiles	4 236 259	4 417 946	4,3	181 687
-Wearing apparel	4 479 200	4 300 754	-4,0	-178 446
-Leather and leather products	1 740 436	1 776 816	2,1	36 380
-Footwear	966 118	893 865	-7,5	-72 253
<b>Wood and wood products, paper, publishing and printing</b>	<b>31 461 128</b>	<b>33 103 029</b>	<b>5,2</b>	<b>1 641 901</b>
-Wood and products of wood	6 540 530	6 792 862	3,9	252 332
-Paper and paper products	15 083 570	15 548 629	3,1	465 059
-Publishing and printing	9 837 028	10 761 538	9,4	924 510
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>112 158 399</b>	<b>109 077 746</b>	<b>-2,7</b>	<b>-3 080 653</b>
-Coke, petroleum products and nuclear fuel	47 405 782	46 762 053	-1,4	-643 729
-Basic chemicals	24 700 216	22 536 224	-8,8	-2 163 992
-Other chemical products	22 685 067	22 620 027	-0,3	-65 040
-Rubber products	4 264 035	4 023 632	-5,6	-240 403
-Plastic products	13 103 299	13 135 807	0,2	32 508
<b>Glass and non-metallic mineral products</b>	<b>12 814 615</b>	<b>13 471 997</b>	<b>5,1</b>	<b>657 382</b>
-Glass and glass products	2 096 901	2 086 316	-0,5	-10 585
-Non-metallic mineral products	10 717 715	11 385 681	6,2	667 966
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>95 775 867</b>	<b>99 475 756</b>	<b>3,9</b>	<b>3 699 889</b>
-Basic iron and steel products	28 812 640	29 993 732	4,1	1 181 092
-Basic precious, non-ferrous metal products	20 142 334	20 821 076	3,4	678 742
-Fabricated metal products	23 658 718	24 859 916	5,1	1 201 198
-Machinery and equipment	23 162 176	23 801 032	2,8	638 856
<b>Electrical machinery</b>	<b>12 306 081</b>	<b>12 037 514</b>	<b>-2,2</b>	<b>-268 567</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>5 328 184</b>	<b>5 420 257</b>	<b>1,7</b>	<b>92 073</b>
-Radio, television and communication apparatus	2 858 586	2 986 609	4,5	128 023
-Professional equipment	2 469 598	2 433 648	-1,5	-35 950
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>54 436 262</b>	<b>53 766 903</b>	<b>-1,2</b>	<b>-669 359</b>
-Motor vehicles, trailers, parts and accessories	49 330 042	49 151 529	-0,4	-178 513
-Other transport equipment	5 106 218	4 615 374	-9,6	-490 844
<b>Furniture and other manufacturing division</b>	<b>13 971 351</b>	<b>14 117 136</b>	<b>1,0</b>	<b>145 785</b>
-Furniture	3 429 159	3 795 710	10,7	366 551
-Other manufacturing groups	10 542 192	10 321 426	-2,1	-220 766
<b>Total</b>	<b>442 231 167</b>	<b>447 475 113</b>	<b>1,2</b>	<b>5 243 946</b>

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



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## 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	1/ 100,1
May	115,4	94,2	100,6	101,6	107,1	109,6	1/ 105,4
Jun	115,7	94,5	102,9	104,2	104,9	105,6	1/ 106,1
Jul	116,0	98,2	105,3	98,9	105,8	111,9	
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	<b>110,9</b>	<b>95,6</b>	<b>100,0</b>	<b>102,8</b>	<b>105,2</b>	<b>106,5</b>	

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	-3,8
Jun	4,5	-18,3	8,9	1,3	0,7	0,7	0,5
Jul	2,6	-15,3	7,2	-6,1	7,0	5,8	
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	<b>-0,4</b>	<b>-13,8</b>	<b>4,6</b>	<b>2,8</b>	<b>2,3</b>	<b>1,2</b>	

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	103,5	106,5	109,0
Feb	114,6	95,3	96,6	102,6	106,8	104,4	106,2
Mar	109,4	94,3	100,6	106,4	104,0	103,0	104,2
Apr	121,1	92,9	100,7	101,0	103,0	110,2	108,1
May	114,1	93,4	100,1	100,9	106,2	108,5	104,4
Jun	114,1	93,3	101,9	103,4	104,2	105,2	105,9
Jul	113,3	96,1	102,9	97,0	103,8	110,3	
Aug	112,1	93,3	98,4	104,1	106,4	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	100,5	103,8	107,6	107,7	
Dec	97,0	100,8	101,2	103,9	105,2	108,2	



**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		
			June 2013	1/ May 2014	1/ June 2014	June 2013	May 2014	June 2014
<b>Food and beverages</b>	<b>23,8</b>	<b>108,0</b>	<b>102,9</b>	<b>105,1</b>	<b>106,2</b>	<b>106,1</b>	<b>105,4</b>	<b>109,9</b>
-Meat, fish, fruit, etc.	5,2	109,5	104,2	113,0	114,9	104,9	112,3	116,0
-Dairy products	2,3	106,0	96,8	98,6	93,2	106,6	105,0	102,6
-Grain mill products	2,8	107,5	104,7	106,3	109,7	104,2	106,4	109,6
-Other food products	7,1	105,0	107,8	104,6	110,8	101,0	93,7	104,8
-Beverages	6,4	111,0	97,7	101,2	97,3	113,5	112,5	113,4
<b>Textiles, clothing, leather and footwear</b>	<b>2,9</b>	<b>95,2</b>	<b>96,4</b>	<b>93,7</b>	<b>88,3</b>	<b>97,4</b>	<b>92,2</b>	<b>89,1</b>
-Textiles	0,8	82,8	87,6	83,6	81,9	84,3	79,5	78,7
-Other textile products	0,4	95,1	94,9	100,8	93,8	95,8	96,9	94,7
-Knitted, crocheted articles	0,1	65,9	68,3	69,2	56,8	68,2	59,6	57,0
-Wearing apparel	1,0	100,9	100,1	94,7	91,7	103,2	96,5	94,9
-Leather and leather products	0,2	120,3	128,9	117,8	132,1	123,0	116,8	126,0
-Footwear	0,4	101,5	97,9	98,6	75,3	105,5	98,4	81,4
<b>Wood and wood products, paper, publishing and printing</b>	<b>9,5</b>	<b>103,6</b>	<b>98,7</b>	<b>100,9</b>	<b>102,2</b>	<b>101,1</b>	<b>104,4</b>	<b>104,8</b>
-Sawmilling and planing of wood	0,8	108,4	109,5	111,2	120,8	107,7	111,6	118,3
-Products of wood	1,8	98,7	97,3	98,8	101,0	97,7	98,4	101,6
-Paper and paper products	3,3	100,0	104,6	104,2	109,4	100,8	107,2	105,5
-Publishing	1,4	116,5	103,6	98,1	104,4	112,1	110,9	113,4
-Printing, recorded media	2,2	102,6	83,7	95,7	84,0	94,5	97,9	95,6
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,5</b>	<b>108,6</b>	<b>104,0</b>	<b>108,0</b>	<b>108,1</b>	<b>102,8</b>	<b>108,1</b>	<b>106,9</b>
-Coke, petroleum products and nuclear fuel	6,3	101,9	90,6	111,5	107,2	88,3	109,6	105,1
-Basic chemicals	4,8	108,7	112,2	109,5	106,6	113,9	110,2	108,7
-Other chemical products	7,1	114,5	107,8	107,0	112,4	105,3	109,7	109,6
-Rubber products	1,2	113,0	126,4	107,8	100,6	122,1	99,4	96,8
-Plastic products	3,1	107,4	101,4	100,9	105,1	101,9	101,7	105,5
<b>Glass and non-metallic mineral products</b>	<b>4,4</b>	<b>105,5</b>	<b>111,1</b>	<b>102,9</b>	<b>99,6</b>	<b>106,7</b>	<b>98,3</b>	<b>95,5</b>
-Glass and glass products	0,9	105,3	109,7	77,6	78,4	114,4	85,7	82,1
-Non-metallic mineral products	3,5	105,6	111,5	109,3	105,0	104,8	101,5	98,8
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>20,4</b>	<b>105,3</b>	<b>107,2</b>	<b>106,0</b>	<b>106,2</b>	<b>106,8</b>	<b>103,0</b>	<b>106,1</b>
-Basic iron and steel products	4,7	94,8	102,8	106,6	95,0	102,6	95,2	95,3
-Non-ferrous metal products	3,5	108,4	105,6	112,8	103,6	112,0	111,0	110,2
-Structural metal products	2,2	88,8	85,7	83,5	87,1	84,1	84,1	85,8
-Other fabricated metal products	3,9	119,5	115,5	123,7	133,8	113,3	121,3	131,3
-General purpose machinery	2,4	100,4	107,5	83,5	86,7	105,4	81,8	84,8
-Special purpose machinery	3,0	114,4	118,8	104,6	120,0	116,0	108,5	117,3
-Household appliances	0,7	113,6	114,1	127,0	109,8	111,1	125,4	107,0
<b>Electrical machinery</b>	<b>2,4</b>	<b>104,8</b>	<b>109,6</b>	<b>101,8</b>	<b>114,6</b>	<b>104,4</b>	<b>99,2</b>	<b>108,8</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,4</b>	<b>127,1</b>	<b>121,2</b>	<b>140,4</b>	<b>137,3</b>	<b>123,6</b>	<b>149,8</b>	<b>141,0</b>
-Radio, television and communication apparatus	0,9	141,2	129,9	165,5	155,7	137,3	181,5	165,3
-Professional equipment	0,5	105,2	107,7	101,6	108,8	102,4	100,9	103,5
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>8,6</b>	<b>109,4</b>	<b>123,8</b>	<b>109,4</b>	<b>109,8</b>	<b>115,2</b>	<b>102,8</b>	<b>102,1</b>
-Motor vehicles	3,9	124,6	150,2	125,1	132,6	135,6	118,8	119,0
-Bodies for motor vehicles, trailers and semi-trailers	0,5	111,2	107,8	115,3	112,0	106,2	103,7	111,0
-Parts and accessories	3,0	94,8	96,9	96,5	89,3	94,7	87,5	87,4
-Other transport equipment	1,2	96,8	113,9	89,3	87,4	105,1	89,6	80,7
<b>Furniture and other manufacturing division</b>	<b>4,1</b>	<b>94,8</b>	<b>91,9</b>	<b>91,3</b>	<b>98,1</b>	<b>90,3</b>	<b>90,7</b>	<b>96,6</b>
-Furniture	1,1	110,6	105,7	118,6	119,0	105,9	117,3	119,4
-Other manufacturing groups	3,0	89,3	87,1	81,8	90,8	84,9	81,4	88,8
<b>Total</b>	<b>100,0</b>	<b>106,5</b>	<b>105,6</b>	<b>105,4</b>	<b>106,1</b>	<b>105,2</b>	<b>104,4</b>	<b>105,9</b>

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		
			June 2013	1/ June 2014	% change between June 2013 and June 2014	May 2014	June 2014	% change between May and June 2014
<b>Food and beverages</b>	<b>23,8</b>	<b>108,0</b>	<b>102,9</b>	<b>106,2</b>	<b>3,2</b>	<b>105,4</b>	<b>109,9</b>	<b>4,3</b>
-Meat, fish, fruit, etc.	5,2	109,5	104,2	114,9	10,3	112,3	116,0	3,3
-Dairy products	2,3	106,0	96,8	93,2	-3,7	105,0	102,6	-2,3
-Grain mill products	2,8	107,5	104,7	109,7	4,8	106,4	109,6	3,0
-Other food products	7,1	105,0	107,8	110,8	2,8	93,7	104,8	11,8
-Beverages	6,4	111,0	97,7	97,3	-0,4	112,5	113,4	0,8
<b>Textiles, clothing, leather and footwear</b>	<b>2,9</b>	<b>95,2</b>	<b>96,4</b>	<b>88,3</b>	<b>-8,4</b>	<b>92,2</b>	<b>89,1</b>	<b>-3,4</b>
-Textiles	0,8	82,8	87,6	81,9	-6,5	79,5	78,7	-1,0
-Other textile products	0,4	95,1	94,9	93,8	-1,2	96,9	94,7	-2,3
-Knitted, crocheted articles	0,1	65,9	68,3	56,8	-16,8	59,6	57,0	-4,4
-Wearing apparel	1,0	100,9	100,1	91,7	-8,4	96,5	94,9	-1,7
-Leather and leather products	0,2	120,3	128,9	132,1	2,5	116,8	126,0	7,9
-Footwear	0,4	101,5	97,9	75,3	-23,1	98,4	81,4	-17,3
<b>Wood and wood products, paper, publishing and printing</b>	<b>9,5</b>	<b>103,6</b>	<b>98,7</b>	<b>102,2</b>	<b>3,5</b>	<b>104,4</b>	<b>104,8</b>	<b>0,4</b>
-Sawmilling and planing of wood	0,8	108,4	109,5	120,8	10,3	111,6	118,3	6,0
-Products of wood	1,8	98,7	97,3	101,0	3,8	98,4	101,6	3,3
-Paper and paper products	3,3	100,0	104,6	109,4	4,6	107,2	105,5	-1,6
-Publishing	1,4	116,5	103,6	104,4	0,8	110,9	113,4	2,3
-Printing, recorded media	2,2	102,6	83,7	84,0	0,4	97,9	95,6	-2,3
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,5</b>	<b>108,6</b>	<b>104,0</b>	<b>108,1</b>	<b>3,9</b>	<b>108,1</b>	<b>106,9</b>	<b>-1,1</b>
-Coke, petroleum products and nuclear fuel	6,3	101,9	90,6	107,2	18,3	109,6	105,1	-4,1
-Basic chemicals	4,8	108,7	112,2	106,6	-5,0	110,2	108,7	-1,4
-Other chemical products	7,1	114,5	107,8	112,4	4,3	109,7	109,6	-0,1
-Rubber products	1,2	113,0	126,4	100,6	-20,4	99,4	96,8	-2,6
-Plastic products	3,1	107,4	101,4	105,1	3,6	101,7	105,5	3,7
<b>Glass and non-metallic mineral products</b>	<b>4,4</b>	<b>105,5</b>	<b>111,1</b>	<b>99,6</b>	<b>-10,4</b>	<b>98,3</b>	<b>95,5</b>	<b>-2,8</b>
-Glass and glass products	0,9	105,3	109,7	78,4	-28,5	85,7	82,1	-4,2
-Non-metallic mineral products	3,5	105,6	111,5	105,0	-5,8	101,5	98,8	-2,7
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>20,4</b>	<b>105,3</b>	<b>107,2</b>	<b>106,2</b>	<b>-0,9</b>	<b>103,0</b>	<b>106,1</b>	<b>3,0</b>
-Basic iron and steel products	4,7	94,8	102,8	95,0	-7,6	95,2	95,3	0,1
-Non-ferrous metal products	3,5	108,4	105,6	103,6	-1,9	111,0	110,2	-0,7
-Structural metal products	2,2	88,8	85,7	87,1	1,6	84,1	85,8	2,0
-Other fabricated metal products	3,9	119,5	115,5	133,8	15,8	121,3	131,3	8,2
-General purpose machinery	2,4	100,4	107,5	86,7	-19,3	81,8	84,8	3,7
-Special purpose machinery	3,0	114,4	118,8	120,0	1,0	108,5	117,3	8,1
-Household appliances	0,7	113,6	114,1	109,8	-3,8	125,4	107,0	-14,7
<b>Electrical machinery</b>	<b>2,4</b>	<b>104,8</b>	<b>109,6</b>	<b>114,6</b>	<b>4,6</b>	<b>99,2</b>	<b>108,8</b>	<b>9,7</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,4</b>	<b>127,1</b>	<b>121,2</b>	<b>137,3</b>	<b>13,3</b>	<b>149,8</b>	<b>141,0</b>	<b>-5,9</b>
-Radio, television and communication apparatus	0,9	141,2	129,9	155,7	19,9	181,5	165,3	-8,9
-Professional equipment	0,5	105,2	107,7	108,8	1,0	100,9	103,5	2,6
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>8,6</b>	<b>109,4</b>	<b>123,8</b>	<b>109,8</b>	<b>-11,3</b>	<b>102,8</b>	<b>102,1</b>	<b>-0,7</b>
-Motor vehicles	3,9	124,6	150,2	132,6	-11,7	118,8	119,0	0,2
-Bodies for motor vehicles, trailers and semi-trailers	0,5	111,2	107,8	112,0	3,9	103,7	111,0	7,0
-Parts and accessories	3,0	94,8	96,9	89,3	-7,8	87,5	87,4	-0,1
-Other transport equipment	1,2	96,8	113,9	87,4	-23,3	89,6	80,7	-9,9
<b>Furniture and other manufacturing division</b>	<b>4,1</b>	<b>94,8</b>	<b>91,9</b>	<b>98,1</b>	<b>6,7</b>	<b>90,7</b>	<b>96,6</b>	<b>6,5</b>
-Furniture	1,1	110,6	105,7	119,0	12,6	117,3	119,4	1,8
-Other manufacturing groups	3,0	89,3	87,1	90,8	4,2	81,4	88,8	9,1
<b>Total</b>	<b>100,0</b>	<b>106,5</b>	<b>105,6</b>	<b>106,1</b>	<b>0,5</b>	<b>104,4</b>	<b>105,9</b>	<b>1,4</b>

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	93 280 502	87 916 275	88 548 858	94 246 456	105 443 384	114 667 597	128 289 950
Feb	110 769 560	99 565 792	100 040 055	109 522 908	123 677 978	129 430 936	143 961 067
Mar	117 621 056	107 737 720	113 278 092	123 964 153	130 984 336	135 367 021	148 959 123
Apr	119 609 521	92 230 272	99 980 962	106 169 292	115 493 885	131 245 797	1/ 141 469 152
May	122 938 629	98 715 959	107 436 033	115 621 248	128 068 083	138 886 360	1/ 145 945 837
Jun	127 601 209	100 377 623	111 752 400	120 091 539	128 588 051	136 903 333	1/ 153 708 840
Jul	131 369 593	102 048 423	110 963 260	110 987 187	125 462 845	143 961 443	
Aug	129 126 848	103 007 029	108 663 903	122 688 235	132 094 313	141 465 771	
Sep	128 633 004	107 188 812	111 184 472	130 818 755	129 532 600	137 779 801	
Oct	135 163 841	112 486 658	119 561 318	131 429 847	141 820 125	153 497 418	
Nov	125 995 637	114 583 579	124 219 561	136 700 911	150 484 487	159 357 328	
Dec	98 974 837	97 356 722	102 518 765	115 525 999	121 426 485	138 000 892	
Year	<b>1 441 084 237</b>	<b>1 223 214 864</b>	<b>1 298 147 679</b>	<b>1 417 766 530</b>	<b>1 533 076 572</b>	<b>1 660 563 697</b>	

1/ Preliminary.

**Table 6 – Annual percentage change in the total estimated value of sales of the manufacturing industry: 2008 – 2014** 2/

Month	2008	2009	2010	2011	2012	2013	2014
Jan	12,0	-5,8	0,7	6,4	11,9	8,7	11,9
Feb	16,1	-10,1	0,5	9,5	12,9	4,7	11,2
Mar	14,5	-8,4	5,1	9,4	5,7	3,3	10,0
Apr	28,8	-22,9	8,4	6,2	8,8	13,6	7,8
May	18,0	-19,7	8,8	7,6	10,8	8,4	5,1
Jun	26,1	-21,3	11,3	7,5	7,1	6,5	12,3
Jul	29,0	-22,3	8,7	0,0	13,0	14,7	
Aug	19,9	-20,2	5,5	12,9	7,7	7,1	
Sep	24,9	-16,7	3,7	17,7	-1,0	6,4	
Oct	16,2	-16,8	6,3	9,9	7,9	8,2	
Nov	5,9	-9,1	8,4	10,0	10,1	5,9	
Dec	4,7	-1,6	5,3	12,7	5,1	13,6	
Year	<b>17,9</b>	<b>-15,1</b>	<b>6,1</b>	<b>9,2</b>	<b>8,1</b>	<b>8,3</b>	

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	111 033 454	105 211 860	105 616 911	111 864 086	123 602 078	133 935 301	149 465 522
Feb	116 286 071	104 202 329	104 168 601	113 664 368	128 079 901	133 399 769	148 223 662
Mar	113 818 460	103 725 282	108 625 579	119 218 999	126 408 747	131 130 511	144 541 983
Apr	128 140 908	99 036 967	107 321 288	113 491 507	122 946 357	139 307 295	149 830 445
May	122 356 693	99 090 013	107 673 834	115 706 902	128 280 029	139 190 584	146 394 046
Jun	124 619 090	98 551 116	109 667 102	117 868 629	126 254 735	134 558 196	151 250 622
Jul	128 329 738	100 539 745	109 604 347	109 924 576	124 705 218	143 284 945	
Aug	124 950 385	100 314 735	106 397 297	120 332 402	129 778 797	138 926 191	
Sep	122 233 317	102 156 618	106 238 794	125 687 322	125 179 282	133 536 738	
Oct	122 867 372	102 509 713	109 350 534	120 791 372	130 832 186	141 832 396	
Nov	113 304 175	102 828 066	111 021 427	122 050 944	134 547 879	142 469 793	
Dec	109 230 505	106 676 084	112 006 591	125 919 895	131 416 914	149 412 889	

**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		
		June 2013	1/ May 2014	1/ June 2014	June 2013	May 2014	June 2014
<b>Food and beverages</b>	<b>350 792 551</b>	<b>27 234 604</b>	<b>30 228 461</b>	<b>30 544 968</b>	<b>28 614 966</b>	<b>31 520 759</b>	<b>32 213 090</b>
-Meat, fish, fruit, etc.	88 138 403	7 025 203	8 146 901	8 361 420	7 161 520	8 155 628	8 542 144
-Dairy products	30 206 448	2 267 915	2 629 786	2 549 693	2 463 179	2 694 599	2 769 838
-Grain mill products	60 530 218	4 928 296	5 468 414	5 540 444	4 918 234	5 517 024	5 560 908
-Other food products	75 018 987	5 979 418	6 471 095	6 519 233	5 978 981	6 509 071	6 574 271
-Beverages	96 898 495	7 033 772	7 512 265	7 574 178	8 093 051	8 644 436	8 765 928
<b>Textiles, clothing, leather and footwear</b>	<b>43 395 079</b>	<b>3 565 465</b>	<b>3 884 609</b>	<b>3 699 777</b>	<b>3 609 622</b>	<b>3 770 272</b>	<b>3 749 713</b>
-Textiles	5 746 856	468 307	567 017	537 909	468 884	531 640	543 455
-Other textile products	10 528 612	883 276	983 593	937 334	882 402	940 511	937 237
-Knitted, crocheted articles	1 750 286	148 109	164 554	131 134	146 698	138 020	130 778
-Wearing apparel	15 200 804	1 236 268	1 308 583	1 223 982	1 281 177	1 303 488	1 271 819
-Leather and leather products	6 350 030	531 733	567 352	624 263	515 613	554 439	607 109
-Footwear	3 818 491	297 772	293 510	245 156	314 848	302 174	259 314
<b>Wood and wood products, paper, publishing and printing</b>	<b>123 669 024</b>	<b>9 882 593</b>	<b>10 491 399</b>	<b>11 139 615</b>	<b>9 837 329</b>	<b>10 912 748</b>	<b>11 233 443</b>
-Sawmilling and planing of wood	9 116 235	762 019	737 592	872 765	751 699	753 061	858 212
-Products of wood	16 089 689	1 328 829	1 360 965	1 494 007	1 317 218	1 370 625	1 480 522
-Paper and paper products	56 669 102	4 868 217	5 088 365	5 572 966	4 587 097	5 175 669	5 266 425
-Publishing	19 276 283	1 392 435	1 430 901	1 522 274	1 476 126	1 610 160	1 615 108
-Printing, recorded media	22 517 715	1 531 093	1 873 576	1 677 603	1 705 188	2 003 233	2 013 176
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>420 195 429</b>	<b>35 185 244</b>	<b>36 547 335</b>	<b>37 322 940</b>	<b>34 028 960</b>	<b>36 000 826</b>	<b>36 226 931</b>
-Coke, petroleum products and nuclear fuel	180 117 559	15 637 019	15 972 429	16 167 722	14 780 521	15 301 991	15 417 645
-Basic chemicals	85 217 409	7 297 135	7 616 174	7 503 001	7 175 392	7 573 052	7 406 078
-Other chemical products	89 191 428	6 951 408	7 332 309	7 809 002	6 819 071	7 533 397	7 619 178
-Rubber products	15 681 997	1 418 917	1 344 697	1 395 677	1 375 766	1 320 728	1 347 259
-Plastic products	49 987 036	3 880 765	4 281 726	4 447 538	3 878 209	4 271 657	4 436 770
<b>Glass and non-metallic mineral products</b>	<b>51 552 109</b>	<b>4 485 072</b>	<b>4 388 556</b>	<b>4 575 327</b>	<b>4 326 651</b>	<b>4 380 922</b>	<b>4 406 310</b>
-Glass and glass products	8 991 034	798 718	595 053	699 900	796 910	679 943	695 868
-Non-metallic mineral products	42 561 075	3 686 354	3 793 503	3 875 427	3 529 741	3 700 979	3 710 442
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>358 886 085</b>	<b>29 742 756</b>	<b>33 111 845</b>	<b>35 526 890</b>	<b>28 549 658</b>	<b>32 404 170</b>	<b>34 060 921</b>
-Basic iron and steel products	103 491 851	8 645 360	10 293 138	11 309 659	7 845 450	9 615 124	10 318 104
-Non-ferrous metal products	72 703 638	6 316 698	7 102 989	7 384 650	6 152 432	7 128 217	7 146 607
-Structural metal products	31 067 330	2 488 360	2 499 440	2 709 798	2 438 797	2 559 258	2 661 552
-Other fabricated metal products	61 647 526	4 851 642	5 674 122	5 968 435	4 684 703	5 518 490	5 759 584
-General purpose machinery	32 921 383	2 850 642	2 524 459	2 764 836	2 752 053	2 445 716	2 673 387
-Special purpose machinery	45 845 173	3 678 397	3 859 371	4 282 548	3 772 146	4 020 792	4 403 336
-Household appliances	11 209 184	911 657	1 158 326	1 106 963	904 077	1 116 573	1 098 351
<b>Electrical machinery</b>	<b>46 753 406</b>	<b>4 117 118</b>	<b>3 814 838</b>	<b>4 562 329</b>	<b>3 865 286</b>	<b>3 783 264</b>	<b>4 272 080</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>18 881 967</b>	<b>1 519 391</b>	<b>1 792 938</b>	<b>1 741 000</b>	<b>1 532 855</b>	<b>1 887 927</b>	<b>1 768 873</b>
-Radio, television and communication apparatus	9 539 664	722 380	971 887	900 509	772 419	1 069 833	964 525
-Professional equipment	9 342 303	797 011	821 051	840 491	760 436	818 095	804 347
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>192 473 218</b>	<b>16 507 615</b>	<b>16 984 090</b>	<b>19 818 571</b>	<b>15 637 668</b>	<b>17 127 072</b>	<b>18 648 383</b>
-Motor vehicles	105 830 876	8 912 361	9 070 591	11 901 306	8 287 794	9 424 445	10 946 049
-Bodies for motor vehicles, trailers and semi-trailers	7 822 319	636 992	717 929	694 526	634 839	685 447	699 309
-Parts and accessories	59 922 039	5 101 519	5 626 833	5 682 127	5 010 059	5 455 712	5 584 860
-Other transport equipment	18 897 984	1 856 743	1 568 737	1 540 612	1 704 976	1 561 467	1 418 165
<b>Furniture and other manufacturing division</b>	<b>53 964 829</b>	<b>4 663 475</b>	<b>4 701 766</b>	<b>4 777 424</b>	<b>4 555 202</b>	<b>4 606 086</b>	<b>4 670 879</b>
-Furniture	13 442 912	1 069 750	1 261 953	1 293 623	1 068 888	1 252 870	1 292 155
-Other manufacturing groups	40 521 917	3 593 725	3 439 813	3 483 801	3 486 314	3 353 216	3 378 724
<b>Total</b>	<b>1 660 563 697</b>	<b>136 903 333</b>	<b>145 945 837</b>	<b>153 708 840</b>	<b>134 558 196</b>	<b>146 394 046</b>	<b>151 250 622</b>

1/ Preliminary.

**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		
		June 2013	1/ June 2014	% change between June 2013 and June 2014	May 2014	June 2014	% change between May and June 2014
<b>Food and beverages</b>	<b>350 792 551</b>	<b>27 234 604</b>	<b>30 544 968</b>	<b>12,2</b>	<b>31 520 759</b>	<b>32 213 090</b>	<b>2,2</b>
-Meat, fish, fruit, etc.	88 138 403	7 025 203	8 361 420	19,0	8 155 628	8 542 144	4,7
-Dairy products	30 206 448	2 267 915	2 549 693	12,4	2 694 599	2 769 838	2,8
-Grain mill products	60 530 218	4 928 296	5 540 444	12,4	5 517 024	5 560 908	0,8
-Other food products	75 018 987	5 979 418	6 519 233	9,0	6 509 071	6 574 271	1,0
-Beverages	96 898 495	7 033 772	7 574 178	7,7	8 644 436	8 765 928	1,4
<b>Textiles, clothing, leather and footwear</b>	<b>43 395 079</b>	<b>3 565 465</b>	<b>3 699 777</b>	<b>3,8</b>	<b>3 770 272</b>	<b>3 749 713</b>	<b>-0,5</b>
-Textiles	5 746 856	468 307	537 909	14,9	531 640	543 455	2,2
-Other textile products	10 528 612	883 276	937 334	6,1	940 511	937 237	-0,3
-Knitted, crocheted articles	1 750 286	148 109	131 134	-11,5	138 020	130 778	-5,2
-Wearing apparel	15 200 804	1 236 268	1 223 982	-1,0	1 303 488	1 271 819	-2,4
-Leather and leather products	6 350 030	531 733	624 263	17,4	554 439	607 109	9,5
-Footwear	3 818 491	297 772	245 156	-17,7	302 174	259 314	-14,2
<b>Wood and wood products, paper, publishing and printing</b>	<b>123 669 024</b>	<b>9 882 593</b>	<b>11 139 615</b>	<b>12,7</b>	<b>10 912 748</b>	<b>11 233 443</b>	<b>2,9</b>
-Sawmilling and planing of wood	9 116 235	762 019	872 765	14,5	753 061	858 212	14,0
-Products of wood	16 089 689	1 328 829	1 494 007	12,4	1 370 625	1 480 522	8,0
-Paper and paper products	56 669 102	4 868 217	5 572 966	14,5	5 175 669	5 266 425	1,8
-Publishing	19 276 283	1 392 435	1 522 274	9,3	1 610 160	1 615 108	0,3
-Printing, recorded media	22 517 715	1 531 093	1 677 603	9,6	2 003 233	2 013 176	0,5
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>420 195 429</b>	<b>35 185 244</b>	<b>37 322 940</b>	<b>6,1</b>	<b>36 000 826</b>	<b>36 226 931</b>	<b>0,6</b>
-Coke, petroleum products and nuclear fuel	180 117 559	15 637 019	16 167 722	3,4	15 301 991	15 417 645	0,8
-Basic chemicals	85 217 409	7 297 135	7 503 001	2,8	7 573 052	7 406 078	-2,2
-Other chemical products	89 191 428	6 951 408	7 809 002	12,3	7 533 397	7 619 178	1,1
-Rubber products	15 681 997	1 418 917	1 395 677	-1,6	1 320 728	1 347 259	2,0
-Plastic products	49 987 036	3 880 765	4 447 538	14,6	4 271 657	4 436 770	3,9
<b>Glass and non-metallic mineral products</b>	<b>51 552 109</b>	<b>4 485 072</b>	<b>4 575 327</b>	<b>2,0</b>	<b>4 380 922</b>	<b>4 406 310</b>	<b>0,6</b>
-Glass and glass products	8 991 034	798 718	699 900	-12,4	679 943	695 868	2,3
-Non-metallic mineral products	42 561 075	3 686 354	3 875 427	5,1	3 700 979	3 710 442	0,3
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>358 886 085</b>	<b>29 742 756</b>	<b>35 526 890</b>	<b>19,4</b>	<b>32 404 170</b>	<b>34 060 921</b>	<b>5,1</b>
-Basic iron and steel products	103 491 851	8 645 360	11 309 659	30,8	9 615 124	10 318 104	7,3
-Non-ferrous metal products	72 703 638	6 316 698	7 384 650	16,9	7 128 217	7 146 607	0,3
-Structural metal products	31 067 330	2 488 360	2 709 798	8,9	2 559 258	2 661 552	4,0
-Other fabricated metal products	61 647 526	4 851 642	5 968 435	23,0	5 518 490	5 759 584	4,4
-General purpose machinery	32 921 383	2 850 642	2 764 836	-3,0	2 445 716	2 673 387	9,3
-Special purpose machinery	45 845 173	3 678 397	4 282 548	16,4	4 020 792	4 403 336	9,5
-Household appliances	11 209 184	911 657	1 106 963	21,4	1 116 573	1 098 351	-1,6
<b>Electrical machinery</b>	<b>46 753 406</b>	<b>4 117 118</b>	<b>4 562 329</b>	<b>10,8</b>	<b>3 783 264</b>	<b>4 272 080</b>	<b>12,9</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>18 881 967</b>	<b>1 519 391</b>	<b>1 741 000</b>	<b>14,6</b>	<b>1 887 927</b>	<b>1 768 873</b>	<b>-6,3</b>
-Radio, television and communication apparatus	9 539 664	722 380	900 509	24,7	1 069 833	964 525	-9,8
-Professional equipment	9 342 303	797 011	840 491	5,5	818 095	804 347	-1,7
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>192 473 218</b>	<b>16 507 615</b>	<b>19 818 571</b>	<b>20,1</b>	<b>17 127 072</b>	<b>18 648 383</b>	<b>8,9</b>
-Motor vehicles	105 830 876	8 912 361	11 901 306	33,5	9 424 445	10 946 049	16,1
-Bodies for motor vehicles, trailers and semi-trailers	7 822 319	636 992	694 526	9,0	685 447	699 309	2,0
-Parts and accessories	59 922 039	5 101 519	5 682 127	11,4	5 455 712	5 584 860	2,4
-Other transport equipment	18 897 984	1 856 743	1 540 612	-17,0	1 561 467	1 418 165	-9,2
<b>Furniture and other manufacturing division</b>	<b>53 964 829</b>	<b>4 663 475</b>	<b>4 777 424</b>	<b>2,4</b>	<b>4 606 086</b>	<b>4 670 879</b>	<b>1,4</b>
-Furniture	13 442 912	1 069 750	1 293 623	20,9	1 252 870	1 292 155	3,1
-Other manufacturing groups	40 521 917	3 593 725	3 483 801	-3,1	3 353 216	3 378 724	0,8
<b>Total</b>	<b>1 660 563 697</b>	<b>136 903 333</b>	<b>153 708 840</b>	<b>12,3</b>	<b>146 394 046</b>	<b>151 250 622</b>	<b>3,3</b>

1/ Preliminary.



**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)		
		Apr. to Jun. 2013	Apr. to Jun. 2014	% change between Apr. to Jun. 2013 and Apr. to Jun. 2014	Apr. to Jun. 2013	Apr. to Jun. 2014	% change between Apr. to Jun. 2013 and Apr. to Jun. 2014
<b>Food and beverages</b>	<b>23,8</b>	<b>104,2</b>	<b>104,9</b>	<b>0,7</b>	<b>82 184 915</b>	<b>90 747 035</b>	<b>10,4</b>
-Meat, fish, fruit, etc.	5,2	108,1	112,7	4,3	21 300 710	24 240 839	13,8
-Dairy products	2,3	100,6	97,3	-3,3	7 231 808	7 825 696	8,2
-Grain mill products	2,8	106,9	105,7	-1,1	14 959 830	16 317 016	9,1
-Other food products	7,1	109,7	107,9	-1,6	18 430 374	19 852 118	7,7
-Beverages	6,4	94,9	97,7	3,0	20 262 193	22 511 366	11,1
<b>Textiles, clothing, leather and footwear</b>	<b>2,9</b>	<b>97,2</b>	<b>91,8</b>	<b>-5,6</b>	<b>10 983 500</b>	<b>11 413 217</b>	<b>3,9</b>
-Textiles	0,8	86,5	82,2	-5,0	1 480 770	1 623 853	9,7
-Other textile products	0,4	100,1	95,0	-5,1	2 737 570	2 852 559	4,2
-Knitted, crocheted articles	0,1	72,0	64,3	-10,7	496 207	444 929	-10,3
-Wearing apparel	1,0	102,6	94,8	-7,6	3 813 485	3 849 088	0,9
-Leather and leather products	0,2	116,9	126,2	8,0	1 544 738	1 791 986	16,0
-Footwear	0,4	99,3	91,4	-8,0	910 730	850 803	-6,6
<b>Wood and wood products, paper, publishing and printing</b>	<b>9,5</b>	<b>96,0</b>	<b>99,1</b>	<b>3,2</b>	<b>28 500 820</b>	<b>31 204 279</b>	<b>9,5</b>
-Sawmilling and planing of wood	0,8	106,0	113,6	7,2	2 145 711	2 324 838	8,3
-Products of wood	1,8	97,0	98,9	2,0	3 912 807	4 270 439	9,1
-Paper and paper products	3,3	97,5	102,8	5,4	13 629 571	15 157 839	11,2
-Publishing	1,4	98,9	99,4	0,5	4 039 647	4 329 448	7,2
-Printing, recorded media	2,2	87,1	88,3	1,4	4 773 084	5 121 715	7,3
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,5</b>	<b>105,1</b>	<b>105,5</b>	<b>0,4</b>	<b>103 417 903</b>	<b>109 977 024</b>	<b>6,3</b>
-Coke, petroleum products and nuclear fuel	6,3	94,5	106,4	12,6	44 810 853	48 735 195	8,8
-Basic chemicals	4,8	107,5	107,4	-0,1	21 265 913	22 309 821	4,9
-Other chemical products	7,1	109,9	106,5	-3,1	21 213 705	22 172 001	4,5
-Rubber products	1,2	126,4	98,7	-21,9	4 208 210	3 928 946	-6,6
-Plastic products	3,1	103,9	101,2	-2,6	11 919 222	12 831 061	7,7
<b>Glass and non-metallic mineral products</b>	<b>4,4</b>	<b>108,6</b>	<b>99,3</b>	<b>-8,6</b>	<b>12 980 730</b>	<b>13 251 935</b>	<b>2,1</b>
-Glass and glass products	0,9	103,0	76,5	-25,7	2 137 871	1 897 061	-11,3
-Non-metallic mineral products	3,5	110,1	105,0	-4,6	10 842 859	11 354 874	4,7
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>20,4</b>	<b>108,1</b>	<b>104,7</b>	<b>-3,1</b>	<b>89 731 342</b>	<b>99 857 258</b>	<b>11,3</b>
-Basic iron and steel products	4,7	105,4	99,9	-5,2	26 448 472	31 619 763	19,6
-Non-ferrous metal products	3,5	109,5	107,7	-1,6	18 366 533	20 712 288	12,8
-Structural metal products	2,2	84,5	83,8	-0,8	7 365 549	7 627 589	3,6
-Other fabricated metal products	3,9	115,5	125,3	8,5	15 257 898	16 882 229	10,6
-General purpose machinery	2,4	106,5	85,1	-20,1	8 481 565	7 780 489	-8,3
-Special purpose machinery	3,0	117,7	109,7	-6,8	11 018 046	11 991 434	8,8
-Household appliances	0,7	115,5	121,1	4,8	2 793 279	3 243 465	16,1
<b>Electrical machinery</b>	<b>2,4</b>	<b>106,7</b>	<b>105,0</b>	<b>-1,6</b>	<b>11 550 214</b>	<b>12 047 440</b>	<b>4,3</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,4</b>	<b>118,1</b>	<b>135,3</b>	<b>14,6</b>	<b>4 376 967</b>	<b>5 111 950</b>	<b>16,8</b>
-Radio, television and communication apparatus	0,9	126,4	156,2	23,6	2 080 360	2 698 561	29,7
-Professional equipment	0,5	105,3	103,0	-2,2	2 296 607	2 413 389	5,1
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>8,6</b>	<b>123,9</b>	<b>106,7</b>	<b>-13,9</b>	<b>49 800 965</b>	<b>53 345 994</b>	<b>7,1</b>
-Motor vehicles	3,9	148,2	124,4	-16,1	27 308 101	29 986 200	9,8
-Bodies for motor vehicles, trailers and semi-trailers	0,5	116,9	109,6	-6,2	2 014 144	2 052 974	1,9
-Parts and accessories	3,0	104,0	91,7	-11,8	15 662 792	16 724 398	6,8
-Other transport equipment	1,2	99,0	86,9	-12,2	4 815 928	4 582 422	-4,8
<b>Furniture and other manufacturing division</b>	<b>4,1</b>	<b>89,3</b>	<b>90,1</b>	<b>0,9</b>	<b>13 508 134</b>	<b>14 167 698</b>	<b>4,9</b>
-Furniture	1,1	104,9	115,5	10,1	3 177 613	3 705 597	16,6
-Other manufacturing groups	3,0	83,9	81,2	-3,2	10 330 521	10 462 101	1,3
<b>Total</b>	<b>100,0</b>	<b>105,7</b>	<b>103,9</b>	<b>-1,7</b>	<b>407 035 490</b>	<b>441 123 830</b>	<b>8,4</b>

## 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 June 2014 was 89,8%. Improved collection rate for May 2014 was 92,6%.
- 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 2013 from a population then of 47 605 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   |
- Changes in the next publication**                    **25** The results published in the next publication (July 2014) will be based on a new sample drawn in April 2014. The periodic introduction of a new sample is part of Stats SA's strategic approach in improving the basis from which surveys are conducted.

**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	0	15 000 000
Small	15 000 001	39 000 000
Medium	39 000 001	153 000 000
Large	153 000 001	

The results published in the next publication (July 2013) will be based on a new sample drawn in April 2013. The periodic introduction of a new sample is part of Stats SA's strategic approach in improving the basis from which surveys are conducted.

## Glossary

<b>Enterprise</b>	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.
<b>Index of physical volume of manufacturing production</b>	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.
<b>Industry</b>	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).
<b>Intermediate consumption</b>	Intermediate consumption includes: <ul style="list-style-type: none"><li>• purchases and transfers-in of materials;</li><li>• payments to other establishments for work done;</li><li>• other direct factory costs;</li><li>• rent and leasing paid;</li><li>• head office charges;</li><li>• royalties, copyright, trade names and patent rights paid;</li><li>• advertising;</li><li>• insurance premiums;</li><li>• services; and</li><li>• secretarial and administrative fees.</li></ul>
<b>Output</b>	Output is the aggregate value of goods manufactured and work done and includes: <ul style="list-style-type: none"><li>• sales and transfers-out of own manufactures, factory waste and stocks of factored goods;</li><li>• repairs;</li><li>• installation, erection and assembly;</li><li>• sundry trading revenue;</li><li>• sales of factored goods minus purchases of factored goods;</li><li>• rent and leasing received;</li><li>• royalties received;</li><li>• difference between opening value and closing value of work in progress, stocks of own manufactures and stocks of factored goods;</li><li>• head office charges; and</li><li>• other revenue.</li></ul> Output excludes excise and customs duty paid.
<b>Value added</b>	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.
<b>Sales</b>	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.
<b>Turnover</b>	Turnover refers to: <ul style="list-style-type: none"><li>• the value of sales and transfers out of all own manufactured products/articles;</li><li>• amounts received for work done; and</li><li>• amounts received for services rendered.</li></ul>

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 D – 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
<b>Food and beverages</b>	<b>15,4</b>	<b>22,1</b>	<b>23,8</b>
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
<b>Textiles, clothing, leather and footwear</b>	<b>4,9</b>	<b>3,5</b>	<b>2,9</b>
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
<b>Wood and wood products, paper, publishing and printing</b>	<b>10,2</b>	<b>9,3</b>	<b>9,5</b>
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
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,1</b>	<b>25,1</b>	<b>22,5</b>
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
<b>Glass and non-metallic mineral products</b>	<b>4,8</b>	<b>4,9</b>	<b>4,4</b>
Glass and glass products	1,0	0,8	0,9
Non-metallic mineral products	3,8	4,1	3,5
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>22,9</b>	<b>20,3</b>	<b>20,4</b>
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
<b>Electrical machinery</b>	<b>2,5</b>	<b>2,4</b>	<b>2,4</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,1</b>	<b>1,3</b>	<b>1,4</b>
Radio, television and communication apparatus	0,4	0,8	0,9
Professional equipment	0,7	0,5	0,5
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>10,9</b>	<b>7,9</b>	<b>8,6</b>
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
<b>Other manufacturing divisions</b>	<b>5,2</b>	<b>3,2</b>	<b>4,1</b>
Furniture	1,3	0,9	1,1
Other manufacturing groups	3,9	2,3	3,0
<b>Total</b>	<b>100,0</b>	<b>100,0</b>	<b>100,0</b>

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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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