

Statistical release

P3041.2

Manufacturing: Production and sales (Preliminary)

September 2011

**Embargoed until:
9 November 2011
13:00**

Enquiries:

User information services
Tel. (012) 310 8600

Forthcoming issue:

October 2011

Expected release date

8 December 2011

Contents

Key figures for September 2011	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: 2005 – 2011	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: 2005 – 2011	6
Detailed results	7
Table 1 – Total index of the physical volume of manufacturing production: 2005 – 2011	7
Table 2 – Annual percentage change in the total index of the physical volume of manufacturing production: 2005 – 2011	7
Table 3 – Seasonally adjusted index of the total physical volume of manufacturing production: 2005 – 2011	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): 2005 – 2011	10
Table 6 – Annual percentage change in the total estimated value of sales of the manufacturing industry: 2005 – 2011	10
Table 7 – Total seasonally adjusted sales of the manufacturing industry at current prices (R'000): 2005 – 2011	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
Table 10 – Annual percentage change in the cumulative physical volume of manufacturing production and estimated sales according to manufacturing divisions and major groups	14
Explanatory notes	15
Glossary	19
Table D – Weights according to manufacturing divisions and major groups	21
General information	22

Key figures for September 2011

Table A – Manufacturing production and sales

Estimates	September 2011	% change between September 2010 and September 2011	% change between July to September 2010 and July to September 2011	% change between January to September 2010 and January to September 2011
Physical volume of manufacturing production index (base: 2005=100)	110,0	7,7	2,3	2,6
Total estimated sales of manufactured products (R million)	126 548	16,6	9,8	8,7

Seasonally adjusted estimates	September 2011	% change between August and September 2011	% change between April to June 2011 and July to September 2011
Physical volume of manufacturing production index (base: 2005=100)	105,3	0,2	-0,1
Total value of sales of manufactured products (R million)	119 593	1,9	0,8

Manufacturing production for September 2011 increased by 7,7% compared with September 2010.

The 7,7% year-on-year increase in manufacturing production for September 2011 was due to higher production in the following divisions:

- the motor vehicles, parts and accessories and other transport equipment division (51,1% and contributing 4,1 percentage points);
- the basic iron and steel, non-ferrous metal products, metal products and machinery division (6,3% and contributing 1,3 percentage points);
- the petroleum, chemical products, rubber and plastic products division (2,3% and contributing 0,6 of a percentage point);
- the electrical machinery division (10,6% and contributing 0,4 of a percentage point);
- the food and beverages division (1,9% and contributing 0,4 of a percentage point);
- the radio, television and communication apparatus and professional equipment division (28,5% and contributing 0,3 of a percentage point);
- the glass and non-metallic mineral products division (5,4% and contributing 0,3 of a percentage point); and
- the wood and wood products, paper, publishing and printing division (3,0% and contributing 0,3 of a percentage point) (see Table 4b).

Seasonally adjusted manufacturing production for the third quarter of 2011 decreased marginally by 0,1% compared with the second quarter of 2011. Four of the ten manufacturing divisions reported negative growth rates over this period.

The decrease was driven by lower production recorded for:

- the basic iron and steel, non-ferrous metal products, metal products and machinery division (-7,7% and contributing -1,6 percentage points);
- the petroleum, chemical products, rubber and plastic products division (-1,8% and contributing -0,5 of a percentage point); and
- the furniture and 'other' manufacturing division (-2,9% and contributing -0,1 of a percentage point).

However, these decreases were partially counteracted by increases reported by:

- the food and beverages division (5,2% and contributing 0,9 of a percentage point);
- the motor vehicles, parts and accessories and other transport equipment division (7,9% and contributing 0,8 of a percentage point); and
- the glass and non-metallic mineral products division (4,4% and contributing 0,2 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

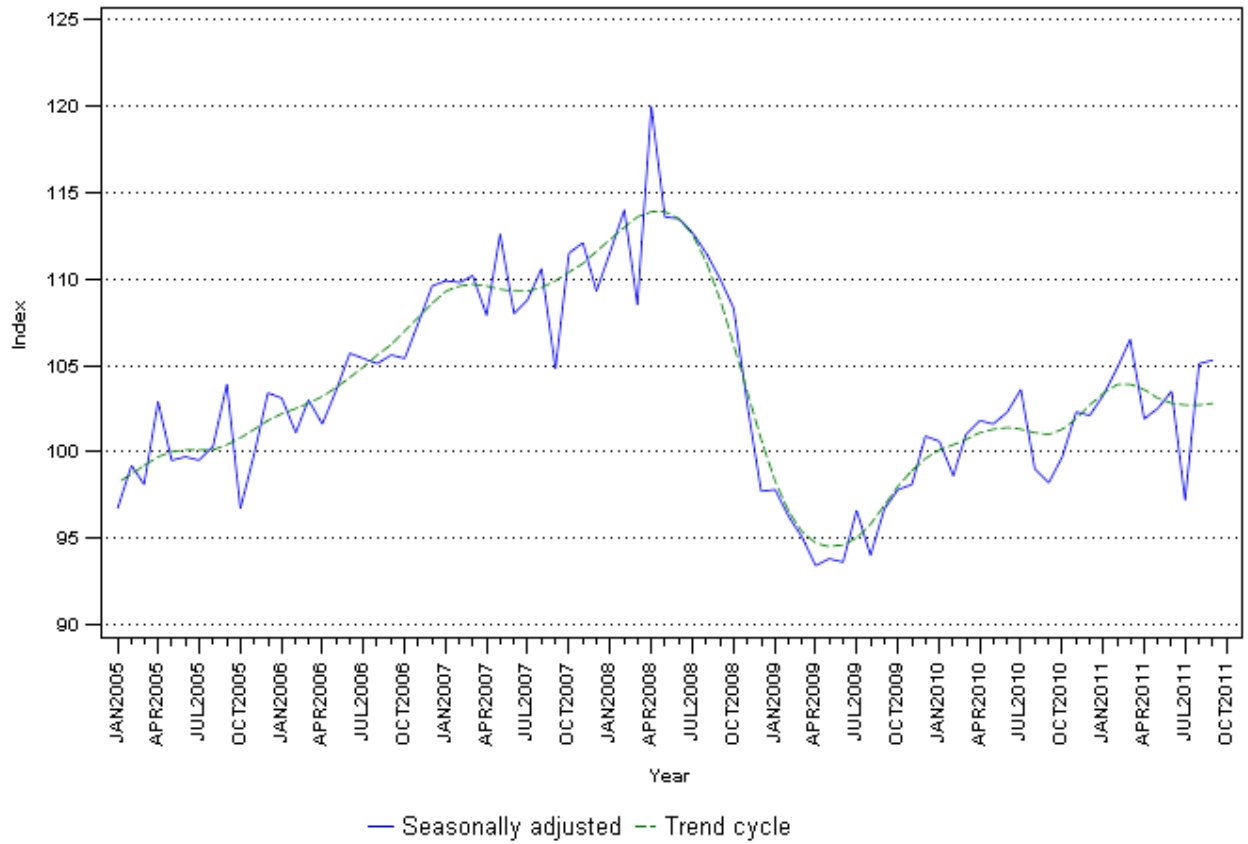
Base: 2005=100

Manufacturing divisions and major groups	Percentage contribution to total manufacturing production using the weights according to large sample survey of the manufacturing industry, 2005	Average seasonally adjusted production index for April to June 2011	Average seasonally adjusted production index for July to September 2011	Quarterly percentage change of July to September 2011 compared with the preceding three months	Contribution (percentage points) to the seasonally adjusted quarterly percentage change in total manufacturing production 1/
Food and beverages	15,4	114,6	120,6	5,2	0,9
-Meat, fish, fruit, etc.	1,8	117,5	123,3	4,9	0,1
-Dairy products	0,8	115,2	118,4	2,8	0,0
-Grain mill products	0,8	105,1	110,5	5,1	0,0
-Other food products	5,2	112,7	117,9	4,6	0,3
-Beverages	6,8	116,4	123,6	6,2	0,5
Textiles, clothing, leather and footwear	4,9	80,9	83,6	3,3	0,1
-Textiles	1,6	65,6	68,7	4,7	0,0
-Wearing apparel	2,3	84,2	85,9	2,0	0,0
-Leather and leather products	0,6	91,8	93,8	2,2	0,0
-Footwear	0,4	104,3	111,9	7,3	0,0
Wood and wood products, paper, publishing and printing	10,2	94,1	94,3	0,2	0,0
-Wood and products of wood	2,0	86,3	86,5	0,2	0,0
-Paper and paper products	3,8	106,3	107,0	0,7	0,0
-Publishing and printing	4,3	86,9	86,6	-0,3	0,0
Petroleum, chemical products, rubber and plastic products	22,1	113,6	111,5	-1,8	-0,5
-Coke, petroleum products and nuclear fuel	8,5	94,3	86,9	-7,8	-0,6
-Basic chemicals	4,5	130,8	128,8	-1,5	-0,1
-Other chemical products	5,3	118,7	120,3	1,3	0,1
-Rubber products	1,0	91,3	99,8	9,3	0,1
-Plastic products	2,7	143,5	146,4	2,0	0,1
Glass and non-metallic mineral products	4,8	93,9	98,0	4,4	0,2
-Glass and glass products	1,0	113,5	119,0	4,8	0,1
-Non-metallic mineral products	3,8	89,0	92,7	4,2	0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	93,7	86,5	-7,7	-1,6
-Basic iron and steel products	7,7	85,6	65,0	-24,1	-1,5
-Basic precious, non-ferrous metal products	3,4	110,6	110,4	-0,2	0,0
-Fabricated metal products	5,7	103,0	101,7	-1,3	-0,1
-Machinery and equipment	6,1	85,5	85,6	0,1	0,0
Electrical machinery	2,5	129,6	128,3	-1,0	0,0
Radio, television and communication apparatus and professional equipment	1,1	103,1	112,3	8,9	0,1
-Radio, television and communication apparatus	0,4	93,7	122,0	30,2	0,1
-Professional equipment	0,7	109,1	106,1	-2,7	0,0
Motor vehicles, parts and accessories and other transport equipment	10,9	100,3	108,2	7,9	0,8
-Motor vehicles	4,9	93,9	106,3	13,2	0,6
-Bodies for motor vehicles, trailers and semi-trailers	0,5	126,1	123,3	-2,2	0,0
-Parts and accessories	4,7	100,7	104,6	3,9	0,2
-Other transport equipment	0,9	118,4	128,3	8,4	0,1
Furniture and other manufacturing division	5,2	96,9	94,1	-2,9	-0,1
-Furniture	1,3	91,7	92,0	0,3	0,0
-Other manufacturing groups	3,9	98,6	94,8	-3,9	-0,1
Total	100,0	102,6	102,5	-0,1	-0,1

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: 2005 – 2011

Base: 2005=100



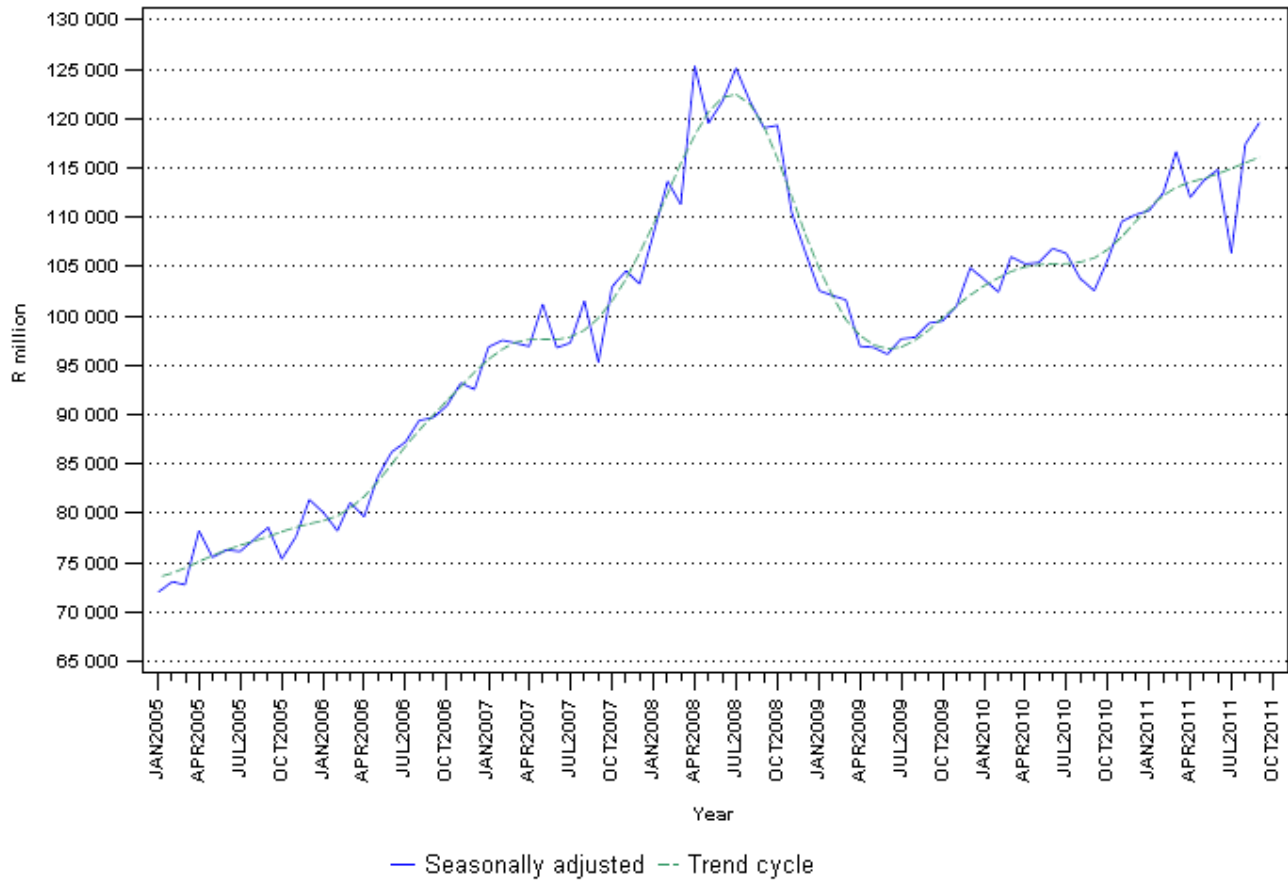
Seasonally adjusted sales of manufactured products (at current prices) for the third quarter of 2011 increased by 0,8% (R2 803 million) compared with the second quarter of 2011. Eight of the ten manufacturing divisions reported positive growth rates over this period (see Table C).

The large increases reported by the motor vehicles, parts and accessories and other transport equipment division (11,8% or R4 878 million) and the food and beverages division (5,2% or R3 387 million) during the above-mentioned period were mainly responsible for the increase in total manufacturing sales. The basic iron and steel, non-ferrous metal products, metal products and machinery division (-5,0% or -R3 789 million) and the petroleum, chemical products, rubber and plastic products division (-4,5% or -R3 726 million) showed large negative contributions over the third quarter of 2011 (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 April to June 2011	Seasonally adjusted sales July to September 2011	Percentage change between April to June 2011 and July to September 2011	Difference in seasonally adjusted sales of manufacturing divisions between April to June 2011 and July to September 2011
	R'000	R'000	%	R'000
Food and beverages	65 329 536	68 716 102	5,2	3 386 566
-Food and food products	49 800 100	52 059 382	4,5	2 259 282
-Beverages	15 529 436	16 656 721	7,3	1 127 285
Textiles, clothing, leather and footwear	9 680 052	10 018 936	3,5	338 884
-Textiles	3 845 297	4 066 935	5,8	221 638
-Wearing apparel	3 817 899	3 936 468	3,1	118 569
-Leather and leather products	1 054 196	1 047 544	-0,6	-6 652
-Footwear	962 660	967 988	0,6	5 328
Wood and wood products, paper, publishing and printing	26 839 518	27 109 587	1,0	270 069
-Wood and products of wood	5 811 016	5 958 939	2,5	147 923
-Paper and paper products	11 723 640	11 922 438	1,7	198 798
-Publishing and printing	9 304 861	9 228 209	-0,8	-76 652
Petroleum, chemical products, rubber and plastic products	83 140 231	79 414 159	-4,5	-3 726 072
-Coke, petroleum products and nuclear fuel	34 104 954	29 706 575	-12,9	-4 398 379
-Basic chemicals	16 931 280	16 672 863	-1,5	-258 417
-Other chemical products	17 778 906	17 903 809	0,7	124 903
-Rubber products	3 351 410	3 820 880	14,0	469 470
-Plastic products	10 973 681	11 310 031	3,1	336 350
Glass and non-metallic mineral products	10 358 660	10 822 489	4,5	463 829
-Glass and glass products	1 671 478	1 859 473	11,2	187 995
-Non-metallic mineral products	8 687 181	8 963 016	3,2	275 835
Basic iron and steel, non-ferrous metal products, metal products and machinery	75 732 245	71 943 245	-5,0	-3 789 000
-Basic iron and steel products	24 625 368	20 596 158	-16,4	-4 029 210
-Basic precious, non-ferrous metal products	15 188 508	15 166 328	-0,1	-22 180
-Fabricated metal products	18 074 819	18 522 549	2,5	447 730
-Machinery and equipment	17 843 549	17 658 210	-1,0	-185 339
Electrical machinery	10 011 142	10 371 608	3,6	360 466
Radio, television and communication apparatus and professional equipment	3 560 668	4 169 280	17,1	608 612
-Radio, television and communication apparatus	1 645 398	2 232 533	35,7	587 135
-Professional equipment	1 915 270	1 936 747	1,1	21 477
Motor vehicles, parts and accessories and other transport equipment	41 315 064	46 193 270	11,8	4 878 206
-Motor vehicles, trailers, parts and accessories	37 181 504	41 655 395	12,0	4 473 891
-Other transport equipment	4 133 559	4 537 876	9,8	404 317
Furniture and other manufacturing division	14 619 650	14 630 625	0,1	10 975
-Furniture	2 818 846	2 864 979	1,6	46 133
-Other manufacturing groups	11 800 804	11 765 645	-0,3	-35 159
Total	340 586 767	343 389 300	0,8	2 802 533

Figure 2 – Total estimated sales of the manufacturing industry at current prices: 2005 – 2011



PJ Lehohla
Statistician-General

Detailed results

Table 1 – Total index of the physical volume of manufacturing production: 2005 – 2011

Base: 2005=100

Month	2005	2006	2007	2008	2009	2010	2011
Jan	84,8	89,7	95,0	95,9	83,4	85,9	88,0
Feb	95,2	96,7	104,7	108,5	91,5	93,7	99,7
Mar	101,2	106,2	113,6	111,9	98,3	104,7	110,4
Apr	96,5	95,6	101,0	111,9	87,1	94,6	94,7
May	100,4	104,3	113,4	114,3	94,2	101,9	102,8
Jun	100,3	106,7	109,2	115,1	94,9	103,8	104,9
Jul	101,1	107,4	111,2	115,2	98,9	106,0	1/ 99,5
Aug	103,5	108,8	114,4	114,9	96,7	101,7	1/ 107,7
Sep	107,6	109,7	108,9	114,2	100,7	102,1	1/ 110,0
Oct	107,1	117,0	124,1	121,1	109,1	111,8	
Nov	110,8	119,1	124,3	114,3	108,4	113,7	
Dec	91,4	96,6	96,5	87,8	90,2	90,9	
Year	100,0	104,8	109,7	110,4	96,1	100,9	

1/ Preliminary.

Table 2 – Annual percentage change in the total index of the physical volume of manufacturing production: 2005 – 2011 2/

Month	2005	2006	2007	2008	2009	2010	2011
Jan	2,4	5,8	5,9	0,9	-13,0	3,0	2,4
Feb	3,8	1,6	8,3	3,6	-15,7	2,4	6,4
Mar	0,0	4,9	7,0	-1,5	-12,2	6,5	5,4
Apr	8,3	-0,9	5,6	10,8	-22,2	8,6	0,1
May	1,6	3,9	8,7	0,8	-17,6	8,2	0,9
Jun	2,7	6,4	2,3	5,4	-17,5	9,4	1,1
Jul	1,0	6,2	3,5	3,6	-14,1	7,2	-6,1
Aug	3,2	5,1	5,1	0,4	-15,8	5,2	5,9
Sep	5,3	2,0	-0,7	4,9	-11,8	1,4	7,7
Oct	-1,0	9,2	6,1	-2,4	-9,9	2,5	
Nov	3,3	7,5	4,4	-8,0	-5,2	4,9	
Dec	5,1	5,7	-0,1	-9,0	2,7	0,8	
Year	2,9	4,8	4,7	0,6	-13,0	5,0	

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: 2005 – 2011

Base: 2005=100

Month	2005	2006	2007	2008	2009	2010	2011
Jan	96,7	103,1	109,9	111,6	97,8	100,6	103,3
Feb	99,2	101,1	109,8	114,0	96,2	98,6	104,9
Mar	98,1	103,0	110,2	108,5	95,1	101,0	106,5
Apr	102,9	101,6	107,9	120,0	93,4	101,8	101,9
May	99,5	103,5	112,6	113,6	93,8	101,6	102,5
Jun	99,7	105,7	108,0	113,5	93,6	102,3	103,5
Jul	99,5	105,4	108,8	112,7	96,6	103,6	97,2
Aug	100,3	105,1	110,6	111,5	94,0	99,0	105,1
Sep	103,9	105,6	104,8	110,0	96,7	98,2	105,3
Oct	96,7	105,4	111,5	108,3	97,8	99,7	
Nov	99,9	107,5	112,1	102,6	98,1	102,3	
Dec	103,4	109,6	109,3	97,7	100,9	102,1	

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

Base: 2005=100

Manufacturing divisions and major groups	Weights 2005	Average for 2010	Actual indices			Seasonally adjusted indices		
			September 2010	1/ August 2011	1/ September 2011	September 2010	August 2011	September 2011
Food and beverages	15,4	116,5	126,4	127,4	128,8	118,7	127,5	120,5
-Meat, fish, fruit, etc.	1,8	115,4	117,7	125,3	122,9	116,5	127,0	121,3
-Dairy products	0,8	111,6	119,8	116,0	128,6	115,2	116,2	123,4
-Grain mill products	0,8	110,4	119,8	115,9	116,3	114,3	117,5	110,6
-Other food products	5,2	116,4	130,8	140,6	132,9	117,8	122,5	119,6
-Beverages	6,8	118,2	127,0	120,6	128,8	120,9	134,0	122,0
Textiles, clothing, leather and footwear	4,9	84,1	86,3	85,1	87,9	82,8	84,2	84,3
-Textiles	0,7	66,5	66,9	62,1	60,4	66,5	61,2	59,9
-Other textile products	0,9	73,1	72,3	74,6	81,8	70,5	72,6	79,5
-Knitted, crocheted articles	0,2	103,6	93,1	83,4	79,9	98,3	89,7	84,9
-Wearing apparel	2,1	86,5	92,9	89,8	88,6	87,3	89,1	83,3
-Leather and leather products	0,6	90,4	83,7	88,7	95,8	86,4	91,6	99,3
-Footwear	0,4	107,3	115,5	115,6	132,1	101,6	107,8	116,1
Wood and wood products, paper, publishing and printing	10,2	96,6	103,5	92,9	106,6	97,0	91,7	99,6
-Sawmilling and planing of wood	0,7	84,0	86,4	92,1	94,9	83,2	87,7	91,1
-Products of wood	1,3	87,7	94,4	89,2	94,4	87,2	85,4	87,0
-Paper and paper products	3,8	113,3	121,9	102,7	128,2	112,9	102,4	118,3
-Publishing	1,9	81,1	86,4	79,9	84,8	82,5	81,4	81,0
-Printing, recorded media	2,5	90,6	97,5	89,5	99,0	92,4	87,4	93,7
Petroleum, chemical products, rubber and plastic products	22,1	111,3	111,7	116,7	114,3	112,7	112,7	113,7
-Coke, petroleum products and nuclear fuel	8,5	92,8	94,3	92,0	74,3	106,0	85,9	83,7
-Basic chemicals	4,5	126,2	119,6	136,5	138,1	114,4	131,1	132,0
-Other chemical products	5,3	117,2	126,8	123,0	135,4	120,0	123,6	127,7
-Rubber products	1,0	82,5	49,9	95,6	112,1	47,2	96,1	105,7
-Plastic products	2,7	143,4	145,6	156,2	159,7	139,4	150,6	152,7
Glass and non-metallic mineral products	4,8	93,9	101,7	105,3	107,2	94,3	98,7	99,1
-Glass and glass products	1,0	120,7	134,7	117,9	123,9	127,3	116,9	117,0
-Non-metallic mineral products	3,8	87,2	93,5	102,2	103,0	86,1	94,1	94,6
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	89,3	90,5	91,3	96,2	86,2	88,8	91,5
-Basic iron and steel products	7,7	80,1	74,2	62,2	74,0	70,3	59,2	70,4
-Non-ferrous metal products	3,4	100,3	105,7	118,8	113,5	103,5	117,9	110,9
-Structural metal products	2,0	92,9	100,1	98,3	99,5	94,6	94,6	94,3
-Other fabricated metal products	3,8	106,4	107,4	118,9	120,6	104,3	120,1	116,9
-General purpose machinery	2,4	70,1	74,8	78,2	82,2	69,6	74,5	76,2
-Special purpose machinery	3,1	89,5	96,5	100,4	107,1	88,7	94,9	97,7
-Household appliances	0,6	98,4	106,9	114,2	116,8	102,0	108,9	111,4
Electrical machinery	2,5	127,7	137,7	135,2	152,3	125,8	128,9	138,1
Radio, television and communication apparatus and professional equipment	1,1	94,6	100,5	115,5	129,1	92,9	113,8	119,4
-Radio, television and communication apparatus	0,4	93,1	90,8	121,1	144,8	84,8	122,6	134,8
-Professional equipment	0,7	95,7	106,7	112,0	119,1	98,0	108,2	109,6
Motor vehicles, parts and accessories and other transport equipment	10,9	95,7	75,9	118,4	114,7	74,0	114,7	112,1
-Motor vehicles	4,9	85,5	60,4	112,1	111,3	61,6	110,3	114,2
-Bodies for motor vehicles, trailers and semi-trailers	0,5	118,9	120,4	133,4	141,0	111,9	127,1	131,6
-Parts and accessories	4,7	100,2	79,4	115,5	117,1	72,6	110,3	107,0
-Other transport equipment	0,9	115,0	116,5	158,2	108,1	126,3	152,9	116,8
Furniture and other manufacturing division	5,2	91,8	91,7	98,9	92,0	87,9	97,5	89,2
-Furniture	1,3	92,1	99,8	95,6	99,8	93,7	94,0	93,4
-Other manufacturing groups	3,9	91,7	89,0	99,9	89,5	86,0	98,6	87,8
Total	100,0	100,9	102,1	107,7	110,0	98,2	105,1	105,3

1/ Preliminary.

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

Base: 2005=100

Manufacturing divisions and major groups	Weights 2005	Average for 2010	Actual indices			Seasonally adjusted indices		
			September 2010	1/ September 2011	Percentage change between September 2010 and September 2011	August 2011	September 2011	Percentage change between August and September 2011
Food and beverages	15,4	116,5	126,4	128,8	1,9	127,5	120,5	-5,5
-Meat, fish, fruit, etc.	1,8	115,4	117,7	122,9	4,4	127,0	121,3	-4,5
-Dairy products	0,8	111,6	119,8	128,6	7,3	116,2	123,4	6,2
-Grain mill products	0,8	110,4	119,8	116,3	-2,9	117,5	110,6	-5,9
-Other food products	5,2	116,4	130,8	132,9	1,6	122,5	119,6	-2,4
-Beverages	6,8	118,2	127,0	128,8	1,4	134,0	122,0	-9,0
Textiles, clothing, leather and footwear	4,9	84,1	86,3	87,9	1,9	84,2	84,3	0,1
-Textiles	0,7	66,5	66,9	60,4	-9,7	61,2	59,9	-2,1
-Other textile products	0,9	73,1	72,3	81,8	13,1	72,6	79,5	9,5
-Knitted, crocheted articles	0,2	103,6	93,1	79,9	-14,2	89,7	84,9	-5,4
-Wearing apparel	2,1	86,5	92,9	88,6	-4,6	89,1	83,3	-6,5
-Leather and leather products	0,6	90,4	83,7	95,8	14,5	91,6	99,3	8,4
-Footwear	0,4	107,3	115,5	132,1	14,4	107,8	116,1	7,7
Wood and wood products, paper, publishing and printing	10,2	96,6	103,5	106,6	3,0	91,7	99,6	8,6
-Sawmilling and planing of wood	0,7	84,0	86,4	94,9	9,8	87,7	91,1	3,9
-Products of wood	1,3	87,7	94,4	94,4	0,0	85,4	87,0	1,9
-Paper and paper products	3,8	113,3	121,9	128,2	5,2	102,4	118,3	15,5
-Publishing	1,9	81,1	86,4	84,8	-1,9	81,4	81,0	-0,5
-Printing, recorded media	2,5	90,6	97,5	99,0	1,5	87,4	93,7	7,2
Petroleum, chemical products, rubber and plastic products	22,1	111,3	111,7	114,3	2,3	112,7	113,7	0,9
-Coke, petroleum products and nuclear fuel	8,5	92,8	94,3	74,3	-21,2	85,9	83,7	-2,6
-Basic chemicals	4,5	126,2	119,6	138,1	15,5	131,1	132,0	0,7
-Other chemical products	5,3	117,2	126,8	135,4	6,8	123,6	127,7	3,3
-Rubber products	1,0	82,5	49,9	112,1	124,6	96,1	105,7	10,0
-Plastic products	2,7	143,4	145,6	159,7	9,7	150,6	152,7	1,4
Glass and non-metallic mineral products	4,8	93,9	101,7	107,2	5,4	98,7	99,1	0,4
-Glass and glass products	1,0	120,7	134,7	123,9	-8,0	116,9	117,0	0,1
-Non-metallic mineral products	3,8	87,2	93,5	103,0	10,2	94,1	94,6	0,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	89,3	90,5	96,2	6,3	88,8	91,5	3,0
-Basic iron and steel products	7,7	80,1	74,2	74,0	-0,3	59,2	70,4	18,9
-Non-ferrous metal products	3,4	100,3	105,7	113,5	7,4	117,9	110,9	-5,9
-Structural metal products	2,0	92,9	100,1	99,5	-0,6	94,6	94,3	-0,3
-Other fabricated metal products	3,8	106,4	107,4	120,6	12,3	120,1	116,9	-2,7
-General purpose machinery	2,4	70,1	74,8	82,2	9,9	74,5	76,2	2,3
-Special purpose machinery	3,1	89,5	96,5	107,1	11,0	94,9	97,7	3,0
-Household appliances	0,6	98,4	106,9	116,8	9,3	108,9	111,4	2,3
Electrical machinery	2,5	127,7	137,7	152,3	10,6	128,9	138,1	7,1
Radio, television and communication apparatus and professional equipment	1,1	94,6	100,5	129,1	28,5	113,8	119,4	4,9
-Radio, television and communication apparatus	0,4	93,1	90,8	144,8	59,5	122,6	134,8	10,0
-Professional equipment	0,7	95,7	106,7	119,1	11,6	108,2	109,6	1,3
Motor vehicles, parts and accessories and other transport equipment	10,9	95,7	75,9	114,7	51,1	114,7	112,1	-2,3
-Motor vehicles	4,9	85,5	60,4	111,3	84,3	110,3	114,2	3,5
-Bodies for motor vehicles, trailers and semi-trailers	0,5	118,9	120,4	141,0	17,1	127,1	131,6	3,5
-Parts and accessories	4,7	100,2	79,4	117,1	47,5	110,3	107,0	-3,0
-Other transport equipment	0,9	115,0	116,5	108,1	-7,2	152,9	116,8	-23,6
Furniture and other manufacturing division	5,2	91,8	91,7	92,0	0,3	97,5	89,2	-8,5
-Furniture	1,3	92,1	99,8	99,8	0,0	94,0	93,4	-0,6
-Other manufacturing groups	3,9	91,7	89,0	89,5	0,6	98,6	87,8	-11,0
Total	100,0	100,9	102,1	110,0	7,7	105,1	105,3	0,2

1/ Preliminary.

Table 5 – Total estimated sales of the manufacturing industry at current prices (R'000): 2005 – 2011

Month	2005	2006	2007	2008	2009	2010	2011
Jan	60 642 593	67 351 678	81 459 988	91 280 084	85 793 294	86 836 064	92 863 625
Feb	70 167 086	74 930 635	93 134 142	108 137 770	97 350 713	97 825 640	107 158 143
Mar	74 589 427	83 169 373	100 113 755	114 652 520	105 127 970	110 232 624	121 108 364
Apr	73 611 723	74 690 973	90 606 196	116 896 823	90 156 553	97 707 572	103 921 168
May	75 830 084	83 925 122	101 641 507	120 173 410	96 487 420	105 089 142	113 377 474
Jun	77 338 913	87 683 125	98 764 796	124 811 522	98 161 671	109 279 984	117 502 258
Jul	77 298 647	88 860 703	99 325 320	128 335 265	99 715 325	108 621 205	1/ 108 618 049
Aug	79 781 239	92 520 358	104 978 175	126 167 640	100 731 886	106 288 802	1/ 119 996 438
Sep	82 859 539	94 724 833	100 538 717	125 588 533	104 781 622	108 523 831	1/ 126 548 052
Oct	82 759 631	99 968 405	113 462 255	131 772 450	109 759 231	116 804 203	
Nov	86 473 327	103 494 740	116 007 502	122 615 454	111 844 877	121 292 114	
Dec	73 429 961	82 554 715	91 954 469	95 903 778	95 002 438	99 664 494	
Year	914 782 170	1 033 874 660	1 191 986 822	1 406 335 249	1 194 913 000	1 268 165 675	

1/ Preliminary.

Table 6 – Annual percentage change in the total estimated value of sales of the manufacturing industry: 2005 – 2011 2/

Month	2005	2006	2007	2008	2009	2010	2011
Jan	4,6	11,1	20,9	12,1	-6,0	1,2	6,9
Feb	3,8	6,8	24,3	16,1	-10,0	0,5	9,5
Mar	0,4	11,5	20,4	14,5	-8,3	4,9	9,9
Apr	11,0	1,5	21,3	29,0	-22,9	8,4	6,4
May	4,8	10,7	21,1	18,2	-19,7	8,9	7,9
Jun	7,0	13,4	12,6	26,4	-21,4	11,3	7,5
Jul	6,1	15,0	11,8	29,2	-22,3	8,9	0,0
Aug	8,6	16,0	13,5	20,2	-20,2	5,5	12,9
Sep	7,8	14,3	6,1	24,9	-16,6	3,6	16,6
Oct	4,4	20,8	13,5	16,1	-16,7	6,4	
Nov	6,1	19,7	12,1	5,7	-8,8	8,4	
Dec	9,7	12,4	11,4	4,3	-0,9	4,9	
Year	6,1	13,0	15,3	18,0	-15,0	6,1	

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): 2005 – 2011

Month	2005	2006	2007	2008	2009	2010	2011
Jan	72 002 338	80 099 460	96 855 589	108 409 158	102 567 324	103 698 024	110 709 439
Feb	73 067 567	78 223 564	97 542 754	113 646 848	102 045 652	102 428 322	112 501 379
Mar	72 755 066	81 081 906	97 268 618	111 315 428	101 634 839	106 004 250	116 663 068
Apr	78 216 167	79 655 386	96 915 456	125 321 172	96 934 037	105 290 255	112 024 001
May	75 537 423	83 674 685	101 195 378	119 528 364	96 816 446	105 404 826	113 729 859
Jun	76 288 251	86 222 624	96 779 297	121 752 750	96 126 557	106 836 809	114 832 907
Jul	76 137 489	87 197 294	97 282 072	125 108 112	97 678 273	106 359 088	106 379 713
Aug	77 362 303	89 420 684	101 523 248	121 758 530	97 829 184	103 789 214	117 416 567
Sep	78 584 510	89 699 493	95 299 607	119 059 597	99 282 674	102 568 066	119 593 020
Oct	75 365 172	90 903 879	102 950 292	119 326 162	99 500 282	105 729 979	
Nov	77 598 166	93 212 116	104 576 302	110 511 675	101 049 919	109 581 927	
Dec	81 378 473	92 561 617	103 248 125	106 519 428	104 879 575	110 259 635	

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 2010	Actual values			Seasonally adjusted values		
		September 2010	1/ August 2011	1/ September 2011	September 2010	August 2011	September 2011
Food and beverages	248 528 861	21 666 886	23 001 232	24 249 271	20 990 932	23 407 879	23 413 834
-Meat, fish, fruit, etc.	67 147 429	5 810 576	6 484 409	6 724 603	5 695 581	6 536 914	6 580 297
-Dairy products	22 395 405	1 920 587	1 949 687	2 150 777	1 863 102	1 966 899	2 084 254
-Grain mill products	41 968 004	3 719 759	4 122 601	4 231 349	3 584 348	4 163 058	4 056 261
-Other food products	55 507 821	4 800 704	5 102 553	5 275 803	4 610 020	4 938 098	5 045 344
-Beverages	61 510 202	5 415 260	5 341 982	5 866 739	5 237 881	5 802 910	5 647 679
Textiles, clothing, leather and footwear	39 304 498	3 318 874	3 346 382	3 556 904	3 209 055	3 347 657	3 438 819
-Textiles	4 434 749	377 346	370 812	375 328	372 229	364 662	370 183
-Other textile products	11 285 992	907 995	949 704	1 066 047	909 080	967 693	1 064 717
-Knitted, crocheted articles	1 789 747	132 061	137 625	140 600	140 890	150 947	150 602
-Wearing apparel	14 242 260	1 243 815	1 206 561	1 214 565	1 182 489	1 192 009	1 155 172
-Leather and leather products	3 889 005	322 585	346 892	377 820	310 253	352 218	363 291
-Footwear	3 662 745	335 072	334 788	382 544	294 114	320 127	334 853
Wood and wood products, paper, publishing and printing	106 468 918	9 682 595	8 918 147	10 359 046	8 916 806	8 831 231	9 509 239
-Sawmilling and planing of wood	7 812 905	716 065	730 433	793 179	665 932	702 508	733 192
-Products of wood	14 991 913	1 357 956	1 311 598	1 421 808	1 236 525	1 259 822	1 291 716
-Paper and paper products	47 058 025	4 423 272	3 860 637	4 869 820	3 950 810	3 870 219	4 338 151
-Publishing	15 802 072	1 338 104	1 301 212	1 373 499	1 300 382	1 306 817	1 335 561
-Printing, recorded media	20 804 003	1 847 198	1 714 267	1 900 740	1 763 157	1 691 865	1 810 619
Petroleum, chemical products, rubber and plastic products	280 737 508	24 353 199	28 670 192	29 952 017	23 007 671	26 954 880	28 374 081
-Coke, petroleum products and nuclear fuel	96 580 234	8 045 552	11 242 702	11 322 683	7 777 099	9 679 138	10 997 659
-Basic chemicals	60 460 303	5 516 125	5 897 533	6 406 811	5 042 514	5 879 889	5 848 677
-Other chemical products	69 496 277	6 299 815	6 127 155	6 668 280	5 933 696	6 123 143	6 260 146
-Rubber products	12 022 322	814 026	1 304 594	1 387 664	790 499	1 275 365	1 342 707
-Plastic products	42 178 372	3 677 681	4 098 208	4 166 579	3 463 864	3 997 345	3 924 892
Glass and non-metallic mineral products	40 233 221	3 734 965	3 905 295	4 067 207	3 410 312	3 663 073	3 702 909
-Glass and glass products	6 779 588	655 289	597 305	690 291	588 870	597 827	620 750
-Non-metallic mineral products	33 453 633	3 079 676	3 307 990	3 376 916	2 821 442	3 065 246	3 082 159
Basic iron and steel, non-ferrous metal products, metal products and machinery	283 445 050	24 869 971	26 268 971	27 886 434	22 905 182	25 168 647	25 604 696
-Basic iron and steel products	94 329 950	7 876 845	7 794 088	8 120 980	7 169 000	7 026 909	7 369 236
-Non-ferrous metal products	50 105 316	4 754 629	5 211 456	6 001 884	4 270 516	5 265 074	5 363 703
-Structural metal products	26 008 715	2 326 319	2 516 157	2 595 996	2 204 115	2 402 009	2 469 210
-Other fabricated metal products	45 003 323	3 847 491	4 373 229	4 358 050	3 646 485	4 326 604	4 127 683
-General purpose machinery	28 248 527	2 529 836	2 643 976	2 887 292	2 350 631	2 504 915	2 676 001
-Special purpose machinery	30 812 487	2 734 518	2 897 859	3 085 854	2 498 158	2 815 078	2 801 148
-Household appliances	8 936 732	800 333	832 206	836 378	766 277	828 058	797 715
-Electrical machinery	39 093 760	3 494 631	3 666 775	4 168 836	3 200 567	3 528 379	3 802 402
Radio, television and communication apparatus and professional equipment	13 828 914	1 233 600	1 470 144	1 588 175	1 122 071	1 423 075	1 440 699
-Radio, television and communication apparatus	6 843 071	585 200	801 528	877 910	525 967	778 636	787 191
-Professional equipment	6 985 843	648 400	668 616	710 265	596 104	644 439	653 508
Motor vehicles, parts and accessories and other transport equipment	161 650 617	11 592 685	15 590 397	15 722 849	11 441 067	16 048 262	15 528 367
-Motor vehicles	82 269 350	5 639 679	7 354 903	8 014 617	5 568 388	7 985 476	7 958 891
-Bodies for motor vehicles, trailers and semi-trailers	7 611 222	633 882	741 786	759 076	593 775	692 759	713 894
-Parts and accessories	56 427 275	4 014 219	5 619 636	5 666 870	3 857 676	5 570 268	5 461 189
-Other transport equipment	15 342 770	1 304 905	1 874 072	1 282 286	1 421 229	1 799 760	1 394 394
Furniture and other manufacturing division	54 874 328	4 576 425	5 158 903	4 997 313	4 364 403	5 043 484	4 777 974
-Furniture	10 639 747	954 708	975 092	1 026 406	903 173	964 410	969 585
-Other manufacturing groups	44 234 581	3 621 717	4 183 811	3 970 907	3 461 230	4 079 074	3 808 389
Total	1 268 165 675	108 523 831	119 996 438	126 548 052	102 568 066	117 416 567	119 593 020

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 2010	Actual values			Seasonally adjusted values		
		September 2010	1/ September 2011	Percentage change between September 2010 and September 2011	August 2011	September 2011	Percentage change between August and September 2011
Food and beverages	248 528 861	21 666 886	24 249 271	11,9	23 407 879	23 413 834	0,0
-Meat, fish, fruit, etc.	67 147 429	5 810 576	6 724 603	15,7	6 536 914	6 580 297	0,7
-Dairy products	22 395 405	1 920 587	2 150 777	12,0	1 966 899	2 084 254	6,0
-Grain mill products	41 968 004	3 719 759	4 231 349	13,8	4 163 058	4 056 261	-2,6
-Other food products	55 507 821	4 800 704	5 275 803	9,9	4 938 098	5 045 344	2,2
-Beverages	61 510 202	5 415 260	5 866 739	8,3	5 802 910	5 647 679	-2,7
Textiles, clothing, leather and footwear	39 304 498	3 318 874	3 556 904	7,2	3 347 657	3 438 819	2,7
-Textiles	4 434 749	377 346	375 328	-0,5	364 662	370 183	1,5
-Other textile products	11 285 992	907 995	1 066 047	17,4	967 693	1 064 717	10,0
-Knitted, crocheted articles	1 789 747	132 061	140 600	6,5	150 947	150 602	-0,2
-Wearing apparel	14 242 260	1 243 815	1 214 565	-2,4	1 192 009	1 155 172	-3,1
-Leather and leather products	3 889 005	322 585	377 820	17,1	352 218	363 291	3,1
-Footwear	3 662 745	335 072	382 544	14,2	320 127	334 853	4,6
Wood and wood products, paper, publishing and printing	106 468 918	9 682 595	10 359 046	7,0	8 831 231	9 509 239	7,7
-Sawmilling and planing of wood	7 812 905	716 065	793 179	10,8	702 508	733 192	4,4
-Products of wood	14 991 913	1 357 956	1 421 808	4,7	1 259 822	1 291 716	2,5
-Paper and paper products	47 058 025	4 423 272	4 869 820	10,1	3 870 219	4 338 151	12,1
-Publishing	15 802 072	1 338 104	1 373 499	2,6	1 306 817	1 335 561	2,2
-Printing, recorded media	20 804 003	1 847 198	1 900 740	2,9	1 691 865	1 810 619	7,0
Petroleum, chemical products, rubber and plastic products	280 737 508	24 353 199	29 952 017	23,0	26 954 880	28 374 081	5,3
-Coke, petroleum products and nuclear fuel	96 580 234	8 045 552	11 322 683	40,7	9 679 138	10 997 659	13,6
-Basic chemicals	60 460 303	5 516 125	6 406 811	16,1	5 879 889	5 848 677	-0,5
-Other chemical products	69 496 277	6 299 815	6 668 280	5,8	6 123 143	6 260 146	2,2
-Rubber products	12 022 322	814 026	1 387 664	70,5	1 275 365	1 342 707	5,3
-Plastic products	42 178 372	3 677 681	4 166 579	13,3	3 997 345	3 924 892	-1,8
Glass and non-metallic mineral products	40 233 221	3 734 965	4 067 207	8,9	3 663 073	3 702 909	1,1
-Glass and glass products	6 779 588	655 289	690 291	5,3	597 827	620 750	3,8
-Non-metallic mineral products	33 453 633	3 079 676	3 376 916	9,7	3 065 246	3 082 159	0,6
Basic iron and steel, non-ferrous metal products, metal products and machinery	283 445 050	24 869 971	27 886 434	12,1	25 168 647	25 604 696	1,7
-Basic iron and steel products	94 329 950	7 876 845	8 120 980	3,1	7 026 909	7 369 236	4,9
-Non-ferrous metal products	50 105 316	4 754 629	6 001 884	26,2	5 265 074	5 363 703	1,9
-Structural metal products	26 008 715	2 326 319	2 595 996	11,6	2 402 009	2 469 210	2,8
-Other fabricated metal products	45 003 323	3 847 491	4 358 050	13,3	4 326 604	4 127 683	-4,6
-General purpose machinery	28 248 527	2 529 836	2 887 292	14,1	2 504 915	2 676 001	6,8
-Special purpose machinery	30 812 487	2 734 518	3 085 854	12,8	2 815 078	2 801 148	-0,5
-Household appliances	8 936 732	800 333	836 378	4,5	828 058	797 715	-3,7
-Electrical machinery	39 093 760	3 494 631	4 168 836	19,3	3 528 379	3 802 402	7,8
Radio, television and communication apparatus and professional equipment	13 828 914	1 233 600	1 588 175	28,7	1 423 075	1 440 699	1,2
-Radio, television and communication apparatus	6 843 071	585 200	877 910	50,0	778 636	787 191	1,1
-Professional equipment	6 985 843	648 400	710 265	9,5	644 439	653 508	1,4
Motor vehicles, parts and accessories and other transport equipment	161 650 617	11 592 685	15 722 849	35,6	16 048 262	15 528 367	-3,2
-Motor vehicles	82 269 350	5 639 679	8 014 617	42,1	7 985 476	7 958 891	-0,3
-Bodies for motor vehicles, trailers and semi-trailers	7 611 222	633 882	759 076	19,8	692 759	713 894	3,1
-Parts and accessories	56 427 275	4 014 219	5 666 870	41,2	5 570 268	5 461 189	-2,0
-Other transport equipment	15 342 770	1 304 905	1 282 286	-1,7	1 799 760	1 394 394	-22,5
Furniture and other manufacturing division	54 874 328	4 576 425	4 997 313	9,2	5 043 484	4 777 974	-5,3
-Furniture	10 639 747	954 708	1 026 406	7,5	964 410	969 585	0,5
-Other manufacturing groups	44 234 581	3 621 717	3 970 907	9,6	4 079 074	3 808 389	-6,6
Total	1 268 165 675	108 523 831	126 548 052	16,6	117 416 567	119 593 020	1,9

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 2005	Production indices (base: 2005=100)			Value of sales (R'000)		
		Jul. to Sep. 2010	Jul. to Sep. 2011	Annual percentage change between Jul. to Sep. 2010 and Jul. to Sep. 2011	Jul. to Sep. 2010	Jul. to Sep. 2011	Annual percentage change between Jul. to Sep. 2010 and Jul. to Sep. 2011
Food and beverages	15,4	118,8	122,2	2,9	62 240 881	68 523 357	10,1
-Meat, fish, fruit, etc.	1,8	116,1	122,4	5,4	17 041 129	19 272 389	13,1
-Dairy products	0,8	113,2	117,8	4,1	5 729 884	5 997 568	4,7
-Grain mill products	0,8	115,2	112,6	-2,3	10 716 916	12 109 119	13,0
-Other food products	5,2	132,4	130,9	-1,1	14 376 982	15 360 753	6,8
-Beverages	6,8	110,4	117,1	6,1	14 375 970	15 783 528	9,8
Textiles, clothing, leather and footwear	4,9	84,6	85,2	0,7	9 763 539	10 148 660	3,9
-Textiles	0,7	67,6	61,0	-9,8	1 123 515	1 102 852	-1,8
-Other textile products	0,9	72,6	76,5	5,4	2 739 837	2 984 443	8,9
-Knitted, crocheted articles	0,2	93,8	82,2	-12,4	401 652	417 417	3,9
-Wearing apparel	2,1	87,6	87,3	-0,3	3 579 314	3 554 727	-0,7
-Leather and leather products	0,6	88,1	92,2	4,7	951 938	1 054 279	10,8
-Footwear	0,4	113,8	122,3	7,5	967 283	1 034 942	7,0
Wood and wood products, paper, publishing and printing	10,2	102,1	96,8	-5,2	28 191 926	27 994 339	-0,7
-Sawmilling and planing of wood	0,7	88,6	92,4	4,3	2 054 849	2 247 665	9,4
-Products of wood	1,3	93,5	89,7	-4,1	3 967 003	4 023 295	1,4
-Paper and paper products	3,8	118,5	109,7	-7,4	12 481 234	12 393 808	-0,7
-Publishing	1,9	81,5	82,5	1,2	3 925 453	4 007 196	2,1
-Printing, recorded media	2,5	100,4	92,3	-8,1	5 763 387	5 322 375	-7,7
Petroleum, chemical products, rubber and plastic products	22,1	116,9	114,8	-1,8	74 260 582	84 152 672	13,3
-Coke, petroleum products and nuclear fuel	8,5	103,1	89,2	-13,5	26 734 341	32 875 744	23,0
-Basic chemicals	4,5	130,4	134,4	3,1	15 769 957	17 283 690	9,6
-Other chemical products	5,3	119,9	122,3	2,0	17 925 642	18 301 371	2,1
-Rubber products	1,0	78,0	104,0	33,3	2 991 203	3 977 803	33,0
-Plastic products	2,7	145,8	151,8	4,1	10 839 439	11 714 064	8,1
Glass and non-metallic mineral products	4,8	100,9	104,6	3,7	10 969 289	11 615 853	5,9
-Glass and glass products	1,0	123,0	121,2	-1,5	1 741 170	1 893 531	8,8
-Non-metallic mineral products	3,8	95,4	100,5	5,3	9 228 119	9 722 322	5,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	90,8	89,7	-1,2	71 952 528	76 121 995	5,8
-Basic iron and steel products	7,7	76,7	67,4	-12,1	22 557 484	22 225 353	-1,5
-Non-ferrous metal products	3,4	103,0	112,4	9,1	13 119 071	15 852 033	20,8
-Structural metal products	2,0	99,0	94,2	-4,8	6 908 741	7 299 430	5,7
-Other fabricated metal products	3,8	111,9	112,3	0,4	11 811 812	12 270 888	3,9
-General purpose machinery	2,4	73,2	74,0	1,1	7 333 810	7 617 479	3,9
-Special purpose machinery	3,1	92,7	98,6	6,4	7 926 578	8 533 172	7,7
-Household appliances	0,6	102,5	106,6	4,0	2 295 032	2 323 640	1,2
Electrical machinery	2,5	135,7	136,5	0,6	10 435 115	11 063 542	6,0
Radio, television and communication apparatus and professional equipment	1,1	100,5	118,2	17,6	3 660 140	4 375 851	19,6
-Radio, television and communication apparatus	0,4	93,2	126,6	35,8	1 732 484	2 349 058	35,6
-Professional equipment	0,7	105,2	112,9	7,3	1 927 656	2 026 793	5,1
Motor vehicles, parts and accessories and other transport equipment	10,9	89,5	111,9	25,0	38 288 204	46 225 522	20,7
-Motor vehicles	4,9	76,6	107,9	40,9	18 857 164	23 303 921	23,6
-Bodies for motor vehicles, trailers and semi-trailers	0,5	122,8	129,8	5,7	1 986 949	2 154 150	8,4
-Parts and accessories	4,7	94,2	111,6	18,5	13 514 363	16 308 162	20,7
-Other transport equipment	0,9	116,9	125,6	7,4	3 929 728	4 459 289	13,5
Furniture and other manufacturing division	5,2	90,9	96,0	5,6	13 671 634	14 940 748	9,3
-Furniture	1,3	97,1	95,8	-1,3	2 789 045	2 961 751	6,2
-Other manufacturing groups	3,9	88,8	96,0	8,1	10 882 589	11 978 997	10,1
Total	100,0	103,3	105,7	2,3	323 433 838	355 162 539	9,8

Table 10 – Annual percentage change in the cumulative physical volume of manufacturing production and estimated sales according to manufacturing divisions and major groups

Manufacturing divisions and major groups	Weights	Indices (base: 2005=100)				Value of sales (R million)			
		Jan. to Sep. 2010	Jan. to Sep. 2011	Annual percentage change between 2010 and 2011	Contribution (percentage points)	Jan. to Sep. 2010	Jan. to Sep. 2011	Annual percentage change between 2010 and 2011	Difference in sales between 2010 and 2011
Food and beverages	15,4	111,3	113,2	1,7	0,3	178 097	191 550	7,6	13 453
-Meat, fish, fruit, etc.	1,8	112,4	117,0	4,1	0,1	48 397	53 603	10,8	5 206
-Dairy products	0,8	106,9	112,2	5,0	0,0	16 176	17 052	5,4	876
-Grain mill products	0,8	109,7	106,8	-2,6	0,0	31 028	33 455	7,8	2 427
-Other food products	5,2	113,3	113,3	0,0	0,0	40 254	42 679	6,0	2 425
-Beverages	6,8	110,1	113,0	2,6	0,2	42 243	44 761	6,0	2 518
Textiles, clothing, leather and footwear	4,9	83,3	80,6	-3,2	-0,1	29 052	28 607	-1,5	-445
-Textiles	0,7	67,9	61,1	-10,0	0,0	3 365	3 327	-1,1	-38
-Other textile products	0,9	72,6	71,8	-1,1	0,0	8 410	8 322	-1,0	-88
-Knitted, crocheted articles	0,2	106,4	95,4	-10,3	0,0	1 380	1 325	-4,0	-55
-Wearing apparel	2,1	85,0	80,9	-4,8	-0,1	10 418	9 793	-6,0	-625
-Leather and leather products	0,6	89,9	93,6	4,1	0,0	2 907	3 169	9,0	262
-Footwear	0,4	103,3	104,2	0,9	0,0	2 572	2 670	3,8	98
Wood and wood products, paper, publishing and printing	10,2	94,8	94,3	-0,5	-0,1	78 290	80 198	2,4	1 908
-Sawmilling and planing of wood	0,7	84,0	86,7	3,2	0,0	5 804	6 152	6,0	348
-Products of wood	1,3	86,0	86,6	0,7	0,0	11 007	11 450	4,0	443
-Paper and paper products	3,8	111,8	107,5	-3,8	-0,2	34 787	35 226	1,3	439
-Publishing	1,9	79,8	81,6	2,3	0,0	11 643	11 916	2,3	273
-Printing, recorded media	2,5	87,3	89,5	2,5	0,1	15 049	15 455	2,7	406
Petroleum, chemical products, rubber and plastic products	22,1	111,0	112,4	1,3	0,3	207 332	239 170	15,4	31 838
-Coke, petroleum products and nuclear fuel	8,5	95,1	92,9	-2,3	-0,2	73 385	94 292	28,5	20 907
-Basic chemicals	4,5	124,3	128,2	3,1	0,2	43 403	49 197	13,3	5 794
-Other chemical products	5,3	115,4	117,8	2,1	0,1	50 711	52 583	3,7	1 872
-Rubber products	1,0	81,7	97,3	19,1	0,2	8 918	10 678	19,7	1 760
-Plastic products	2,7	141,1	142,4	0,9	0,0	30 915	32 420	4,9	1 505
Glass and non-metallic mineral products	4,8	93,0	94,6	1,7	0,1	29 673	31 170	5,0	1 497
-Glass and glass products	1,0	115,8	112,2	-3,1	0,0	4 676	4 988	6,7	312
-Non-metallic mineral products	3,8	87,3	90,2	3,3	0,1	24 997	26 182	4,7	1 185
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	89,6	91,0	1,6	0,3	211 032	225 806	7,0	14 774
-Basic iron and steel products	7,7	82,8	79,1	-4,5	-0,3	71 021	72 994	2,8	1 973
-Non-ferrous metal products	3,4	98,9	109,1	10,3	0,3	36 403	45 847	25,9	9 444
-Structural metal products	2,0	92,2	90,2	-2,2	0,0	19 323	20 323	5,2	1 000
-Other fabricated metal products	3,8	105,5	110,2	4,5	0,2	33 644	34 560	2,7	916
-General purpose machinery	2,4	68,9	70,2	1,9	0,0	20 916	21 368	2,2	452
-Special purpose machinery	3,1	89,4	92,0	2,9	0,1	23 116	24 021	3,9	905
-Household appliances	0,6	98,1	99,8	1,7	0,0	6 609	6 692	1,3	83
Electrical machinery	2,5	127,2	130,1	2,3	0,1	29 275	31 010	5,9	1 735
Radio, television and communication apparatus and professional equipment	1,1	93,0	104,3	12,2	0,1	10 115	11 220	10,9	1 105
-Radio, television and communication apparatus	0,4	89,3	102,5	14,8	0,1	4 875	5 552	13,9	677
-Professional equipment	0,7	95,3	105,5	10,7	0,1	5 240	5 668	8,2	428
Motor vehicles, parts and accessories and other transport equipment	10,9	92,2	105,2	14,1	1,4	117 174	128 804	9,9	11 630
-Motor vehicles	4,9	79,6	99,3	24,7	1,0	58 916	62 853	6,7	3 937
-Bodies for motor vehicles, trailers and semi-trailers	0,5	117,4	124,3	5,9	0,0	5 553	5 992	7,9	439
-Parts and accessories	4,7	98,7	106,4	7,8	0,4	41 458	47 297	14,1	5 839
-Other transport equipment	0,9	112,7	120,4	6,8	0,1	11 247	12 662	12,6	1 415
Furniture and other manufacturing division	5,2	91,1	93,4	2,5	0,1	40 365	43 558	7,9	3 193
-Furniture	1,3	88,1	89,1	1,1	0,0	7 512	8 166	8,7	654
-Other manufacturing groups	3,9	92,0	94,9	3,2	0,1	32 853	35 392	7,7	2 539
Total	100,0	99,4	102,0	2,6	2,6	930 405	1 011 094	8,7	80 689

1/ The contribution (percentage points) of a major group or division 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.

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 Register (BR), 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 2005. 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 updating 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.
- Response rate**
- 9 The preliminary response rate for the survey on manufacturing production and sales for September 2011 was 91,7%. Improved response rate for August 2011 was 93,7%.
- 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 3 029 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 3 029 enterprises, which was drawn in April 2011 from a population then of 51 805 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, which are in line with international best practice, are described in more detail on the Stats SA website at www.statssa.gov.za/publications/publicationsearch.asp
- 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 census of manufacturing or large sample survey of the manufacturing industry. For the period 1998 to 2000, the weights are based on the 1996 Census of Manufacturing. For the period 2001 to 2004, the weights are based on the 2001 large sample survey of the manufacturing industry (LSS) and for the period 2005 to 2011, the weights are based on the 2005 LSS. Weights between census / LSS 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 D for the fixed weights which were used for the three periods 1998 to 2000, 2001 to 2004 and 2005 to 2011).

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 the 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. 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.
 - *SA 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.
- Pre-release policy** 24 Stats SA's pre-release policy may be inspected at its website, www.statssa.gov.za
- Symbols and abbreviations** 25
- | | |
|----------|---|
| 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.

$$n_h = \frac{N_h S_h}{\sum N_h S_h}$$

N_h and S_h are the stratum population size and the stratum variance respectively.

Class limits: Manufacturing

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	

Glossary

Enterprise	The 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 2005. The production in the base period is set at 100.
Industry	An industry is made up of enterprises engaged in the same or similar kinds of economic activity. Industries are defined in the <i>System of National Accounts (SNA)</i> in the same way as in the <i>1993 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 1996 Census of Manufacturing 1998 - 2000	Weights according to the 2001 LSS of the manufacturing industry 2001 - 2004	Weights according to the 2005 LSS of the manufacturing industry 2005 - 2011
Food and beverages	15,3	16,4	15,4
-Meat, fish, fruit, etc.	2,8	2,6	1,8
-Dairy products	1,4	1,1	0,8
-Grain mill products	2,1	1,5	0,8
-Other food products	4,4	6,8	5,2
-Beverages	4,6	4,3	6,8
Textiles, clothing, leather and footwear	7,8	5,4	4,9
-Textiles	1,7	1,2	0,7
-Other textile products	1,2	1,2	0,9
-Knitted, crocheted articles	0,6	0,3	0,2
-Wearing apparel	3,0	2,0	2,1
-Tanning, dressing of leather	0,4	0,3	0,6
-Footwear	0,9	0,4	0,4
Wood and wood products, paper, publishing and printing	11,4	11,0	10,2
-Sawmilling and planing of wood	0,8	0,7	0,7
-Products of wood	1,2	1,0	1,3
-Paper and paper products	5,3	4,8	3,8
-Publishing	1,5	2,4	1,9
-Printing, recorded media	2,6	2,1	2,5
Petroleum, chemical products, rubber and plastic products	19,3	22,5	22,1
-Coke, petroleum products and nuclear fuel	4,2	9,1	8,5
-Basic chemicals	4,5	4,0	4,5
-Other chemical products	6,2	5,4	5,3
-Rubber products	1,4	1,1	1,0
-Plastic products	3,1	3,0	2,7
Glass and non-metallic mineral products	4,5	3,9	4,8
-Glass and glass products	1,0	1,1	1,0
-Non-metallic mineral products	3,5	2,9	3,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	23,6	22,4	22,9
-Basic iron and steel products	7,6	5,5	7,7
-Non-ferrous metal products	3,2	4,7	3,4
-Structural metal products	2,4	1,3	2,0
-Other fabricated metal products	4,6	4,2	3,8
-General purpose machinery	2,5	2,4	2,4
-Special purpose machinery	2,9	3,2	3,1
-Household appliances	0,4	1,2	0,6
Electrical machinery	3,4	2,7	2,5
Radio, television and communication apparatus and professional equipment	1,5	1,3	1,1
-Radio, television and communication apparatus	1,0	0,7	0,4
-Professional equipment	0,5	0,6	0,7
Motor vehicles, parts and accessories and other transport equipment	9,1	8,6	10,9
-Motor vehicles	4,5	4,1	4,9
-Bodies for motor vehicles, trailers and semi -trailers	0,5	0,4	0,5
-Parts and accessories	3,0	3,1	4,7
-Other transport equipment	1,0	1,0	0,9
Other manufacturing divisions	4,1	5,8	5,2
-Furniture	1,6	1,6	1,3
-Other manufacturing groups	2,6	4,2	3,9
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, Nelspruit
Central Reference Collection, Kimberley
Central Reference Library, Mmabatho

Stats SA also provides a subscription service.

Electronic services

A large range of data is available via online services. For more details about our electronic data 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 8600 (user information services)
(012) 310 8358 (orders/subscription services)

Fax number: (012) 310 8664 (technical enquiries)

Email address: gerdab@statssa.gov.za (technical enquiries)
orapelengm@statssa.gov.za (technical enquiries)
info@statssa.gov.za (user information services)
magdaj@statssa.gov.za (orders/subscription services)

Postal address: Private Bag X44, Pretoria, 0001

Produced by Stats SA