



The South Africa I know, the home I understand



Statistical release

P3041.2

Manufacturing: Production and sales (Preliminary)

August 2014

**Embargoed until:
9 October 2014
13:00**

Enquiries:

User information services
Tel: (012) 310 8600

Forthcoming issue:

September 2014

Expected release date

11 November 2014

Contents

Key figures for August 2014	2
Table A – Manufacturing production and sales	2
Table B – Contribution of manufacturing divisions and major groups to the total three-monthly seasonally adjusted manufacturing production	3
Figure 1 – Index of the physical volume of manufacturing production: 2006 – 2014	4
Table C – Contribution of manufacturing divisions and major groups to the three-monthly total seasonally adjusted sales of the manufacturing industry at current prices	5
Figure 2 – Total estimated sales of the manufacturing industry at current prices: 2006 – 2014.....	6
Detailed results	7
Table 1 – Total index of the physical volume of manufacturing production: 2008 – 2014	7
Table 2 – Annual percentage change in the total index of the physical volume of manufacturing production: 2008 – 2014	7
Table 3 – Seasonally adjusted index of the total physical volume of manufacturing production: 2008 – 2014	7
Table 4a – Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups	8
Table 4b – Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups (concluded)	9
Table 5 – Total estimated sales of the manufacturing industry at current prices (R'000): 2008 – 2014	10
Table 6 – Annual percentage change in the total estimated value of sales of the manufacturing industry: 2008 – 2014	10
Table 7 – Total seasonally adjusted sales of the manufacturing industry at current prices (R'000): 2008 – 2014....	10
Table 8a – Estimated sales of the manufacturing industry at current prices according to manufacturing divisions and major groups (R'000)	11
Table 8b – Estimated sales of the manufacturing industry at current prices according to manufacturing divisions and major groups (R'000) (concluded)	12
Table 9 – Annual percentage change in the three-monthly physical volume of manufacturing production and estimated sales according to manufacturing divisions and major groups	13
Explanatory notes	14
Glossary	18
Table D – Weights according to manufacturing divisions and major groups	20
General information	21

Key figures for August 2014

Table A – Manufacturing production and sales

Estimates	August 2014	% change between August 2013 and August 2014	% change between June to August 2013 and June to August 2014	% change between January to August 2013 and January to August 2014
Physical volume of manufacturing production index (base: 2010=100)	108,3	-1,2	-3,1	-1,4
Total estimated sales of manufactured products (R million)	155 710	8,2	6,7	8,1

Seasonally adjusted estimates	August 2014	% change between July and August 2014	% change between March to May 2014 and June to August 2014
Physical volume of manufacturing production index (base: 2010=100)	104,0	2,2	-1,4
Total value of sales of manufactured products (R million)	152 968	4,3	1,4

Manufacturing production decreased by 1,2% in August 2014 compared with August 2013.

The 1,2% year-on-year decrease in manufacturing production in August 2014 was mainly due to lower production in the following divisions:

- wood and wood products, paper, publishing and printing (-11,3% and contributing -1,1 percentage points);
- petroleum, chemical products, rubber and plastic products (-3,9% and contributing -0,9 of a percentage point);
- glass and non-metallic mineral products (-13,4% and contributing -0,6 of a percentage point);
- basic iron and steel, non-ferrous metal products, metal products and machinery (-3,1% and contributing -0,6 of a percentage point); and
- food and beverages (-2,0% and contributing -0,5 of a percentage point).

The motor vehicles, parts and accessories and other transport equipment division was a significant positive contributor (31,7% and contributing 2,3 percentage points) (see Table 4b).

Seasonally adjusted manufacturing production decreased by 1,4% in the three months ended August 2014 compared with the previous three months. Eight of the ten manufacturing divisions reported negative growth rates over this period.

The largest negative contribution to the decrease of 1,4% was made by the basic iron and steel, non-ferrous metal products, metal products and machinery division (-5,0% and contributing -1,0 percentage point) (see Table B).

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

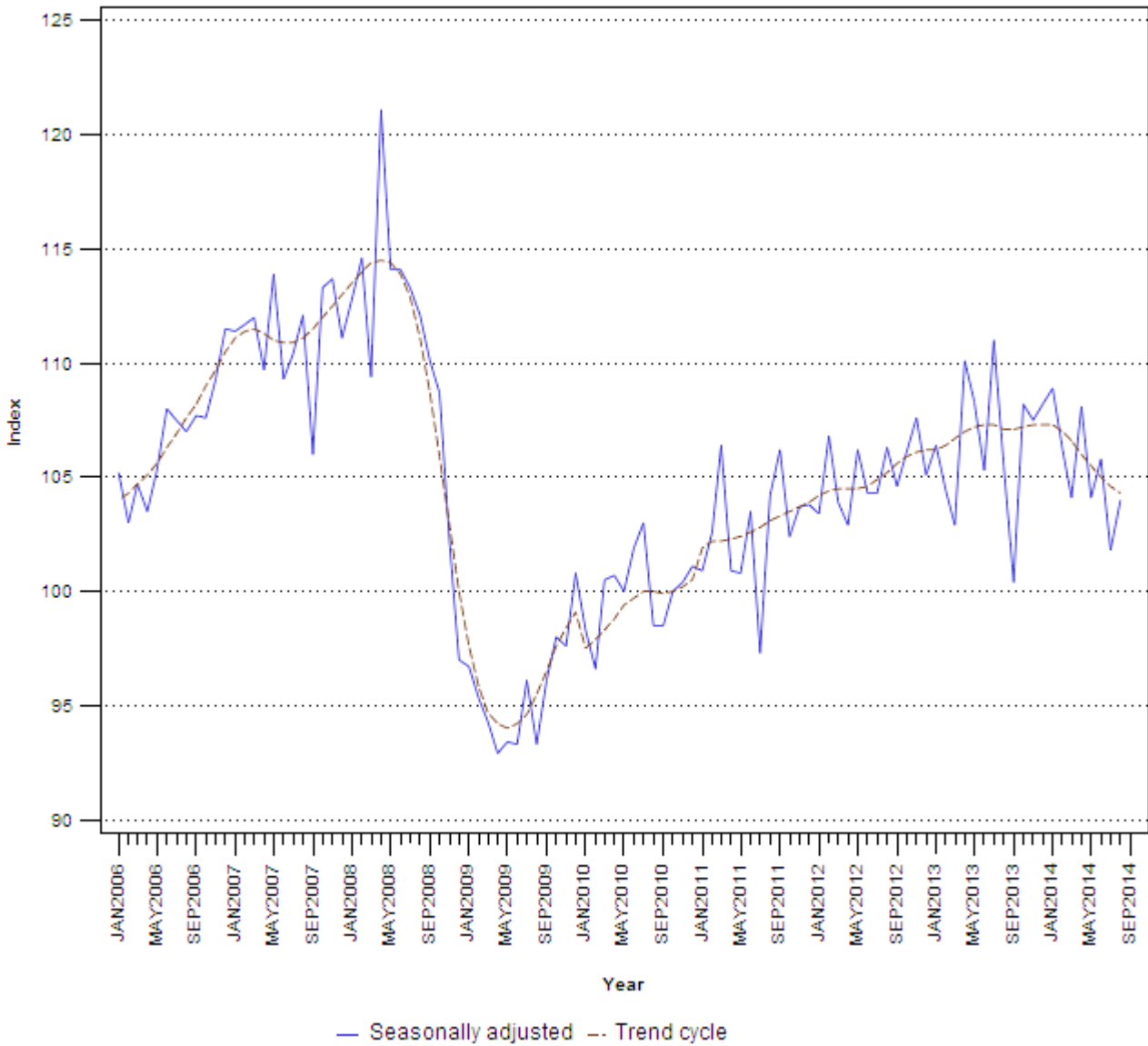
Base: 2010=100

Manufacturing divisions and major groups	Weights 2011	Average seasonally adjusted production index for March to May 2014	Average seasonally adjusted production index for June to August 2014	Quarterly % change of June to August 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	108,2	109,8	1,5	0,4
-Meat, fish, fruit, etc.	5,2	111,8	114,9	2,8	0,2
-Dairy products	2,3	105,1	104,6	-0,5	0,0
-Grain mill products	2,8	106,5	106,5	0,0	0,0
-Other food products	7,1	105,6	105,1	-0,5	0,0
-Beverages	6,4	110,0	114,3	3,9	0,3
Textiles, clothing, leather and footwear	2,9	94,0	92,6	-1,5	0,0
-Textiles	1,2	84,9	83,3	-1,9	0,0
-Wearing apparel	1,1	94,9	95,9	1,1	0,0
-Leather and leather products	0,2	127,8	115,4	-9,7	0,0
-Footwear	0,4	103,2	101,5	-1,6	0,0
Wood and wood products, paper, publishing and printing	9,5	104,8	102,3	-2,4	-0,2
-Wood and products of wood	2,6	104,8	103,1	-1,6	0,0
-Paper and paper products	3,3	106,4	100,0	-6,0	-0,2
-Publishing and printing	3,6	103,5	103,7	0,2	0,0
Petroleum, chemical products, rubber and plastic products	22,5	106,3	105,7	-0,6	-0,1
-Coke, petroleum products and nuclear fuel	6,3	101,4	96,7	-4,6	-0,3
-Basic chemicals	4,8	112,9	112,8	-0,1	0,0
-Other chemical products	7,1	108,9	110,8	1,7	0,1
-Rubber products	1,2	102,2	98,8	-3,3	0,0
-Plastic products	3,1	101,8	104,0	2,2	0,1
Glass and non-metallic mineral products	4,4	99,7	97,9	-1,8	-0,1
-Glass and glass products	0,9	86,9	82,3	-5,3	0,0
-Non-metallic mineral products	3,5	102,9	101,9	-1,0	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	20,4	104,1	98,9	-5,0	-1,0
-Basic iron and steel products	4,7	92,9	93,2	0,3	0,0
-Basic precious, non-ferrous metal products	3,5	109,8	101,0	-8,0	-0,3
-Fabricated metal products	6,1	109,3	100,3	-8,2	-0,5
-Machinery and equipment	6,1	104,4	100,7	-3,5	-0,2
Electrical machinery	2,4	103,0	98,1	-4,8	-0,1
Radio, television and communication apparatus and professional equipment	1,4	146,3	128,5	-12,2	-0,2
-Radio, television and communication apparatus	0,9	175,1	148,7	-15,1	-0,2
-Professional equipment	0,6	101,7	97,3	-4,3	0,0
Motor vehicles, parts and accessories and other transport equipment	8,6	105,3	102,4	-2,8	-0,2
-Motor vehicles	3,9	119,2	119,5	0,3	0,0
-Bodies for motor vehicles, trailers and semi-trailers	0,5	104,7	103,7	-1,0	0,0
-Parts and accessories	3,0	92,5	86,9	-6,1	-0,2
-Other transport equipment	1,2	93,1	86,2	-7,4	-0,1
Furniture and other manufacturing division	4,1	94,5	99,1	4,9	0,2
-Furniture	1,1	116,9	114,1	-2,4	0,0
-Other manufacturing groups	3,0	86,7	93,9	8,3	0,2
Total	100,0	105,4	103,9	-1,4	-1,4

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



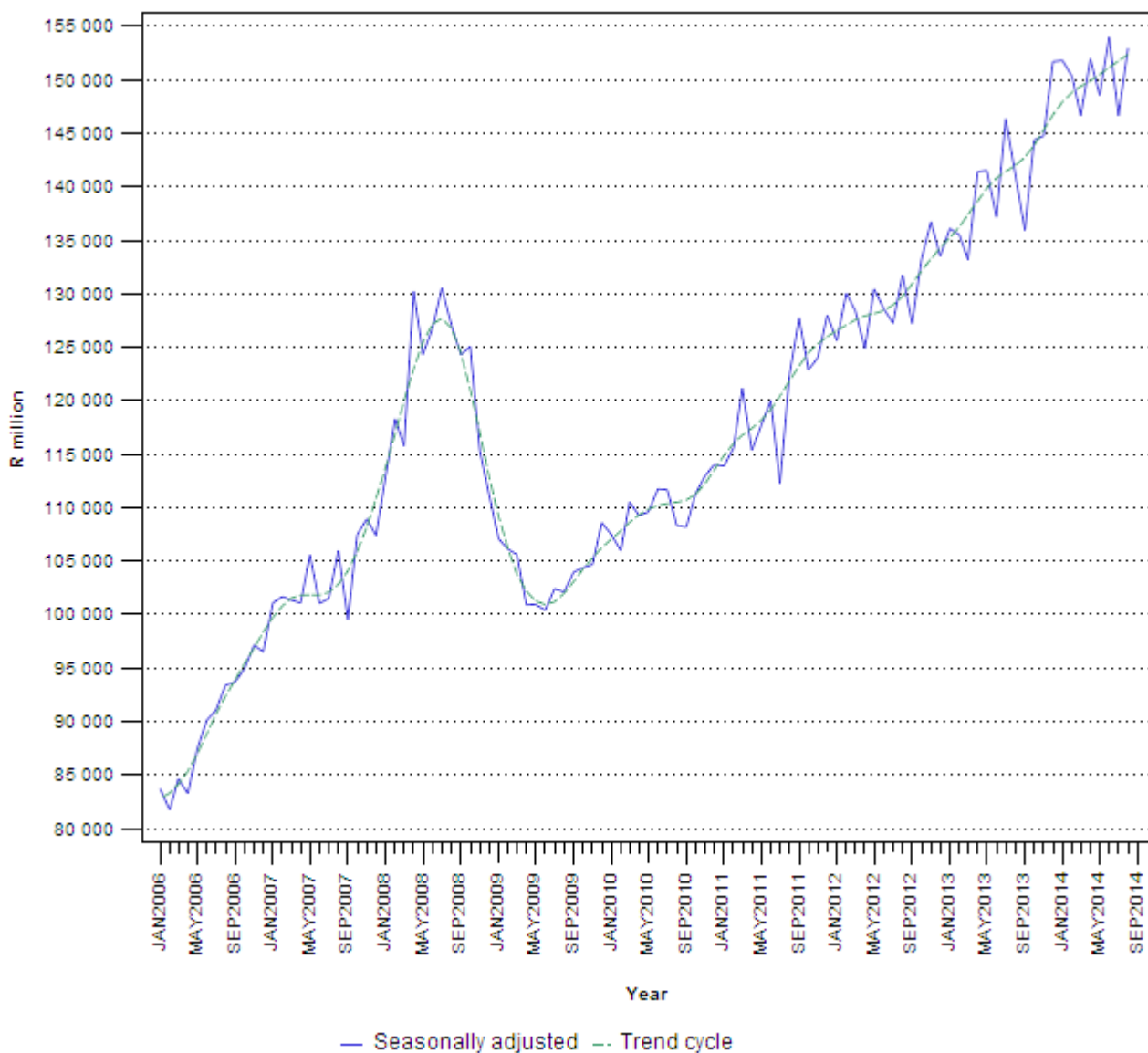
Seasonally adjusted sales of manufactured products (at current prices) increased by 1,4% (R6 437 million) in the three months ended August 2014 compared with the previous three months.

The manufacturing divisions that were mainly responsible for the increase in total manufacturing sales were motor vehicles, parts and accessories and other transport equipment (4,9% or R2 578 million), food and beverages (2,6% or R2 490 million) and petroleum, chemical products, rubber and plastic products (2,0% or R2 193 million) (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 March to May 2014	Seasonally adjusted sales June to August 2014	% change between March to May 2014 and June to August 2014	Difference in seasonally adjusted sales of manufacturing divisions between March to May 2014 and June to August 2014
	R'000	R'000	%	R'000
Food and beverages	96 103 573	98 593 307	2,6	2 489 734
-Food and food products	70 000 887	71 440 696	2,1	1 439 809
-Beverages	26 102 686	27 152 611	4,0	1 049 925
Textiles, clothing, leather and footwear	12 104 155	12 020 094	-0,7	-84 061
-Textiles	4 553 491	4 599 145	1,0	45 654
-Wearing apparel	4 731 499	4 654 593	-1,6	-76 906
-Leather and leather products	1 699 670	1 591 417	-6,4	-108 253
-Footwear	1 119 492	1 174 936	5,0	55 444
Wood and wood products, paper, publishing and printing	33 566 938	33 606 812	0,1	39 874
-Wood and products of wood	7 176 594	7 131 508	-0,6	-45 086
-Paper and paper products	15 116 409	14 859 541	-1,7	-256 868
-Publishing and printing	11 273 935	11 615 763	3,0	341 828
Petroleum, chemical products, rubber and plastic products	109 071 443	111 264 904	2,0	2 193 461
-Coke, petroleum products and nuclear fuel	46 160 907	45 524 943	-1,4	-635 964
-Basic chemicals	22 348 475	23 668 403	5,9	1 319 928
-Other chemical products	23 746 769	24 842 859	4,6	1 096 090
-Rubber products	4 181 922	4 061 643	-2,9	-120 279
-Plastic products	12 633 369	13 167 057	4,2	533 688
Glass and non-metallic mineral products	13 837 778	13 879 020	0,3	41 242
-Glass and glass products	2 262 688	2 241 994	-0,9	-20 694
-Non-metallic mineral products	11 575 091	11 637 027	0,5	61 936
Basic iron and steel, non-ferrous metal products, metal products and machinery	97 511 709	96 687 748	-0,8	-823 961
-Basic iron and steel products	29 973 899	29 661 809	-1,0	-312 090
-Basic precious, non-ferrous metal products	21 126 051	21 867 989	3,5	741 938
-Fabricated metal products	23 371 435	22 023 296	-5,8	-1 348 139
-Machinery and equipment	23 040 321	23 134 651	0,4	94 330
Electrical machinery	12 509 153	12 779 174	2,2	270 021
Radio, television and communication apparatus and professional equipment	5 342 692	4 569 405	-14,5	-773 287
-Radio, television and communication apparatus	3 312 272	2 705 267	-18,3	-607 005
-Professional equipment	2 030 420	1 864 140	-8,2	-166 280
Motor vehicles, parts and accessories and other transport equipment	52 467 453	55 045 608	4,9	2 578 155
-Motor vehicles, trailers, parts and accessories	47 254 304	50 168 690	6,2	2 914 386
-Other transport equipment	5 213 149	4 876 916	-6,4	-336 233
Furniture and other manufacturing division	14 667 004	15 173 228	3,5	506 224
-Furniture	3 920 526	3 922 889	0,1	2 363
-Other manufacturing groups	10 746 478	11 250 338	4,7	503 860
Total	447 181 902	453 619 298	1,4	6 437 396

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



PJ Lehohla
Statistician-General

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	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/ 102,8
Aug	115,8	96,3	101,6	107,8	110,2	109,6	1/ 108,3
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	-8,1
Aug	-0,3	-16,8	5,5	6,1	2,2	-0,5	-1,2
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	106,4	108,9
Feb	114,6	95,3	96,6	102,6	106,8	104,4	106,2
Mar	109,4	94,3	100,5	106,4	103,9	102,9	104,1
Apr	121,1	92,9	100,7	100,9	102,9	110,1	108,1
May	114,1	93,4	100,0	100,8	106,2	108,3	104,1
Jun	114,1	93,3	101,9	103,5	104,3	105,3	105,8
Jul	113,3	96,1	103,0	97,3	104,3	111,0	101,8
Aug	112,1	93,3	98,5	104,2	106,3	105,5	104,0
Sep	110,1	96,1	98,5	106,2	104,6	100,4	
Oct	108,7	98,0	100,0	102,4	106,1	108,2	
Nov	102,2	97,6	100,4	103,7	107,6	107,5	
Dec	97,0	100,8	101,1	103,8	105,1	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		
			August 2013	1/ July 2014	1/ August 2014	August 2013	July 2014	August 2014
Food and beverages	23,8	108,0	111,9	113,1	109,7	108,4	112,6	106,6
-Meat, fish, fruit, etc.	5,2	109,5	110,3	118,3	113,1	108,7	116,8	111,6
-Dairy products	2,3	106,0	103,6	101,3	103,2	104,1	106,8	103,9
-Grain mill products	2,8	107,5	108,3	107,3	105,5	107,4	105,5	104,7
-Other food products	7,1	105,0	123,9	125,9	113,0	108,1	111,3	98,7
-Beverages	6,4	111,0	104,4	101,5	107,3	110,5	115,9	113,1
Textiles, clothing, leather and footwear	2,9	95,2	97,5	99,2	97,0	94,6	95,6	93,6
-Textiles	0,8	82,8	81,3	80,5	74,1	82,7	78,3	75,5
-Other textile products	0,4	95,1	96,7	96,1	99,9	93,7	94,6	96,7
-Knitted, crocheted articles	0,1	65,9	59,0	52,9	48,9	65,2	55,9	54,0
-Wearing apparel	1,0	100,9	103,9	106,7	105,2	99,5	101,9	100,7
-Leather and leather products	0,2	120,3	118,2	115,9	106,1	125,1	117,3	112,3
-Footwear	0,4	101,5	113,7	122,4	124,9	100,1	114,2	109,2
Wood and wood products, paper, publishing and printing	9,5	103,6	114,9	104,7	101,9	112,2	105,0	99,2
-Sawmilling and planing of wood	0,8	108,4	115,7	123,5	114,4	111,2	116,2	110,0
-Products of wood	1,8	98,7	108,2	97,9	104,5	101,8	95,1	98,2
-Paper and paper products	3,3	100,0	105,7	99,2	97,0	105,6	102,0	96,9
-Publishing	1,4	116,5	134,1	101,7	105,2	135,4	104,7	105,6
-Printing, recorded media	2,2	102,6	121,1	113,2	100,3	115,4	113,4	95,0
Petroleum, chemical products, rubber and plastic products	22,5	108,6	111,5	109,1	107,2	109,0	105,8	105,0
-Coke, petroleum products and nuclear fuel	6,3	101,9	109,8	110,3	86,6	105,8	101,9	83,9
-Basic chemicals	4,8	108,7	110,9	118,7	115,1	109,5	115,8	113,9
-Other chemical products	7,1	114,5	117,1	108,0	119,1	114,0	107,4	115,7
-Rubber products	1,2	113,0	101,0	98,4	98,5	106,9	94,6	104,9
-Plastic products	3,1	107,4	107,5	98,5	113,0	104,3	98,8	109,7
Glass and non-metallic mineral products	4,4	105,5	116,2	109,6	100,6	108,8	102,8	94,4
-Glass and glass products	0,9	105,3	117,2	87,4	87,7	110,2	82,7	82,0
-Non-metallic mineral products	3,5	105,6	115,9	115,2	103,8	108,4	107,9	97,6
Basic iron and steel, non-ferrous metal products, metal products and machinery	20,4	105,3	110,6	87,0	107,2	105,9	88,2	102,5
-Basic iron and steel products	4,7	94,8	96,8	78,2	98,2	95,4	88,3	96,5
-Non-ferrous metal products	3,5	108,4	114,2	90,6	108,7	109,6	89,8	104,2
-Structural metal products	2,2	88,8	93,8	67,3	83,2	88,0	68,8	77,9
-Other fabricated metal products	3,9	119,5	133,2	94,6	127,1	123,5	90,3	117,0
-General purpose machinery	2,4	100,4	99,3	78,3	95,3	97,6	76,6	94,1
-Special purpose machinery	3,0	114,4	119,8	108,7	119,5	115,9	107,8	115,6
-Household appliances	0,7	113,6	111,4	85,6	113,2	104,1	85,7	105,9
Electrical machinery	2,4	104,8	111,3	82,5	111,6	105,0	80,3	105,0
Radio, television and communication apparatus and professional equipment	1,4	127,1	137,3	120,0	141,2	126,6	116,7	129,1
-Radio, television and communication apparatus	0,9	141,2	164,3	139,2	172,8	146,6	134,7	152,5
-Professional equipment	0,5	105,2	95,6	90,4	92,4	95,5	88,9	93,0
Motor vehicles, parts and accessories and other transport equipment	8,6	109,4	92,4	91,5	121,7	84,2	94,3	110,0
-Motor vehicles	3,9	124,6	77,9	98,7	151,6	70,0	103,0	135,7
-Bodies for motor vehicles, trailers and semi-trailers	0,5	111,2	124,5	96,4	109,9	114,5	95,0	100,8
-Parts and accessories	3,0	94,8	103,5	83,4	94,9	95,4	86,6	86,9
-Other transport equipment	1,2	96,8	96,6	86,5	98,4	88,5	85,6	90,0
Furniture and other manufacturing division	4,1	94,8	95,6	106,4	100,2	92,4	102,8	96,7
-Furniture	1,1	110,6	116,2	120,4	114,3	112,0	114,8	109,9
-Other manufacturing groups	3,0	89,3	88,3	101,6	95,2	85,6	98,7	92,1
Total	100,0	106,5	109,6	102,8	108,3	105,5	101,8	104,0

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		
			August 2013	1/ August 2014	% change between August 2013 and August 2014	July 2014	August 2014	% change between July and August 2014
Food and beverages	23,8	108,0	111,9	109,7	-2,0	112,6	106,6	-5,3
-Meat, fish, fruit, etc.	5,2	109,5	110,3	113,1	2,5	116,8	111,6	-4,5
-Dairy products	2,3	106,0	103,6	103,2	-0,4	106,8	103,9	-2,7
-Grain mill products	2,8	107,5	108,3	105,5	-2,6	105,5	104,7	-0,8
-Other food products	7,1	105,0	123,9	113,0	-8,8	111,3	98,7	-11,3
-Beverages	6,4	111,0	104,4	107,3	2,8	115,9	113,1	-2,4
Textiles, clothing, leather and footwear	2,9	95,2	97,5	97,0	-0,5	95,6	93,6	-2,1
-Textiles	0,8	82,8	81,3	74,1	-8,9	78,3	75,5	-3,6
-Other textile products	0,4	95,1	96,7	99,9	3,3	94,6	96,7	2,2
-Knitted, crocheted articles	0,1	65,9	59,0	48,9	-17,1	55,9	54,0	-3,4
-Wearing apparel	1,0	100,9	103,9	105,2	1,3	101,9	100,7	-1,2
-Leather and leather products	0,2	120,3	118,2	106,1	-10,2	117,3	112,3	-4,3
-Footwear	0,4	101,5	113,7	124,9	9,9	114,2	109,2	-4,4
Wood and wood products, paper, publishing and printing	9,5	103,6	114,9	101,9	-11,3	105,0	99,2	-5,5
-Sawmilling and planing of wood	0,8	108,4	115,7	114,4	-1,1	116,2	110,0	-5,3
-Products of wood	1,8	98,7	108,2	104,5	-3,4	95,1	98,2	3,3
-Paper and paper products	3,3	100,0	105,7	97,0	-8,2	102,0	96,9	-5,0
-Publishing	1,4	116,5	134,1	105,2	-21,6	104,7	105,6	0,9
-Printing, recorded media	2,2	102,6	121,1	100,3	-17,2	113,4	95,0	-16,2
Petroleum, chemical products, rubber and plastic products	22,5	108,6	111,5	107,2	-3,9	105,8	105,0	-0,8
-Coke, petroleum products and nuclear fuel	6,3	101,9	109,8	86,6	-21,1	101,9	83,9	-17,7
-Basic chemicals	4,8	108,7	110,9	115,1	3,8	115,8	113,9	-1,6
-Other chemical products	7,1	114,5	117,1	119,1	1,7	107,4	115,7	7,7
-Rubber products	1,2	113,0	101,0	98,5	-2,5	94,6	104,9	10,9
-Plastic products	3,1	107,4	107,5	113,0	5,1	98,8	109,7	11,0
Glass and non-metallic mineral products	4,4	105,5	116,2	100,6	-13,4	102,8	94,4	-8,2
-Glass and glass products	0,9	105,3	117,2	87,7	-25,2	82,7	82,0	-0,8
-Non-metallic mineral products	3,5	105,6	115,9	103,8	-10,4	107,9	97,6	-9,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	20,4	105,3	110,6	107,2	-3,1	88,2	102,5	16,2
-Basic iron and steel products	4,7	94,8	96,8	98,2	1,4	88,3	96,5	9,3
-Non-ferrous metal products	3,5	108,4	114,2	108,7	-4,8	89,8	104,2	16,0
-Structural metal products	2,2	88,8	93,8	83,2	-11,3	68,8	77,9	13,2
-Other fabricated metal products	3,9	119,5	133,2	127,1	-4,6	90,3	117,0	29,6
-General purpose machinery	2,4	100,4	99,3	95,3	-4,0	76,6	94,1	22,8
-Special purpose machinery	3,0	114,4	119,8	119,5	-0,3	107,8	115,6	7,2
-Household appliances	0,7	113,6	111,4	113,2	1,6	85,7	105,9	23,6
Electrical machinery	2,4	104,8	111,3	111,6	0,3	80,3	105,0	30,8
Radio, television and communication apparatus and professional equipment	1,4	127,1	137,3	141,2	2,8	116,7	129,1	10,6
-Radio, television and communication apparatus	0,9	141,2	164,3	172,8	5,2	134,7	152,5	13,2
-Professional equipment	0,5	105,2	95,6	92,4	-3,3	88,9	93,0	4,6
Motor vehicles, parts and accessories and other transport equipment	8,6	109,4	92,4	121,7	31,7	94,3	110,0	16,6
-Motor vehicles	3,9	124,6	77,9	151,6	94,6	103,0	135,7	31,7
-Bodies for motor vehicles, trailers and semi-trailers	0,5	111,2	124,5	109,9	-11,7	95,0	100,8	6,1
-Parts and accessories	3,0	94,8	103,5	94,9	-8,3	86,6	86,9	0,3
-Other transport equipment	1,2	96,8	96,6	98,4	1,9	85,6	90,0	5,1
Furniture and other manufacturing division	4,1	94,8	95,6	100,2	4,8	102,8	96,7	-5,9
-Furniture	1,1	110,6	116,2	114,3	-1,6	114,8	109,9	-4,3
-Other manufacturing groups	3,0	89,3	88,3	95,2	7,8	98,7	92,1	-6,7
Total	100,0	106,5	109,6	108,3	-1,2	101,8	104,0	2,2

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	148 218 032
Jun	129 712 325	102 182 642	113 714 894	122 066 418	130 686 381	139 191 581	1/ 156 237 317
Jul	133 522 456	103 852 587	112 863 459	112 900 609	127 523 717	146 281 118	1/ 146 246 126
Aug	131 306 310	104 831 059	110 602 573	124 733 688	134 271 194	143 904 416	1/ 155 709 822
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.

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	0,0
Aug	20,0	-20,2	5,5	12,8	7,6	7,2	8,2
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	112 874 473	107 084 503	107 470 695	113 887 944	125 598 234	136 086 017	151 799 457
Feb	118 290 967	106 096 904	105 957 200	115 604 401	130 041 623	135 505 351	150 309 231
Mar	115 765 542	105 612 946	110 517 196	121 163 032	128 403 449	133 168 098	146 648 726
Apr	130 214 778	100 898 003	109 245 222	115 366 978	124 892 908	141 401 501	151 954 306
May	124 331 903	100 925 532	109 598 330	117 636 597	130 417 774	141 526 588	148 578 870
Jun	126 759 761	100 413 833	111 739 935	119 996 662	128 601 179	137 185 045	154 001 655
Jul	130 516 575	102 405 073	111 657 775	112 254 664	127 252 354	146 338 771	146 650 123
Aug	127 083 930	102 117 465	108 327 789	122 419 554	131 752 317	141 139 255	152 967 520
Sep	124 288 829	103 962 097	108 182 004	127 706 640	127 226 558	135 938 786	
Oct	125 060 225	104 371 821	111 317 095	122 875 790	133 174 221	144 365 739	
Nov	115 324 371	104 676 935	112 988 785	124 037 776	136 725 527	144 762 948	
Dec	111 229 655	108 585 200	114 027 484	127 998 831	133 505 681	151 703 025	

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		
		August 2013	1/ July 2014	1/ August 2014	August 2013	July 2014	August 2014
Food and beverages	358 787 605	29 705 319	31 900 961	32 221 400	29 803 894	33 215 766	32 327 252
-Meat, fish, fruit, etc.	93 676 050	7 864 302	8 849 501	8 618 583	7 734 394	8 882 133	8 477 726
-Dairy products	30 433 389	2 435 422	2 757 560	2 789 171	2 473 598	2 834 364	2 839 559
-Grain mill products	60 913 071	5 105 892	5 461 500	5 362 263	5 017 494	5 396 325	5 271 352
-Other food products	74 241 039	6 530 398	6 867 663	7 101 472	6 252 152	6 887 060	6 793 417
-Beverages	99 524 056	7 769 305	7 964 737	8 349 911	8 326 255	9 215 884	8 945 197
Textiles, clothing, leather and footwear	45 890 303	3 903 614	4 067 656	4 181 159	3 824 764	4 048 776	4 080 247
-Textiles	5 646 925	470 239	513 777	478 063	467 399	511 143	476 230
-Other textile products	11 512 078	969 248	1 001 803	1 082 003	949 891	1 008 383	1 055 286
-Knitted, crocheted articles	2 614 746	205 977	192 290	180 749	224 498	196 046	196 122
-Wearing apparel	15 631 991	1 362 563	1 432 691	1 475 879	1 294 747	1 388 375	1 398 901
-Leather and leather products	6 142 555	520 725	495 783	520 362	527 287	519 028	525 046
-Footwear	4 342 008	374 862	431 312	444 103	360 942	425 801	428 660
Wood and wood products, paper, publishing and printing	128 298 495	11 945 987	11 368 984	11 151 990	11 558 306	11 649 973	10 746 262
-Sawmilling and planing of wood	9 846 071	958 144	940 455	864 297	913 492	892 228	821 997
-Products of wood	17 300 181	1 572 921	1 476 265	1 569 776	1 494 268	1 440 213	1 491 753
-Paper and paper products	55 755 255	4 985 385	4 800 923	5 010 130	4 844 511	5 035 929	4 854 267
-Publishing	20 848 245	2 018 884	1 620 356	1 643 036	2 036 951	1 684 857	1 650 949
-Printing, recorded media	24 548 743	2 410 653	2 530 985	2 064 751	2 269 084	2 596 747	1 927 296
Petroleum, chemical products, rubber and plastic products	423 519 162	35 950 456	39 096 686	36 733 977	35 339 677	38 304 026	36 295 905
-Coke, petroleum products and nuclear fuel	179 277 670	15 750 751	17 378 602	14 008 201	15 347 702	16 342 871	13 792 910
-Basic chemicals	84 434 772	6 723 556	8 060 557	7 843 626	6 879 431	8 198 983	8 028 846
-Other chemical products	94 393 875	8 100 050	8 042 140	8 814 189	7 922 848	8 123 656	8 612 593
-Rubber products	16 107 981	1 203 355	1 367 914	1 362 862	1 193 524	1 322 003	1 354 730
-Plastic products	49 304 864	4 172 744	4 247 473	4 705 099	3 996 173	4 316 513	4 506 827
Glass and non-metallic mineral products	54 410 554	4 832 638	4 928 113	4 869 869	4 549 232	4 622 209	4 594 761
-Glass and glass products	9 847 833	851 492	766 527	755 769	834 066	745 506	739 714
-Non-metallic mineral products	44 562 721	3 981 146	4 161 586	4 114 100	3 715 166	3 876 704	3 855 047
Basic iron and steel, non-ferrous metal products, metal products and machinery	362 211 704	31 308 390	27 265 162	35 082 490	30 752 081	27 590 890	34 591 506
-Basic iron and steel products	107 121 206	8 845 880	6 976 174	11 302 478	9 039 499	7 291 463	11 603 962
-Non-ferrous metal products	75 898 020	6 601 809	6 785 065	7 544 618	6 570 803	6 949 085	7 480 156
-Structural metal products	33 623 084	2 950 770	2 247 875	2 788 011	2 777 400	2 331 076	2 622 812
-Other fabricated metal products	56 645 754	5 201 741	4 160 746	5 196 082	4 817 682	4 016 801	4 792 738
-General purpose machinery	34 285 217	2 850 771	2 529 422	3 065 691	2 804 665	2 535 153	3 025 119
-Special purpose machinery	45 235 936	4 050 704	3 932 287	4 348 790	3 953 898	3 826 181	4 247 008
-Household appliances	9 402 487	806 715	633 593	836 820	788 134	641 130	819 709
Electrical machinery	50 394 196	4 668 090	3 422 329	4 926 992	4 372 941	3 354 991	4 602 481
Radio, television and communication apparatus and professional equipment	18 121 946	1 666 556	1 408 767	1 800 892	1 467 185	1 364 623	1 573 493
-Radio, television and communication apparatus	10 394 619	1 048 930	830 346	1 161 130	874 832	790 906	958 972
-Professional equipment	7 727 327	617 626	578 421	639 762	592 353	573 718	614 522
Motor vehicles, parts and accessories and other transport equipment	191 772 877	15 154 482	17 524 050	19 350 265	14 929 659	17 331 558	19 017 450
-Motor vehicles	106 642 282	7 993 193	9 850 176	10 888 880	8 113 498	9 867 594	10 985 597
-Bodies for motor vehicles, trailers and semi-trailers	8 714 712	769 576	764 208	755 127	730 541	722 872	718 422
-Parts and accessories	56 149 287	4 739 682	5 267 165	5 837 680	4 580 527	5 122 389	5 614 909
-Other transport equipment	20 266 596	1 652 031	1 642 501	1 868 578	1 505 093	1 618 702	1 698 522
Furniture and other manufacturing division	55 300 525	4 768 884	5 263 418	5 390 788	4 541 516	5 167 312	5 138 163
-Furniture	14 272 983	1 251 358	1 359 571	1 312 746	1 223 438	1 305 154	1 282 453
-Other manufacturing groups	41 027 542	3 517 526	3 903 847	4 078 042	3 318 078	3 862 157	3 855 710
Total	1 688 707 367	143 904 416	146 246 126	155 709 822	141 139 255	146 650 123	152 967 520

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		
		August 2013	1/ August 2014	% change between August 2013 and August 2014	July 2014	August 2014	% change between July and August 2014
Food and beverages	358 787 605	29 705 319	32 221 400	8,5	33 215 766	32 327 252	-2,7
-Meat, fish, fruit, etc.	93 676 050	7 864 302	8 618 583	9,6	8 882 133	8 477 726	-4,6
-Dairy products	30 433 389	2 435 422	2 789 171	14,5	2 834 364	2 839 559	0,2
-Grain mill products	60 913 071	5 105 892	5 362 263	5,0	5 396 325	5 271 352	-2,3
-Other food products	74 241 039	6 530 398	7 101 472	8,7	6 887 060	6 793 417	-1,4
-Beverages	99 524 056	7 769 305	8 349 911	7,5	9 215 884	8 945 197	-2,9
Textiles, clothing, leather and footwear	45 890 303	3 903 614	4 181 159	7,1	4 048 776	4 080 247	0,8
-Textiles	5 646 925	470 239	478 063	1,7	511 143	476 230	-6,8
-Other textile products	11 512 078	969 248	1 082 003	11,6	1 008 383	1 055 286	4,7
-Knitted, crocheted articles	2 614 746	205 977	180 749	-12,2	196 046	196 122	-0,0
-Wearing apparel	15 631 991	1 362 563	1 475 879	8,3	1 388 375	1 398 901	0,8
-Leather and leather products	6 142 555	520 725	520 362	-0,1	519 028	525 046	1,2
-Footwear	4 342 008	374 862	444 103	18,5	425 801	428 660	0,7
Wood and wood products, paper, publishing and printing	128 298 495	11 945 987	11 151 990	-6,6	11 649 973	10 746 262	-7,8
-Sawmilling and planing of wood	9 846 071	958 144	864 297	-9,8	892 228	821 997	-7,9
-Products of wood	17 300 181	1 572 921	1 569 776	-0,2	1 440 213	1 491 753	3,6
-Paper and paper products	55 755 255	4 985 385	5 010 130	0,5	5 035 929	4 854 267	-3,6
-Publishing	20 848 245	2 018 884	1 643 036	-18,6	1 684 857	1 650 949	-2,0
-Printing, recorded media	24 548 743	2 410 653	2 064 751	-14,3	2 596 747	1 927 296	-25,8
Petroleum, chemical products, rubber and plastic products	423 519 162	35 950 456	36 733 977	2,2	38 304 026	36 295 905	-5,2
-Coke, petroleum products and nuclear fuel	179 277 670	15 750 751	14 008 201	-11,1	16 342 871	13 792 910	-15,6
-Basic chemicals	84 434 772	6 723 556	7 843 626	16,7	8 198 983	8 028 846	-2,1
-Other chemical products	94 393 875	8 100 050	8 814 189	8,8	8 123 656	8 612 593	6,0
-Rubber products	16 107 981	1 203 355	1 362 862	13,3	1 322 003	1 354 730	2,5
-Plastic products	49 304 864	4 172 744	4 705 099	12,8	4 316 513	4 506 827	4,4
Glass and non-metallic mineral products	54 410 554	4 832 638	4 869 869	0,8	4 622 209	4 594 761	-0,6
-Glass and glass products	9 847 833	851 492	755 769	-11,2	745 506	739 714	-0,8
-Non-metallic mineral products	44 562 721	3 981 146	4 114 100	3,3	3 876 704	3 855 047	-0,6
Basic iron and steel, non-ferrous metal products, metal products and machinery	362 211 704	31 308 390	35 082 490	12,1	27 590 890	34 591 506	25,4
-Basic iron and steel products	107 121 206	8 845 880	11 302 478	27,8	7 291 463	11 603 962	59,1
-Non-ferrous metal products	75 898 020	6 601 809	7 544 618	14,3	6 949 085	7 480 156	7,6
-Structural metal products	33 623 084	2 950 770	2 788 011	-5,5	2 331 076	2 622 812	12,5
-Other fabricated metal products	56 645 754	5 201 741	5 196 082	-0,1	4 016 801	4 792 738	19,3
-General purpose machinery	34 285 217	2 850 771	3 065 691	7,5	2 535 153	3 025 119	19,3
-Special purpose machinery	45 235 936	4 050 704	4 348 790	7,4	3 826 181	4 247 008	11,0
-Household appliances	9 402 487	806 715	836 820	3,7	641 130	819 709	27,9
Electrical machinery	50 394 196	4 668 090	4 926 992	5,5	3 354 991	4 602 481	37,2
Radio, television and communication apparatus and professional equipment	18 121 946	1 666 556	1 800 892	8,1	1 364 623	1 573 493	15,3
-Radio, television and communication apparatus	10 394 619	1 048 930	1 161 130	10,7	790 906	958 972	21,2
-Professional equipment	7 727 327	617 626	639 762	3,6	573 718	614 522	7,1
Motor vehicles, parts and accessories and other transport equipment	191 772 877	15 154 482	19 350 265	27,7	17 331 558	19 017 450	9,7
-Motor vehicles	106 642 282	7 993 193	10 888 880	36,2	9 867 594	10 985 597	11,3
-Bodies for motor vehicles, trailers and semi-trailers	8 714 712	769 576	755 127	-1,9	722 872	718 422	-0,6
-Parts and accessories	56 149 287	4 739 682	5 837 680	23,2	5 122 389	5 614 909	9,6
-Other transport equipment	20 266 596	1 652 031	1 868 578	13,1	1 618 702	1 698 522	4,9
Furniture and other manufacturing division	55 300 525	4 768 884	5 390 788	13,0	5 167 312	5 138 163	-0,6
-Furniture	14 272 983	1 251 358	1 312 746	4,9	1 305 154	1 282 453	-1,7
-Other manufacturing groups	41 027 542	3 517 526	4 078 042	15,9	3 862 157	3 855 710	-0,2
Total	1 688 707 367	143 904 416	155 709 822	8,2	146 650 123	152 967 520	4,3

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)		
		June to August 2013	June to August 2014	% change between June to August 2013 and June to August 2014	June to August 2013	June to August 2014	% change between June to August 2013 and June to August 2014
Food and beverages	23,8	107,9	109,8	1,8	86 525 657	95 429 155	10,3
-Meat, fish, fruit, etc.	5,2	109,0	115,4	5,9	23 286 451	26 347 770	13,1
-Dairy products	2,3	100,6	99,4	-1,2	7 228 400	8 128 780	12,5
-Grain mill products	2,8	108,3	107,8	-0,5	15 339 508	16 443 614	7,2
-Other food products	7,1	116,1	116,8	0,6	18 490 864	20 445 372	10,6
-Beverages	6,4	100,4	102,1	1,7	22 180 434	24 063 619	8,5
Textiles, clothing, leather and footwear	2,9	98,0	94,7	-3,4	11 694 885	12 098 868	3,5
-Textiles	0,8	85,8	79,4	-7,5	1 435 778	1 535 633	7,0
-Other textile products	0,4	97,0	96,5	-0,5	2 977 738	3 101 115	4,1
-Knitted, crocheted articles	0,1	62,5	49,2	-21,3	621 907	533 262	-14,3
-Wearing apparel	1,0	102,5	101,4	-1,1	3 986 190	4 168 228	4,6
-Leather and leather products	0,2	124,5	114,5	-8,0	1 579 916	1 583 434	0,2
-Footwear	0,4	107,7	107,5	-0,2	1 093 356	1 177 196	7,7
Wood and wood products, paper, publishing and printing	9,5	106,3	102,3	-3,8	32 844 530	33 754 308	2,8
-Sawmilling and planing of wood	0,8	113,8	119,4	4,9	2 636 796	2 747 747	4,2
-Products of wood	1,8	103,8	100,9	-2,8	4 568 700	4 641 797	1,6
-Paper and paper products	3,3	103,4	100,4	-2,9	14 335 469	15 054 254	5,0
-Publishing	1,4	118,3	103,2	-12,8	5 233 028	4 889 445	-6,6
-Printing, recorded media	2,2	102,0	99,3	-2,6	6 070 537	6 421 065	5,8
Petroleum, chemical products, rubber and plastic products	22,5	110,2	107,8	-2,2	108 693 099	113 350 643	4,3
-Coke, petroleum products and nuclear fuel	6,3	103,3	101,4	-1,8	47 631 120	47 468 920	-0,3
-Basic chemicals	4,8	113,6	113,0	-0,5	21 140 381	23 350 190	10,5
-Other chemical products	7,1	114,0	112,8	-1,1	23 346 665	25 085 389	7,4
-Rubber products	1,2	116,6	99,2	-14,9	4 126 100	4 162 883	0,9
-Plastic products	3,1	108,4	104,7	-3,4	12 448 833	13 283 261	6,7
Glass and non-metallic mineral products	4,4	114,0	103,7	-9,0	14 680 660	14 643 392	-0,3
-Glass and glass products	0,9	114,9	84,5	-26,5	2 633 884	2 279 970	-13,4
-Non-metallic mineral products	3,5	113,8	108,6	-4,6	12 046 776	12 363 422	2,6
Basic iron and steel, non-ferrous metal products, metal products and machinery	20,4	109,3	100,1	-8,4	92 937 060	98 377 234	5,9
-Basic iron and steel products	4,7	100,6	90,6	-9,9	27 122 174	30 042 388	10,8
-Non-ferrous metal products	3,5	111,5	100,8	-9,6	19 771 499	22 040 523	11,5
-Structural metal products	2,2	88,1	80,1	-9,1	8 300 237	8 057 901	-2,9
-Other fabricated metal products	3,9	124,5	117,7	-5,5	14 616 881	14 781 458	1,1
-General purpose machinery	2,4	103,7	88,3	-14,9	8 786 670	8 564 822	-2,5
-Special purpose machinery	3,0	119,7	115,3	-3,7	11 984 893	12 499 136	4,3
-Household appliances	0,7	114,5	101,7	-11,2	2 354 706	2 391 006	1,5
Electrical machinery	2,4	110,3	102,9	-6,7	13 542 296	13 377 340	-1,2
Radio, television and communication apparatus and professional equipment	1,4	128,1	132,7	3,6	4 629 986	4 822 124	4,1
-Radio, television and communication apparatus	0,9	143,9	154,2	7,2	2 697 969	2 884 944	6,9
-Professional equipment	0,5	103,7	99,5	-4,1	1 932 017	1 937 180	0,3
Motor vehicles, parts and accessories and other transport equipment	8,6	115,4	107,8	-6,6	49 478 306	56 734 009	14,7
-Motor vehicles	3,9	127,3	127,6	0,2	26 735 873	32 768 864	22,6
-Bodies for motor vehicles, trailers and semi-trailers	0,5	118,3	107,1	-9,5	2 317 892	2 324 002	0,3
-Parts and accessories	3,0	105,0	89,2	-15,0	15 105 475	16 458 529	9,0
-Other transport equipment	1,2	101,9	91,1	-10,6	5 319 066	5 182 614	-2,6
Furniture and other manufacturing division	4,1	95,5	101,7	6,5	14 350 636	15 606 192	8,7
-Furniture	1,1	113,5	117,6	3,6	3 662 047	4 029 115	10,0
-Other manufacturing groups	3,0	89,2	96,2	7,8	10 688 589	11 577 077	8,3
Total	100,0	109,0	105,6	-3,1	429 377 115	458 193 265	6,7

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 August 2014 was 87,1%. The improved collection rate for July 2014 was 91,2%.
- 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 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
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.

Stats SA has copyright on this publication. Users may apply the information as they wish, provided that they acknowledge Stats SA as the source of the basic data wherever they process, apply, utilise, publish or distribute the data; and also that they specify that the relevant application and analysis (where applicable) result from their own processing of the data.

Advance release calendar

An advance release calendar is disseminated on www.statssa.gov.za

Stats SA products

A complete set of Stats SA publications is available at the Stats SA Library and the following libraries:

National Library of South Africa, Pretoria Division
National Library of South Africa, Cape Town Division
Natal Society Library, Pietermaritzburg
Library of Parliament, Cape Town
Bloemfontein Public Library
Johannesburg Public Library
Eastern Cape Library Services, King William's Town
Central Regional Library, Polokwane
Central Reference Library, Mbombela
Central Reference Collection, Kimberley
Central Reference Library, Mmabatho

Stats SA also provides a subscription service.

Electronic services

A large range of data are available via online services. For more details about our electronic services, contact Stats SA's user information service at (012) 310 8600.

You can visit us on the internet at: www.statssa.gov.za

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

Produced by Stats SA