



your leading partner in quality statistics

Statistical release

P3041.2

Manufacturing: Production and sales (Preliminary)

August 2012

Embargoed until:
11 October 2012
13:00

Enquiries:

User information services
Tel. (012) 310 8600/8390/8351

Forthcoming issue:

September 2012

Expected release date

8 November 2012

Contents

Key figures for August 2012	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 – 2012	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 – 2012.....	6
Detailed results	7
Table 1 – Total index of the physical volume of manufacturing production: 2006 – 2012	7
Table 2 – Annual percentage change in the total index of the physical volume of manufacturing production: 2006 – 2012.....	7
Table 3 – Seasonally adjusted index of the total physical volume of manufacturing production: 2006 – 2012	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): 2006 – 2012	10
Table 6 – Annual percentage change in the total estimated value of sales of the manufacturing industry: 2006 – 2012.....	10
Table 7 – Total seasonally adjusted sales of the manufacturing industry at current prices (R'000): 2006 – 2012....	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 August 2012

Table A – Manufacturing production and sales

Estimates	August 2012	% change between August 2011 and August 2012	% change between June to August 2011 and June to August 2012	% change between January to August 2011 and January 2012 to August
Physical volume of manufacturing production index (base: 2005=100)	110,9	3,0	3,4	2,3
Total estimated sales of manufactured products (R million)	131 100	7,7	9,1	9,5

Seasonally adjusted estimates	August 2012	% change between July and August 2012	% change between March to May 2012 and June to August 2012
Physical volume of manufacturing production index (base: 2005=100)	107,4	3,0	0,9
Total value of sales of manufactured products (R million)	128 163	3,2	0,3

Manufacturing production increased by 3,0% in August 2012 compared with August 2011.

The 3,0% year-on-year increase in manufacturing production in August 2012 was mainly due to higher production in the following divisions:

- petroleum, chemical products, rubber and plastic products (4,7% and contributing 1,1 percentage points);
- wood and wood products, paper, publishing and printing (9,9% and contributing 0,9 of a percentage point); and
- basic iron and steel, non-ferrous metal products, metal products and machinery (4,2% and contributing 0,8 of a percentage point) (see Table 4b).

Seasonally adjusted manufacturing production in the three months ended August 2012 increased by 0,9% compared with the previous three months. Seven of the ten manufacturing divisions reported positive growth rates over this period.

The largest contributions to the increase of 0,9% were made by the following divisions:

- motor vehicles, parts and accessories and other transport equipment (3,2% and contributing 0,4 of a percentage point);
- food and beverages (2,2% and contributing 0,4 of a percentage point); and
- wood and wood products, paper, publishing and printing (2,7% and contributing 0,3 of a percentage point) (see Table B).

These increases were partially counteracted by lower production recorded for the basic iron and steel, non-ferrous metal products, metal products and machinery division (-1,4% and contributing -0,3 of a percentage point).

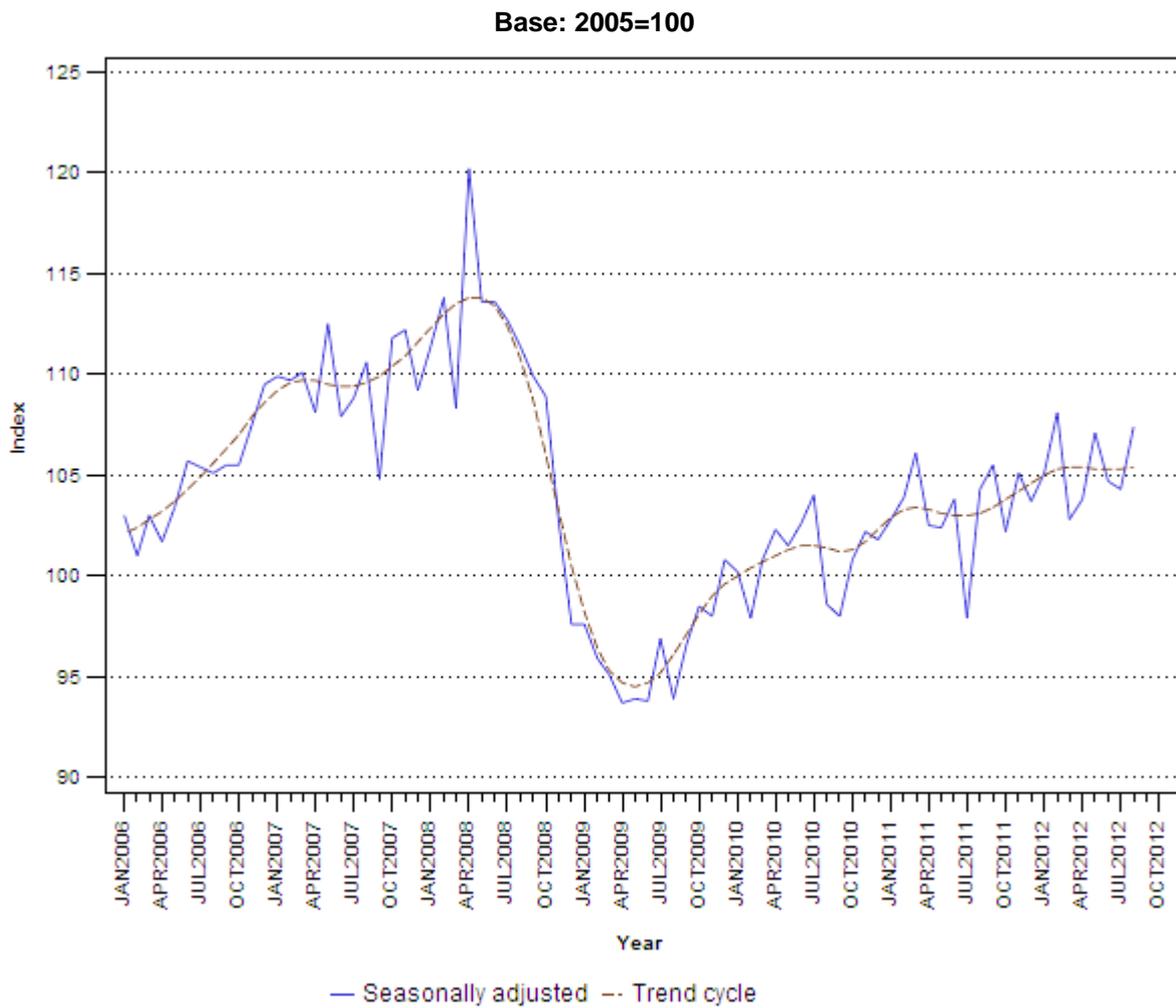
Table B – Contribution of manufacturing divisions and major groups to the total three-monthly seasonally adjusted manufacturing production

Base: 2005=100

Manufacturing divisions and major groups	Weights 2005	Average seasonally adjusted production index for March to May 2012	Average seasonally adjusted production index for June to August 2012	Quarterly % change of June to August 2012 compared with the preceding three months	Contribution (% points) to the seasonally adjusted quarterly % change in total manufacturing production 1/
Food and beverages	15,4	121,2	123,9	2,2	0,4
-Meat, fish, fruit, etc.	1,8	124,7	122,5	-1,8	0,0
-Dairy products	0,8	121,9	124,1	1,8	0,0
-Grain mill products	0,8	112,4	119,4	6,2	0,1
-Other food products	5,2	120,1	118,1	-1,7	-0,1
-Beverages	6,8	122,0	129,3	6,0	0,5
Textiles, clothing, leather and footwear	4,9	81,1	81,8	0,9	0,0
-Textiles	1,6	64,6	63,5	-1,7	0,0
-Wearing apparel	2,3	82,8	87,1	5,2	0,1
-Leather and leather products	0,6	98,6	93,7	-5,0	0,0
-Footwear	0,4	107,8	104,8	-2,8	0,0
Wood and wood products, paper, publishing and printing	10,2	95,5	98,1	2,7	0,3
-Wood and products of wood	2,0	88,6	90,2	1,8	0,0
-Paper and paper products	3,8	110,4	110,9	0,5	0,0
-Publishing and printing	4,3	85,6	90,4	5,6	0,2
Petroleum, chemical products, rubber and plastic products	22,1	116,4	117,0	0,5	0,1
-Coke, petroleum products and nuclear fuel	8,5	92,7	92,8	0,1	0,0
-Basic chemicals	4,5	135,6	126,9	-6,4	-0,4
-Other chemical products	5,3	121,8	132,3	8,6	0,5
-Rubber products	1,0	98,3	94,6	-3,8	0,0
-Plastic products	2,7	154,4	154,9	0,3	0,0
Glass and non-metallic mineral products	4,8	97,2	95,2	-2,1	-0,1
-Glass and glass products	1,0	119,3	120,3	0,8	0,0
-Non-metallic mineral products	3,8	91,7	89,0	-2,9	-0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	90,7	89,4	-1,4	-0,3
-Basic iron and steel products	7,7	72,5	69,4	-4,3	-0,2
-Basic precious, non-ferrous metal products	3,4	91,9	90,8	-1,2	0,0
-Fabricated metal products	5,7	109,3	111,0	1,6	0,1
-Machinery and equipment	6,1	95,3	93,4	-2,0	-0,1
Electrical machinery	2,5	131,5	133,0	1,1	0,0
Radio, television and communication apparatus and professional equipment	1,1	107,4	112,0	4,3	0,0
-Radio, television and communication apparatus	0,4	106,5	121,2	13,8	0,1
-Professional equipment	0,7	107,9	106,1	-1,7	0,0
Motor vehicles, parts and accessories and other transport equipment	10,9	106,5	109,9	3,2	0,4
-Motor vehicles	4,9	108,0	115,2	6,7	0,3
-Bodies for motor vehicles, trailers and semi-trailers	0,5	135,8	129,4	-4,7	0,0
-Parts and accessories	4,7	100,9	100,3	-0,6	0,0
-Other transport equipment	0,9	112,4	119,7	6,5	0,1
Furniture and other manufacturing division	5,2	95,6	94,9	-0,7	0,0
-Furniture	1,3	101,1	107,9	6,7	0,1
-Other manufacturing groups	3,9	93,8	90,5	-3,5	-0,1
Total	100,0	104,6	105,5	0,9	0,9

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 – 2012



Seasonally adjusted sales of manufactured products (at current prices) increased by 0,3% (R1 266 million) in the three months ended August 2012 compared with the previous three months. Five of the ten manufacturing divisions reported positive growth rates over this period.

The manufacturing divisions that were mainly responsible for the increase in total manufacturing sales were motor vehicles, parts and accessories and other transport equipment (7,9% or R3 551 million) and food and beverages (1,6% or R1 196 million).

These increases were partially counteracted by lower sales recorded for the petroleum, chemical products, rubber and plastic products division (-3,2% or -R2 926 million) and the basic iron and steel, non-ferrous metal products, metal products and machinery division (-1,4% or -R1 123 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 2012	Seasonally adjusted sales June to August 2012	% change between March to May 2012 and June to August 2012	Difference in seasonally adjusted sales of manufacturing divisions between March to May 2012 and June to August 2012
	R'000	R'000	%	R'000
Food and beverages	76 204 463	77 400 641	1,6	1 196 178
-Food and food products	57 358 695	57 946 054	1,0	587 359
-Beverages	18 845 767	19 454 586	3,2	608 819
Textiles, clothing, leather and footwear	9 758 307	10 030 590	2,8	272 283
-Textiles	3 527 349	3 629 106	2,9	101 757
-Wearing apparel	4 010 056	4 186 988	4,4	176 932
-Leather and leather products	1 317 810	1 341 904	1,8	24 094
-Footwear	903 092	872 594	-3,4	-30 498
Wood and wood products, paper, publishing and printing	28 714 327	29 640 490	3,2	926 163
-Wood and products of wood	6 332 883	6 477 573	2,3	144 690
-Paper and paper products	12 850 268	13 053 588	1,6	203 320
-Publishing and printing	9 531 177	10 109 331	6,1	578 154
Petroleum, chemical products, rubber and plastic products	91 436 419	88 510 777	-3,2	-2 925 642
-Coke, petroleum products and nuclear fuel	39 223 463	35 773 633	-8,8	-3 449 830
-Basic chemicals	19 228 184	18 317 556	-4,7	-910 628
-Other chemical products	18 107 365	19 476 878	7,6	1 369 513
-Rubber products	3 999 410	3 933 888	-1,6	-65 522
-Plastic products	10 877 998	11 008 824	1,2	130 826
Glass and non-metallic mineral products	11 974 135	11 776 801	-1,6	-197 334
-Glass and glass products	2 007 114	2 058 283	2,5	51 169
-Non-metallic mineral products	9 967 020	9 718 517	-2,5	-248 503
Basic iron and steel, non-ferrous metal products, metal products and machinery	81 406 189	80 283 398	-1,4	-1 122 791
-Basic iron and steel products	24 798 103	22 935 152	-7,5	-1 862 951
-Basic precious, non-ferrous metal products	14 558 937	15 685 506	7,7	1 126 569
-Fabricated metal products	21 230 373	21 549 872	1,5	319 499
-Machinery and equipment	20 818 778	20 112 864	-3,4	-705 914
Electrical machinery	11 579 201	11 506 272	-0,6	-72 929
Radio, television and communication apparatus and professional equipment	3 609 303	3 917 704	8,5	308 401
-Radio, television and communication apparatus	1 698 563	1 967 758	15,8	269 195
-Professional equipment	1 910 739	1 949 945	2,1	39 206
Motor vehicles, parts and accessories and other transport equipment	45 056 279	48 607 329	7,9	3 551 050
-Motor vehicles, trailers, parts and accessories	40 619 292	43 915 690	8,1	3 296 398
-Other transport equipment	4 436 988	4 691 640	5,7	254 652
Furniture and other manufacturing division	16 229 822	15 560 484	-4,1	-669 338
-Furniture	3 438 696	3 626 494	5,5	187 798
-Other manufacturing groups	12 791 126	11 933 990	-6,7	-857 136
Total	375 968 444	377 234 485	0,3	1 266 041

Figure 2 – Total estimated sales of the manufacturing industry at current prices: 2006 – 2012



PJ Lehohla
Statistician-General

Detailed results

Table 1 – Total index of the physical volume of manufacturing production: 2006 – 2012

Base: 2005=100

Month	2006	2007	2008	2009	2010	2011	2012
Jan	89,7	95,0	95,9	83,4	85,9	88,0	90,0
Feb	96,7	104,7	108,5	91,5	93,7	99,7	103,8
Mar	106,2	113,6	111,9	98,3	104,7	110,4	107,2
Apr	95,6	101,0	111,9	87,1	94,6	94,7	95,4
May	104,3	113,4	114,3	94,1	101,9	102,8	107,3
Jun	106,7	109,2	115,1	94,9	103,8	104,9	1/ 105,8
Jul	107,4	111,2	115,2	98,9	106,0	99,4	1/ 105,7
Aug	108,8	114,4	114,9	96,7	101,7	107,7	1/ 110,9
Sep	109,7	108,9	114,2	100,7	102,1	110,5	
Oct	117,0	124,1	121,1	109,1	111,8	113,2	
Nov	119,1	124,3	114,3	108,4	113,7	117,1	
Dec	96,6	96,5	87,8	90,2	90,9	93,1	
Year	104,8	109,7	110,4	96,1	100,9	103,5	

1/ Preliminary.

Table 2 – Annual percentage change in the total index of the physical volume of manufacturing production: 2006 – 2012 2/

Month	2006	2007	2008	2009	2010	2011	2012
Jan	5,8	5,9	0,9	-13,0	3,0	2,4	2,3
Feb	1,6	8,3	3,6	-15,7	2,4	6,4	4,1
Mar	4,9	7,0	-1,5	-12,2	6,5	5,4	-2,9
Apr	-0,9	5,6	10,8	-22,2	8,6	0,1	0,7
May	3,9	8,7	0,8	-17,7	8,3	0,9	4,4
Jun	6,4	2,3	5,4	-17,5	9,4	1,1	0,9
Jul	6,2	3,5	3,6	-14,1	7,2	-6,2	6,3
Aug	5,1	5,1	0,4	-15,8	5,2	5,9	3,0
Sep	2,0	-0,7	4,9	-11,8	1,4	8,2	
Oct	9,2	6,1	-2,4	-9,9	2,5	1,3	
Nov	7,5	4,4	-8,0	-5,2	4,9	3,0	
Dec	5,7	-0,1	-9,0	2,7	0,8	2,4	
Year	4,8	4,7	0,6	-13,0	5,0	2,6	

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: 2006 – 2012

Base: 2005=100

Month	2006	2007	2008	2009	2010	2011	2012
Jan	103,0	109,9	111,4	97,6	100,2	102,8	105,1
Feb	101,0	109,7	113,8	95,9	97,9	103,9	108,1
Mar	103,0	110,1	108,3	95,1	100,8	106,1	102,8
Apr	101,7	108,1	120,2	93,7	102,3	102,5	103,8
May	103,4	112,5	113,6	93,9	101,5	102,4	107,1
Jun	105,7	107,9	113,6	93,8	102,6	103,8	104,7
Jul	105,4	108,8	112,7	96,9	104,0	97,9	104,3
Aug	105,1	110,6	111,4	93,9	98,6	104,3	107,4
Sep	105,5	104,8	109,9	96,6	98,0	105,5	
Oct	105,5	111,8	108,9	98,5	100,8	102,2	
Nov	107,5	112,2	102,6	98,0	102,2	105,1	
Dec	109,5	109,2	97,6	100,8	101,8	103,7	

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 2011	Actual indices			Seasonally adjusted indices		
			August 2011	1/ July 2012	1/ August 2012	August 2011	July 2012	August 2012
Food and beverages	15,4	119,2	127,4	120,0	128,5	125,8	124,6	127,1
-Meat, fish, fruit, etc.	1,8	120,2	125,7	119,3	124,5	126,0	121,4	124,2
-Dairy products	0,8	118,1	116,4	113,9	124,5	116,8	122,4	124,6
-Grain mill products	0,8	109,3	115,8	120,7	125,3	115,1	119,4	124,1
-Other food products	5,2	115,8	140,6	133,8	132,6	124,7	122,0	117,8
-Beverages	6,8	123,0	120,6	110,2	127,2	128,9	128,4	135,5
Textiles, clothing, leather and footwear	4,9	81,9	84,8	82,1	84,5	83,3	81,5	83,1
-Textiles	0,7	60,5	61,0	56,2	54,3	60,6	54,6	54,2
-Other textile products	0,9	72,7	74,6	69,2	71,4	72,5	68,7	69,7
-Knitted, crocheted articles	0,2	90,2	75,7	69,4	64,1	84,0	72,7	71,6
-Wearing apparel	2,1	83,2	89,8	89,1	92,6	87,6	89,1	90,1
-Leather and leather products	0,6	95,0	88,7	90,4	89,8	92,9	91,2	94,6
-Footwear	0,4	106,2	116,3	107,8	119,5	106,8	102,2	109,9
Wood and wood products, paper, publishing and printing	10,2	97,7	93,1	93,9	102,3	92,5	95,4	101,7
-Sawmilling and planing of wood	0,7	87,0	92,1	94,9	97,5	87,7	89,4	92,7
-Products of wood	1,3	88,5	89,5	92,9	95,8	85,9	91,7	91,8
-Paper and paper products	3,8	110,9	102,9	106,1	110,2	103,5	109,3	111,0
-Publishing	1,9	87,0	79,9	77,0	83,8	82,8	80,4	87,1
-Printing, recorded media	2,5	93,0	89,8	87,9	108,7	87,3	88,8	106,1
Petroleum, chemical products, rubber and plastic products	22,1	113,0	116,7	121,7	122,2	112,3	116,0	117,7
-Coke, petroleum products and nuclear fuel	8,5	88,7	92,0	104,6	99,1	85,2	92,1	91,8
-Basic chemicals	4,5	131,9	136,5	129,1	136,3	130,6	125,6	130,1
-Other chemical products	5,3	121,6	123,0	131,2	132,4	123,6	132,3	133,0
-Rubber products	1,0	96,7	95,6	97,7	87,7	98,4	93,4	91,0
-Plastic products	2,7	146,9	156,2	153,2	163,8	150,2	151,4	157,6
Glass and non-metallic mineral products	4,8	96,6	105,3	101,9	100,6	98,5	96,2	94,0
-Glass and glass products	1,0	116,4	117,7	126,9	128,1	115,7	124,0	125,6
-Non-metallic mineral products	3,8	91,7	102,2	95,7	93,7	94,1	89,3	86,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	91,8	91,5	89,1	95,3	88,2	88,2	92,0
-Basic iron and steel products	7,7	78,4	62,2	63,9	75,5	59,8	67,6	72,9
-Non-ferrous metal products	3,4	109,2	118,8	93,6	100,6	114,9	91,0	97,3
-Structural metal products	2,0	89,9	98,6	90,6	99,8	93,3	87,8	94,0
-Other fabricated metal products	3,8	112,0	120,0	126,1	130,8	117,0	117,4	127,1
-General purpose machinery	2,4	72,7	78,0	80,2	78,1	74,6	78,8	74,8
-Special purpose machinery	3,1	95,1	100,4	103,2	100,3	97,1	103,6	97,7
-Household appliances	0,6	101,4	114,2	113,3	124,3	108,0	113,8	117,7
Electrical machinery	2,5	130,0	133,3	139,6	128,9	127,9	135,5	123,6
Radio, television and communication apparatus and professional equipment	1,1	105,9	115,5	114,6	123,6	110,3	107,8	117,5
-Radio, television and communication apparatus	0,4	104,2	121,1	127,0	133,3	117,3	117,2	128,5
-Professional equipment	0,7	107,0	111,9	106,8	117,4	105,9	101,8	110,6
Motor vehicles, parts and accessories and other transport equipment	10,9	103,1	118,5	109,8	119,4	112,3	106,7	112,9
-Motor vehicles	4,9	96,5	112,1	118,2	126,5	105,0	112,6	118,1
-Bodies for motor vehicles, trailers and semi-trailers	0,5	126,9	133,4	130,5	142,3	126,3	131,4	134,7
-Parts and accessories	4,7	104,7	115,5	96,2	107,9	110,7	94,7	103,6
-Other transport equipment	0,9	117,7	159,1	123,5	128,4	151,1	124,0	121,0
Furniture and other manufacturing division	5,2	92,9	98,9	91,2	100,8	96,2	91,0	98,2
-Furniture	1,3	93,8	95,8	108,2	111,6	94,4	106,0	110,1
-Other manufacturing groups	3,9	92,6	99,9	85,5	97,2	96,9	86,0	94,3
Total	100,0	103,5	107,7	105,7	110,9	104,3	104,3	107,4

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 2011	Actual indices			Seasonally adjusted indices		
			August 2011	1/ August 2012	% change between August 2011 and August 2012	July 2012	August 2012	% change between July and August 2012
Food and beverages	15,4	119,2	127,4	128,5	0,9	124,6	127,1	2,0
-Meat, fish, fruit, etc.	1,8	120,2	125,7	124,5	-1,0	121,4	124,2	2,3
-Dairy products	0,8	118,1	116,4	124,5	7,0	122,4	124,6	1,8
-Grain mill products	0,8	109,3	115,8	125,3	8,2	119,4	124,1	3,9
-Other food products	5,2	115,8	140,6	132,6	-5,7	122,0	117,8	-3,4
-Beverages	6,8	123,0	120,6	127,2	5,5	128,4	135,5	5,5
Textiles, clothing, leather and footwear	4,9	81,9	84,8	84,5	-0,4	81,5	83,1	2,0
-Textiles	0,7	60,5	61,0	54,3	-11,0	54,6	54,2	-0,7
-Other textile products	0,9	72,7	74,6	71,4	-4,3	68,7	69,7	1,5
-Knitted, crocheted articles	0,2	90,2	75,7	64,1	-15,3	72,7	71,6	-1,5
-Wearing apparel	2,1	83,2	89,8	92,6	3,1	89,1	90,1	1,1
-Leather and leather products	0,6	95,0	88,7	89,8	1,2	91,2	94,6	3,7
-Footwear	0,4	106,2	116,3	119,5	2,8	102,2	109,9	7,5
Wood and wood products, paper, publishing and printing	10,2	97,7	93,1	102,3	9,9	95,4	101,7	6,6
-Sawmilling and planing of wood	0,7	87,0	92,1	97,5	5,9	89,4	92,7	3,7
-Products of wood	1,3	88,5	89,5	95,8	7,0	91,7	91,8	0,1
-Paper and paper products	3,8	110,9	102,9	110,2	7,1	109,3	111,0	1,6
-Publishing	1,9	87,0	79,9	83,8	4,9	80,4	87,1	8,3
-Printing, recorded media	2,5	93,0	89,8	108,7	21,0	88,8	106,1	19,5
Petroleum, chemical products, rubber and plastic products	22,1	113,0	116,7	122,2	4,7	116,0	117,7	1,5
-Coke, petroleum products and nuclear fuel	8,5	88,7	92,0	99,1	7,7	92,1	91,8	-0,3
-Basic chemicals	4,5	131,9	136,5	136,3	-0,1	125,6	130,1	3,6
-Other chemical products	5,3	121,6	123,0	132,4	7,6	132,3	133,0	0,5
-Rubber products	1,0	96,7	95,6	87,7	-8,3	93,4	91,0	-2,6
-Plastic products	2,7	146,9	156,2	163,8	4,9	151,4	157,6	4,1
Glass and non-metallic mineral products	4,8	96,6	105,3	100,6	-4,5	96,2	94,0	-2,3
-Glass and glass products	1,0	116,4	117,7	128,1	8,8	124,0	125,6	1,3
-Non-metallic mineral products	3,8	91,7	102,2	93,7	-8,3	89,3	86,0	-3,7
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	91,8	91,5	95,3	4,2	88,2	92,0	4,3
-Basic iron and steel products	7,7	78,4	62,2	75,5	21,4	67,6	72,9	7,8
-Non-ferrous metal products	3,4	109,2	118,8	100,6	-15,3	91,0	97,3	6,9
-Structural metal products	2,0	89,9	98,6	99,8	1,2	87,8	94,0	7,1
-Other fabricated metal products	3,8	112,0	120,0	130,8	9,0	117,4	127,1	8,3
-General purpose machinery	2,4	72,7	78,0	78,1	0,1	78,8	74,8	-5,1
-Special purpose machinery	3,1	95,1	100,4	100,3	-0,1	103,6	97,7	-5,7
-Household appliances	0,6	101,4	114,2	124,3	8,8	113,8	117,7	3,4
Electrical machinery	2,5	130,0	133,3	128,9	-3,3	135,5	123,6	-8,8
Radio, television and communication apparatus and professional equipment	1,1	105,9	115,5	123,6	7,0	107,8	117,5	9,0
-Radio, television and communication apparatus	0,4	104,2	121,1	133,3	10,1	117,2	128,5	9,6
-Professional equipment	0,7	107,0	111,9	117,4	4,9	101,8	110,6	8,6
Motor vehicles, parts and accessories and other transport equipment	10,9	103,1	118,5	119,4	0,8	106,7	112,9	5,8
-Motor vehicles	4,9	96,5	112,1	126,5	12,8	112,6	118,1	4,9
-Bodies for motor vehicles, trailers and semi-trailers	0,5	126,9	133,4	142,3	6,7	131,4	134,7	2,5
-Parts and accessories	4,7	104,7	115,5	107,9	-6,6	94,7	103,6	9,4
-Other transport equipment	0,9	117,7	159,1	128,4	-19,3	124,0	121,0	-2,4
Furniture and other manufacturing division	5,2	92,9	98,9	100,8	1,9	91,0	98,2	7,9
-Furniture	1,3	93,8	95,8	111,6	16,5	106,0	110,1	3,9
-Other manufacturing groups	3,9	92,6	99,9	97,2	-2,7	86,0	94,3	9,7
Total	100,0	103,5	107,7	110,9	3,0	104,3	107,4	3,0

1/ Preliminary.

Table 5 – Total estimated sales of the manufacturing industry at current prices (R'000): 2006 – 2012

Month	2006	2007	2008	2009	2010	2011	2012
Jan	68 501 312	82 751 979	92 718 406	87 095 583	88 149 838	94 246 838	104 935 789
Feb	76 254 560	94 752 037	109 968 010	98 910 325	99 414 819	108 823 746	122 863 314
Mar	84 627 558	101 801 537	116 559 343	106 853 461	112 150 984	123 042 345	130 042 791
Apr	75 920 578	92 055 334	118 743 978	91 481 056	99 179 387	105 427 353	114 751 285
May	85 323 073	103 294 995	122 009 401	97 891 568	106 725 647	114 987 796	127 234 354
Jun	89 191 215	100 363 915	126 717 920	99 620 665	110 984 952	119 312 466	1/ 127 603 367
Jul	90 340 495	101 001 703	130 306 185	101 194 755	110 310 285	110 290 349	1/ 124 556 795
Aug	94 106 608	106 756 672	128 075 397	102 171 776	107 873 773	121 774 032	1/ 131 099 465
Sep	96 312 774	102 072 116	127 557 225	106 385 385	110 151 480	129 822 841	
Oct	101 657 037	115 324 079	133 838 287	111 499 001	118 674 521	130 325 799	
Nov	105 210 421	117 861 959	124 514 657	113 598 170	123 230 894	135 588 107	
Dec	83 953 143	93 460 862	97 565 655	96 538 722	101 389 781	114 218 802	
Year	1 051 398 774	1 211 497 188	1 428 574 464	1 213 240 467	1 288 236 361	1 407 860 474	

1/ Preliminary.

Table 6 – Annual percentage change in the total estimated value of sales of the manufacturing industry: 2006 – 2012 2/

Month	2006	2007	2008	2009	2010	2011	2012
Jan	11,1	20,8	12,0	-6,1	1,2	6,9	11,3
Feb	6,9	24,3	16,1	-10,1	0,5	9,5	12,9
Mar	11,5	20,3	14,5	-8,3	5,0	9,7	5,7
Apr	1,5	21,3	29,0	-23,0	8,4	6,3	8,8
May	10,7	21,1	18,1	-19,8	9,0	7,7	10,7
Jun	13,4	12,5	26,3	-21,4	11,4	7,5	6,9
Jul	14,9	11,8	29,0	-22,3	9,0	0,0	12,9
Aug	15,9	13,4	20,0	-20,2	5,6	12,9	7,7
Sep	14,3	6,0	25,0	-16,6	3,5	17,9	
Oct	20,8	13,4	16,1	-16,7	6,4	9,8	
Nov	19,6	12,0	5,6	-8,8	8,5	10,0	
Dec	12,4	11,3	4,4	-1,1	5,0	12,7	
Year	13,0	15,2	17,9	-15,1	6,2	9,3	

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): 2006 – 2012

Month	2006	2007	2008	2009	2010	2011	2012
Jan	81 504 031	98 464 165	110 160 574	104 059 240	105 024 032	111 957 041	123 862 900
Feb	79 527 195	99 108 092	115 337 084	103 388 524	103 555 407	113 397 406	128 525 544
Mar	82 404 275	98 723 876	112 766 035	102 907 057	107 178 379	117 437 402	124 157 264
Apr	81 101 542	98 655 628	127 509 714	98 583 849	107 160 279	113 912 885	124 214 144
May	85 054 992	102 810 280	121 284 790	98 214 173	106 942 212	115 074 838	127 597 036
Jun	87 742 514	98 364 830	123 573 154	97 669 239	108 618 045	116 715 746	124 885 138
Jul	88 643 038	98 993 539	127 374 658	99 844 939	109 239 028	109 692 818	124 186 562
Aug	90 927 665	103 269 489	123 722 068	99 402 568	105 354 185	119 023 902	128 162 785
Sep	91 260 691	96 808 658	121 013 756	100 857 228	104 246 249	122 698 422	
Oct	92 463 048	104 727 549	121 626 721	101 557 683	108 339 260	119 350 079	
Nov	94 695 848	106 130 176	112 014 509	102 163 749	110 621 149	122 001 601	
Dec	94 139 023	105 005 209	108 171 297	106 195 391	111 362 962	125 423 815	

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 2011	Actual values			Seasonally adjusted values		
		August 2011	1/ July 2012	1/ August 2012	August 2011	July 2012	August 2012
Food and beverages	280 767 606	23 859 260	24 792 847	26 631 434	23 930 239	25 788 537	26 640 146
-Meat, fish, fruit, etc.	73 509 709	6 374 476	6 549 899	7 006 888	6 324 833	6 698 058	6 924 457
-Dairy products	24 682 334	2 018 978	2 192 345	2 344 047	2 030 089	2 259 425	2 354 042
-Grain mill products	46 889 771	4 161 481	4 538 921	4 813 403	4 075 626	4 459 573	4 695 288
-Other food products	64 239 523	5 533 779	5 814 749	6 228 790	5 304 235	5 738 128	5 975 974
-Beverages	71 446 269	5 770 546	5 696 933	6 238 306	6 195 455	6 633 353	6 690 384
Textiles, clothing, leather and footwear	38 540 626	3 280 963	3 293 230	3 411 604	3 264 778	3 290 426	3 393 161
-Textiles	4 426 801	370 812	357 421	358 869	366 815	357 785	355 249
-Other textile products	10 082 035	839 743	818 174	858 678	845 265	806 148	864 815
-Knitted, crocheted articles	1 961 494	148 184	136 266	121 856	165 636	139 565	137 259
-Wearing apparel	13 859 807	1 234 034	1 263 739	1 328 886	1 200 797	1 261 721	1 291 000
-Leather and leather products	4 873 890	395 547	431 941	439 988	407 191	442 206	455 128
-Footwear	3 336 599	292 643	285 689	303 327	279 074	283 002	289 711
Wood and wood products, paper, publishing and printing	111 824 849	8 995 910	9 350 361	10 440 856	8 914 754	9 572 957	10 360 216
-Sawmilling and planing of wood	8 297 609	727 516	774 771	822 504	696 524	745 191	788 452
-Products of wood	15 877 870	1 338 334	1 423 690	1 458 197	1 288 239	1 412 895	1 401 828
-Paper and paper products	49 458 557	3 934 823	4 055 788	4 515 755	3 945 918	4 236 025	4 531 569
-Publishing	16 049 876	1 228 101	1 258 611	1 354 830	1 238 246	1 317 209	1 367 980
-Printing, recorded media	22 140 937	1 767 136	1 837 501	2 289 570	1 745 828	1 861 637	2 270 388
Petroleum, chemical products, rubber and plastic products	318 352 312	27 906 117	29 990 186	31 397 246	26 435 860	29 241 235	29 710 025
-Coke, petroleum products and nuclear fuel	124 093 250	11 116 421	12 907 193	13 373 023	9 826 094	11 859 563	11 878 813
-Basic chemicals	70 819 287	6 056 082	5 720 130	6 325 200	6 030 830	6 013 819	6 298 633
-Other chemical products	68 766 255	5 770 671	6 419 560	6 473 600	5 780 562	6 503 336	6 487 334
-Rubber products	14 986 294	1 339 676	1 333 998	1 335 233	1 315 627	1 267 254	1 310 757
-Plastic products	39 687 226	3 623 267	3 609 305	3 890 190	3 482 747	3 597 265	3 734 488
Glass and non-metallic mineral products	44 849 547	4 121 138	4 101 470	4 206 691	3 838 380	3 927 600	3 919 239
-Glass and glass products	7 240 340	609 568	677 481	720 256	607 002	712 685	717 345
-Non-metallic mineral products	37 609 207	3 511 570	3 423 989	3 486 435	3 231 378	3 214 915	3 201 894
Basic iron and steel, non-ferrous metal products, metal products and machinery	312 532 861	26 776 606	26 471 660	27 870 532	25 928 376	26 333 379	27 073 533
-Basic iron and steel products	99 408 140	7 894 453	7 298 508	7 955 648	7 501 501	7 592 431	7 651 161
-Non-ferrous metal products	61 809 327	5 211 456	5 002 133	5 343 035	5 256 888	5 015 427	5 399 212
-Structural metal products	25 697 747	2 365 212	2 397 667	2 660 229	2 213 189	2 325 933	2 481 092
-Other fabricated metal products	50 775 598	4 679 401	4 862 810	5 166 345	4 510 947	4 601 776	4 968 879
-General purpose machinery	28 315 464	2 514 877	2 601 300	2 594 971	2 432 538	2 582 106	2 519 291
-Special purpose machinery	37 224 519	3 267 539	3 476 829	3 208 775	3 206 501	3 366 133	3 155 574
-Household appliances	9 302 066	843 668	832 413	941 529	806 813	849 571	898 323
Electrical machinery	43 550 964	3 810 128	3 919 646	3 865 984	3 662 458	3 762 754	3 709 982
Radio, television and communication apparatus and professional equipment	14 051 600	1 336 799	1 327 313	1 460 107	1 249 060	1 288 305	1 357 102
-Radio, television and communication apparatus	6 499 645	678 691	680 442	737 307	627 522	649 734	676 593
-Professional equipment	7 551 955	658 108	646 871	722 800	621 538	638 571	680 508
Motor vehicles, parts and accessories and other transport equipment	182 251 860	16 351 361	16 174 527	16 357 912	16 588 791	15 754 196	16 672 805
-Motor vehicles	92 059 875	7 847 490	8 169 221	8 322 168	8 304 808	7 992 724	8 831 827
-Bodies for motor vehicles, trailers and semi-trailers	8 192 883	732 256	734 881	770 294	686 885	716 468	722 830
-Parts and accessories	64 261 615	5 757 006	5 650 542	5 570 249	5 695 014	5 424 845	5 527 245
-Other transport equipment	17 737 487	2 014 609	1 619 883	1 695 201	1 902 084	1 620 159	1 590 903
Furniture and other manufacturing division	61 138 249	5 335 750	5 135 555	5 457 099	5 211 206	5 227 173	5 326 576
-Furniture	12 246 361	1 023 965	1 212 450	1 225 068	1 018 075	1 190 604	1 220 210
-Other manufacturing groups	48 891 888	4 311 785	3 923 105	4 232 031	4 193 131	4 036 570	4 106 366
Total	1 407 860 474	121 774 032	124 556 795	131 099 465	119 023 902	124 186 562	128 162 785

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 2011	Actual values			Seasonally adjusted values		
		August 2011	1/ August 2012	% change between August 2011 and August 2012	July 2012	August 2012	% change between July and August 2012
Food and beverages	280 767 606	23 859 260	26 631 434	11,6	25 788 537	26 640 146	3,3
-Meat, fish, fruit, etc.	73 509 709	6 374 476	7 006 888	9,9	6 698 058	6 924 457	3,4
-Dairy products	24 682 334	2 018 978	2 344 047	16,1	2 259 425	2 354 042	4,2
-Grain mill products	46 889 771	4 161 481	4 813 403	15,7	4 459 573	4 695 288	5,3
-Other food products	64 239 523	5 533 779	6 228 790	12,6	5 738 128	5 975 974	4,1
-Beverages	71 446 269	5 770 546	6 238 306	8,1	6 633 353	6 690 384	0,9
Textiles, clothing, leather and footwear	38 540 626	3 280 963	3 411 604	4,0	3 290 426	3 393 161	3,1
-Textiles	4 426 801	370 812	358 869	-3,2	357 785	355 249	-0,7
-Other textile products	10 082 035	839 743	858 678	2,3	806 148	864 815	7,3
-Knitted, crocheted articles	1 961 494	148 184	121 856	-17,8	139 565	137 259	-1,7
-Wearing apparel	13 859 807	1 234 034	1 328 886	7,7	1 261 721	1 291 000	2,3
-Leather and leather products	4 873 890	395 547	439 988	11,2	442 206	455 128	2,9
-Footwear	3 336 599	292 643	303 327	3,7	283 002	289 711	2,4
Wood and wood products, paper, publishing and printing	111 824 849	8 995 910	10 440 856	16,1	9 572 957	10 360 216	8,2
-Sawmilling and planing of wood	8 297 609	727 516	822 504	13,1	745 191	788 452	5,8
-Products of wood	15 877 870	1 338 334	1 458 197	9,0	1 412 895	1 401 828	-0,8
-Paper and paper products	49 458 557	3 934 823	4 515 755	14,8	4 236 025	4 531 569	7,0
-Publishing	16 049 876	1 228 101	1 354 830	10,3	1 317 209	1 367 980	3,9
-Printing, recorded media	22 140 937	1 767 136	2 289 570	29,6	1 861 637	2 270 388	22,0
Petroleum, chemical products, rubber and plastic products	318 352 312	27 906 117	31 397 246	12,5	29 241 235	29 710 025	1,6
-Coke, petroleum products and nuclear fuel	124 093 250	11 116 421	13 373 023	20,3	11 859 563	11 878 813	0,2
-Basic chemicals	70 819 287	6 056 082	6 325 200	4,4	6 013 819	6 298 633	4,7
-Other chemical products	68 766 255	5 770 671	6 473 600	12,2	6 503 336	6 487 334	-0,2
-Rubber products	14 986 294	1 339 676	1 335 233	-0,3	1 267 254	1 310 757	3,4
-Plastic products	39 687 226	3 623 267	3 890 190	7,4	3 597 265	3 734 488	3,8
Glass and non-metallic mineral products	44 849 547	4 121 138	4 206 691	2,1	3 927 600	3 919 239	-0,2
-Glass and glass products	7 240 340	609 568	720 256	18,2	712 685	717 345	0,7
-Non-metallic mineral products	37 609 207	3 511 570	3 486 435	-0,7	3 214 915	3 201 894	-0,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	312 532 861	26 776 606	27 870 532	4,1	26 333 379	27 073 533	2,8
-Basic iron and steel products	99 408 140	7 894 453	7 955 648	0,8	7 592 431	7 651 161	0,8
-Non-ferrous metal products	61 809 327	5 211 456	5 343 035	2,5	5 015 427	5 399 212	7,7
-Structural metal products	25 697 747	2 365 212	2 660 229	12,5	2 325 933	2 481 092	6,7
-Other fabricated metal products	50 775 598	4 679 401	5 166 345	10,4	4 601 776	4 968 879	8,0
-General purpose machinery	28 315 464	2 514 877	2 594 971	3,2	2 582 106	2 519 291	-2,4
-Special purpose machinery	37 224 519	3 267 539	3 208 775	-1,8	3 366 133	3 155 574	-6,3
-Household appliances	9 302 066	843 668	941 529	11,6	849 571	898 323	5,7
Electrical machinery	43 550 964	3 810 128	3 865 984	1,5	3 762 754	3 709 982	-1,4
Radio, television and communication apparatus and professional equipment	14 051 600	1 336 799	1 460 107	9,2	1 288 305	1 357 102	5,3
-Radio, television and communication apparatus	6 499 645	678 691	737 307	8,6	649 734	676 593	4,1
-Professional equipment	7 551 955	658 108	722 800	9,8	638 571	680 508	6,6
Motor vehicles, parts and accessories and other transport equipment	182 251 860	16 351 361	16 357 912	-0,0	15 754 196	16 672 805	5,8
-Motor vehicles	92 059 875	7 847 490	8 322 168	6,0	7 992 724	8 831 827	10,5
-Bodies for motor vehicles, trailers and semi-trailers	8 192 883	732 256	770 294	5,2	716 468	722 830	0,9
-Parts and accessories	64 261 615	5 757 006	5 570 249	-3,2	5 424 845	5 527 245	1,9
-Other transport equipment	17 737 487	2 014 609	1 695 201	-15,9	1 620 159	1 590 903	-1,8
Furniture and other manufacturing division	61 138 249	5 335 750	5 457 099	2,3	5 227 173	5 326 576	1,9
-Furniture	12 246 361	1 023 965	1 225 068	19,6	1 190 604	1 220 210	2,5
-Other manufacturing groups	48 891 888	4 311 785	4 232 031	-1,8	4 036 570	4 106 366	1,7
Total	1 407 860 474	121 774 032	131 099 465	7,7	124 186 562	128 162 785	3,2

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)		
		Jun. to Aug. 2011	Jun. to Aug. 2012	% change between Jun. to Aug. 2011 and Jun. to Aug. 2012	Jun. to Aug. 2011	Jun. to Aug. 2012	% change between Jun. to Aug. 2011 and Jun. to Aug. 2012
Food and beverages	15,4	117,4	121,9	3,8	68 354 866	75 835 469	10,9
-Meat, fish, fruit, etc.	1,8	121,5	122,1	0,5	18 255 036	20 045 319	9,8
-Dairy products	0,8	109,0	117,3	7,6	5 817 802	6 676 200	14,8
-Grain mill products	0,8	110,2	120,9	9,7	11 987 719	13 800 778	15,1
-Other food products	5,2	129,4	131,3	1,5	16 482 384	17 884 118	8,5
-Beverages	6,8	109,0	115,2	5,7	15 811 925	17 429 054	10,2
Textiles, clothing, leather and footwear	4,9	82,9	82,2	-0,8	9 687 441	10 047 799	3,7
-Textiles	0,7	61,3	53,7	-12,4	1 106 264	1 062 423	-4,0
-Other textile products	0,9	73,9	72,2	-2,3	2 535 479	2 602 107	2,6
-Knitted, crocheted articles	0,2	84,8	67,6	-20,3	488 022	399 419	-18,2
-Wearing apparel	2,1	84,6	88,2	4,3	3 502 572	3 780 925	7,9
-Leather and leather products	0,6	92,5	93,6	1,2	1 211 622	1 333 243	10,0
-Footwear	0,4	112,7	107,0	-5,1	843 482	869 682	3,1
Wood and wood products, paper, publishing and printing	10,2	93,1	97,9	5,2	27 040 533	29 721 818	9,9
-Sawmilling and planing of wood	0,7	90,8	93,7	3,2	2 158 033	2 332 096	8,1
-Products of wood	1,3	88,7	92,0	3,7	3 984 627	4 284 911	7,5
-Paper and paper products	3,8	104,2	111,3	6,8	11 963 028	13 217 927	10,5
-Publishing	1,9	81,1	80,8	-0,4	3 704 340	3 942 678	6,4
-Printing, recorded media	2,5	87,8	94,1	7,2	5 230 505	5 944 206	13,6
Petroleum, chemical products, rubber and plastic products	22,1	115,3	121,2	5,1	80 181 587	92 269 350	15,1
-Coke, petroleum products and nuclear fuel	8,5	96,6	101,8	5,4	32 334 362	39 505 078	22,2
-Basic chemicals	4,5	132,2	129,9	-1,7	17 459 059	18 224 579	4,4
-Other chemical products	5,3	117,7	131,6	11,8	16 595 556	19 394 130	16,9
-Rubber products	1,0	98,0	95,0	-3,1	3 854 959	4 022 394	4,3
-Plastic products	2,7	147,1	156,9	6,7	9 937 651	11 123 169	11,9
Glass and non-metallic mineral products	4,8	102,1	100,7	-1,4	11 809 530	12 349 300	4,6
-Glass and glass products	1,0	116,7	121,6	4,2	1 796 035	2 009 440	11,9
-Non-metallic mineral products	3,8	98,5	95,4	-3,1	10 013 495	10 339 860	3,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	88,7	91,1	2,7	76 610 714	82 259 794	7,4
-Basic iron and steel products	7,7	68,5	69,7	1,8	23 265 202	23 747 445	2,1
-Non-ferrous metal products	3,4	110,4	92,0	-16,7	15 095 818	15 622 266	3,5
-Structural metal products	2,0	92,7	94,7	2,2	6 604 658	7 596 756	15,0
-Other fabricated metal products	3,8	111,7	126,5	13,2	12 811 259	14 866 263	16,0
-General purpose machinery	2,4	72,4	79,7	10,1	7 030 863	7 906 363	12,5
-Special purpose machinery	3,1	94,2	101,3	7,5	9 513 440	9 879 269	3,8
-Household appliances	0,6	102,3	119,4	16,7	2 289 474	2 641 432	15,4
Electrical machinery	2,5	129,4	137,3	6,1	10 876 767	11 953 327	9,9
Radio, television and communication apparatus and professional equipment	1,1	111,0	117,1	5,5	3 687 768	4 074 497	10,5
-Radio, television and communication apparatus	0,4	110,8	125,3	13,1	1 715 062	2 025 822	18,1
-Professional equipment	0,7	111,0	111,8	0,7	1 972 706	2 048 675	3,9
Motor vehicles, parts and accessories and other transport equipment	10,9	111,2	114,3	2,8	47 743 538	49 084 612	2,8
-Motor vehicles	4,9	106,8	121,0	13,3	23 985 150	25 349 987	5,7
-Bodies for motor vehicles, trailers and semi-trailers	0,5	128,5	133,3	3,7	2 095 815	2 192 321	4,6
-Parts and accessories	4,7	109,4	103,2	-5,7	16 567 059	16 582 025	0,1
-Other transport equipment	0,9	134,7	125,8	-6,6	5 095 514	4 960 279	-2,7
Furniture and other manufacturing division	5,2	98,0	96,5	-1,5	15 384 103	15 663 661	1,8
-Furniture	1,3	93,4	109,5	17,2	3 029 852	3 653 364	20,6
-Other manufacturing groups	3,9	99,5	92,1	-7,4	12 354 251	12 010 297	-2,8
Total	100,0	104,0	107,5	3,4	351 376 847	383 259 627	9,1

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 2005	Indices (base: 2005=100)				Value of sales (R million)			
		Jan. to Aug. 2011	Jan. to Aug. 2012	Annual % change between 2011 and 2012	Contribution (% points)	Jan. to Aug. 2011	Jan. to Aug. 2012	Annual % change between 2011 and 2012	Difference in sales between 2011 and 2012
Food and beverages	15,4	111,2	116,5	4,8	0,8	173 558	194 465	12,0	20 907
-Meat, fish, fruit, etc.	1,8	116,3	119,8	3,0	0,1	46 033	50 783	10,3	4 750
-Dairy products	0,8	110,2	117,3	6,4	0,1	15 391	17 562	14,1	2 171
-Grain mill products	0,8	105,7	113,2	7,1	0,1	29 526	34 665	17,4	5 139
-Other food products	5,2	110,8	114,6	3,4	0,2	40 607	44 926	10,6	4 319
-Beverages	6,8	111,0	117,3	5,7	0,4	42 001	46 530	10,8	4 529
Textiles, clothing, leather and footwear	4,9	79,6	79,6	0,0	0,0	24 687	25 651	3,9	964
-Textiles	0,7	61,0	57,6	-5,6	0,0	2 951	2 928	-0,8	-23
-Other textile products	0,9	70,5	70,0	-0,7	0,0	6 414	6 627	3,3	213
-Knitted, crocheted articles	0,2	96,3	75,9	-21,2	0,0	1 353	1 169	-13,6	-184
-Wearing apparel	2,1	79,9	81,1	1,5	0,0	8 774	9 232	5,2	458
-Leather and leather products	0,6	93,4	97,4	4,3	0,0	3 183	3 521	10,6	338
-Footwear	0,4	100,9	102,3	1,4	0,0	2 012	2 174	8,1	162
Wood and wood products, paper, publishing and printing	10,2	92,8	95,1	2,5	0,2	70 352	75 851	7,8	5 499
-Sawmilling and planing of wood	0,7	85,7	90,6	5,7	0,0	5 337	5 921	10,9	584
-Products of wood	1,3	85,7	86,3	0,7	0,0	10 214	10 707	4,8	493
-Paper and paper products	3,8	104,9	108,3	3,2	0,1	30 914	33 627	8,8	2 713
-Publishing	1,9	81,2	81,9	0,9	0,0	9 950	10 520	5,7	570
-Printing, recorded media	2,5	88,3	90,2	2,2	0,0	13 937	15 076	8,2	1 139
Petroleum, chemical products, rubber and plastic products	22,1	112,2	115,5	2,9	0,7	203 687	238 188	16,9	34 501
-Coke, petroleum products and nuclear fuel	8,5	95,3	94,8	-0,5	0,0	82 027	104 429	27,3	22 402
-Basic chemicals	4,5	127,0	129,0	1,6	0,1	43 941	47 507	8,1	3 566
-Other chemical products	5,3	115,6	122,9	6,3	0,4	43 165	47 686	10,5	4 521
-Rubber products	1,0	95,5	98,0	2,6	0,0	9 540	10 618	11,3	1 078
-Plastic products	2,7	140,2	149,8	6,8	0,3	25 014	27 947	11,7	2 933
Glass and non-metallic mineral products	4,8	93,0	95,4	2,6	0,1	28 595	30 789	7,7	2 194
-Glass and glass products	1,0	110,7	112,9	2,0	0,0	4 386	4 864	10,9	478
-Non-metallic mineral products	3,8	88,6	91,0	2,7	0,1	24 208	25 925	7,1	1 717
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	90,4	90,7	0,3	0,1	201 755	215 449	6,8	13 694
-Basic iron and steel products	7,7	79,7	74,2	-6,9	-0,4	65 885	66 475	0,9	590
-Non-ferrous metal products	3,4	108,5	94,7	-12,7	-0,5	39 845	39 834	0,0	-11
-Structural metal products	2,0	89,1	93,3	4,7	0,1	16 630	19 363	16,4	2 733
-Other fabricated metal products	3,8	109,0	119,4	9,5	0,4	32 244	37 249	15,5	5 005
-General purpose machinery	2,4	68,7	74,8	8,9	0,1	17 608	19 837	12,7	2 229
-Special purpose machinery	3,1	89,9	99,0	10,1	0,3	23 605	25 990	10,1	2 385
-Household appliances	0,6	97,7	112,7	15,4	0,1	5 937	6 702	12,9	765
-Electrical machinery	2,5	127,0	129,2	1,7	0,1	28 119	30 214	7,5	2 095
Radio, television and communication apparatus and professional equipment	1,1	101,2	107,9	6,6	0,1	8 844	9 740	10,1	896
-Radio, television and communication apparatus	0,4	97,2	111,6	14,8	0,1	3 958	4 644	17,3	686
-Professional equipment	0,7	103,8	105,5	1,6	0,0	4 886	5 096	4,3	210
Motor vehicles, parts and accessories and other transport equipment	10,9	104,1	106,8	2,6	0,3	118 456	121 701	2,7	3 245
-Motor vehicles	4,9	97,8	108,1	10,5	0,5	58 511	60 984	4,2	2 473
-Bodies for motor vehicles, trailers and semi-trailers	0,5	122,2	131,8	7,9	0,0	5 166	5 644	9,3	478
-Parts and accessories	4,7	105,1	101,8	-3,1	-0,2	42 604	43 219	1,4	615
-Other transport equipment	0,9	122,1	112,9	-7,5	-0,1	12 175	11 854	-2,6	-321
Furniture and other manufacturing division	5,2	93,6	92,0	-1,7	-0,1	39 852	41 039	3,0	1 187
-Furniture	1,3	87,8	97,6	11,2	0,1	7 525	8 658	15,1	1 133
-Other manufacturing groups	3,9	95,5	90,2	-5,5	-0,2	32 327	32 380	0,2	53
Total	100,0	101,0	103,3	2,3	2,3	897 905	983 087	9,5	85 182

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 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 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 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 2012 was 89,1%. Improved collection rate for July 2012 was 92,8%.
- 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 2 996 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 2 996 enterprises, which was drawn in April 2011 from a population then of 49 455 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 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 2012, 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 2012).

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 (Rand)

Enterprise size	Lower limits	Upper limits
Very small	0	15 000 000
Small	15 000 001	39 000 000
Medium	39 000 001	153 000 000
Large	153 000 001	

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 – 2012
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 are available via online services, diskette and computer printouts. For more details about our electronic data services, contact (012) 310 8600/8390/8351/4892/8496/8095.

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

Enquiries

Telephone number:	(012) 310 8249 (technical enquiries) (012) 310 8358 (orders) (012) 310 4883/4885/8018 (library)
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)
Postal address:	Private Bag X44, Pretoria, 0001

Produced by Stats SA