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Key figures for November 2012

Table A – Manufacturing production and sales

Estimates	November 2012	% change between November 2011 and November 2012	% change between September to November 2011 and September to November 2012	% change between January to November 2011 and January to November 2012
Physical volume of manufacturing production index (base: 2005=100)	121,1	3,4	1,5	2,0
Total estimated sales of manufactured products (R million)	148 329	9,4	5,5	8,2

Seasonally adjusted estimates	November 2012	% change between October and November 2012	% change between June to August 2012 and September to November 2012
Physical volume of manufacturing production index (base: 2005=100)	108,4	2,3	0,8
Total value of sales of manufactured products (R million)	132 300	2,1	2,0

Manufacturing production increased by 3,4% in November 2012 compared with November 2011.

The 3,4% year-on-year increase in manufacturing production in November 2012 was due to higher production in the following divisions:

- petroleum, chemical products, rubber and plastic products (11,4% and contributing 2,6 percentage points);
- motor vehicles, parts and accessories and ‘other’ transport equipment (6,7% and contributing 0,7 of a percentage point);
- furniture and ‘other’ manufacturing groups (7,0% and contributing 0,3 of a percentage point);
- radio, television and communication apparatus and professional equipment (13,8% and contributing 0,2 of a percentage point);
- textiles, clothing, leather and footwear (1,5% and contributing 0,1 of a percentage point);
- basic iron and steel, non-ferrous metal products, metal products and machinery (0,6% and contributing 0,1 of a percentage point); and
- wood and wood products, paper, publishing and printing (0,6% and contributing 0,1 of a percentage point) (see Table 4b).

Seasonally adjusted manufacturing production in the three months ended November 2012 increased by 0,8% compared with the previous three months. Six of the ten manufacturing divisions reported positive growth rates over this period.

The largest contributions to the increase of 0,8% were made by the following divisions:

- petroleum, chemical products, rubber and plastic products (5,9% and contributing 1,4 percentage points);
- wood and wood products, paper, publishing and printing (5,4% and contributing 0,5 of a percentage point);
- basic iron and steel, non-ferrous metal products, metal products and machinery (2,5% and contributing 0,5 of a percentage point); and
- radio, television and communication apparatus and professional equipment (6,8% and contributing 0,1 of a percentage point) (see Table B).

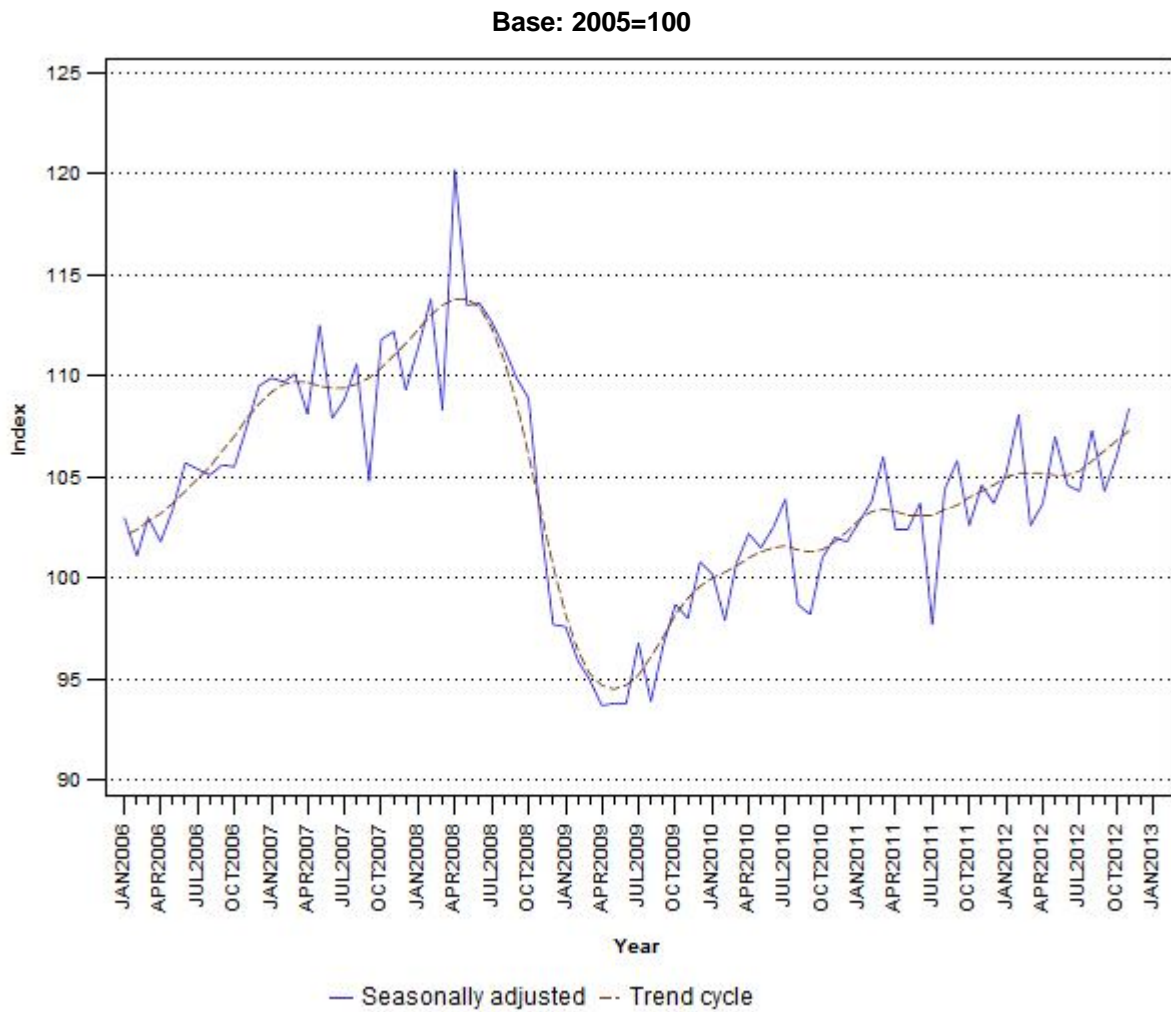
Table B – Contribution of manufacturing divisions and major groups to the total three-monthly seasonally adjusted manufacturing production

Base: 2005=100

Manufacturing divisions and major groups	Weights 2005	Average seasonally adjusted production index for June to August 2012	Average seasonally adjusted production index for September to November 2012	Quarterly % change of September to November 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	123,5	118,8	-3,8	-0,7
-Meat, fish, fruit, etc.	1,8	122,6	122,9	0,2	0,0
-Dairy products	0,8	123,4	120,3	-2,5	0,0
-Grain mill products	0,8	118,4	118,6	0,2	0,0
-Other food products	5,2	115,9	104,3	-10,0	-0,6
-Beverages	6,8	130,1	128,5	-1,2	-0,1
Textiles, clothing, leather and footwear	4,9	82,3	82,3	0,0	0,0
-Textiles	1,6	64,3	63,5	-1,2	0,0
-Wearing apparel	2,3	87,4	87,6	0,2	0,0
-Leather and leather products	0,6	94,8	100,5	6,0	0,0
-Footwear	0,4	103,7	97,1	-6,4	0,0
Wood and wood products, paper, publishing and printing	10,2	98,5	103,8	5,4	0,5
-Wood and products of wood	2,0	89,8	88,1	-1,9	0,0
-Paper and paper products	3,8	110,9	112,0	1,0	0,0
-Publishing and printing	4,3	91,6	103,8	13,3	0,5
Petroleum, chemical products, rubber and plastic products	22,1	117,0	123,9	5,9	1,4
-Coke, petroleum products and nuclear fuel	8,5	93,5	106,0	13,4	1,0
-Basic chemicals	4,5	126,0	135,3	7,4	0,4
-Other chemical products	5,3	132,2	131,8	-0,3	0,0
-Rubber products	1,0	94,3	91,4	-3,1	0,0
-Plastic products	2,7	154,1	157,5	2,2	0,1
Glass and non-metallic mineral products	4,8	95,2	95,9	0,7	0,0
-Glass and glass products	1,0	120,2	129,0	7,3	0,1
-Non-metallic mineral products	3,8	88,9	87,6	-1,5	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	89,5	91,7	2,5	0,5
-Basic iron and steel products	7,7	70,2	74,8	6,6	0,3
-Basic precious, non-ferrous metal products	3,4	91,2	101,3	11,1	0,3
-Fabricated metal products	5,7	110,4	110,2	-0,2	0,0
-Machinery and equipment	6,1	93,2	90,2	-3,2	-0,2
Electrical machinery	2,5	133,1	123,1	-7,5	-0,2
Radio, television and communication apparatus and professional equipment	1,1	110,4	117,9	6,8	0,1
-Radio, television and communication apparatus	0,4	122,0	135,1	10,7	0,0
-Professional equipment	0,7	103,1	107,0	3,8	0,0
Motor vehicles, parts and accessories and other transport equipment	10,9	109,3	101,3	-7,3	-0,8
-Motor vehicles	4,9	114,5	102,6	-10,4	-0,6
-Bodies for motor vehicles, trailers and semi-trailers	0,5	129,0	132,8	2,9	0,0
-Parts and accessories	4,7	99,7	93,8	-5,9	-0,3
-Other transport equipment	0,9	119,5	115,5	-3,3	0,0
Furniture and other manufacturing division	5,2	94,5	94,7	0,2	0,0
-Furniture	1,3	107,5	103,9	-3,3	0,0
-Other manufacturing groups	3,9	90,1	91,6	1,7	0,1
Total	100,0	105,4	106,2	0,8	0,8

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 2,0% (R7 501 million) in the three months ended November 2012 compared with the previous three months. Seven 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 petroleum, chemical products, rubber and plastic products (8,3% or R7 310 million); food and beverages (3,2% or R2 476 million); and wood and wood products, paper, publishing and printing (6,0% or R1 784 million).

These increases were partially counteracted by lower sales recorded for the motor vehicles, parts and accessories and other transport equipment division (-7,7% or -R3 718 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 June to August 2012	Seasonally adjusted sales September to November 2012	% change between June to August 2012 and September to November 2012	Difference in seasonally adjusted sales of manufacturing divisions between June to August 2012 and September to November 2012
	R'000	R'000	%	R'000
Food and beverages	77 501 418	79 977 728	3,2	2 476 310
-Food and food products	57 975 965	59 862 763	3,3	1 886 798
-Beverages	19 525 455	20 114 967	3,0	589 512
Textiles, clothing, leather and footwear	10 046 678	9 952 765	-0,9	-93 913
-Textiles	3 643 338	3 587 151	-1,5	-56 187
-Wearing apparel	4 196 145	4 225 663	0,7	29 518
-Leather and leather products	1 336 137	1 280 522	-4,2	-55 615
-Footwear	871 057	859 430	-1,3	-11 627
Wood and wood products, paper, publishing and printing	29 743 971	31 527 853	6,0	1 783 882
-Wood and products of wood	6 464 619	6 381 693	-1,3	-82 926
-Paper and paper products	13 035 306	13 328 235	2,2	292 929
-Publishing and printing	10 244 043	11 817 924	15,4	1 573 881
Petroleum, chemical products, rubber and plastic products	88 589 655	95 899 703	8,3	7 310 048
-Coke, petroleum products and nuclear fuel	35 936 250	41 799 507	16,3	5 863 257
-Basic chemicals	18 327 156	19 811 333	8,1	1 484 177
-Other chemical products	19 456 071	19 298 167	-0,8	-157 904
-Rubber products	3 916 959	3 835 316	-2,1	-81 643
-Plastic products	10 953 219	11 155 381	1,8	202 162
Glass and non-metallic mineral products	11 784 071	11 874 335	0,8	90 264
-Glass and glass products	2 066 203	2 129 241	3,1	63 038
-Non-metallic mineral products	9 717 868	9 745 094	0,3	27 226
Basic iron and steel, non-ferrous metal products, metal products and machinery	79 974 254	79 984 553	0,0	10 299
-Basic iron and steel products	22 870 335	23 449 815	2,5	579 480
-Basic precious, non-ferrous metal products	15 517 680	15 259 670	-1,7	-258 010
-Fabricated metal products	21 452 872	21 291 587	-0,8	-161 285
-Machinery and equipment	20 133 365	19 983 480	-0,7	-149 885
Electrical machinery	11 517 606	10 997 515	-4,5	-520 091
Radio, television and communication apparatus and professional equipment	3 890 067	4 033 552	3,7	143 485
-Radio, television and communication apparatus	1 964 570	2 074 434	5,6	109 864
-Professional equipment	1 925 497	1 959 117	1,7	33 620
Motor vehicles, parts and accessories and other transport equipment	48 348 819	44 630 707	-7,7	-3 718 112
-Motor vehicles, trailers, parts and accessories	43 662 605	40 021 975	-8,3	-3 640 630
-Other transport equipment	4 686 216	4 608 733	-1,7	-77 483
Furniture and other manufacturing division	15 496 943	15 515 484	0,1	18 541
-Furniture	3 612 705	3 520 138	-2,6	-92 567
-Other manufacturing groups	11 884 236	11 995 348	0,9	111 112
Total	376 893 480	384 394 195	2,0	7 500 715

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



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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	105,8
Jul	107,4	111,2	115,2	98,9	106,0	99,4	105,9
Aug	108,8	114,4	114,9	96,7	101,7	107,7	110,6
Sep	109,7	108,9	114,2	100,7	102,1	110,5	1/ 108,6
Oct	117,0	124,1	121,1	109,1	111,8	113,2	1/ 116,2
Nov	119,1	124,3	114,3	108,4	113,7	117,1	1/ 121,1
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	6,5
Aug	5,1	5,1	0,4	-15,8	5,2	5,9	2,7
Sep	2,0	-0,7	4,9	-11,8	1,4	8,2	-1,7
Oct	9,2	6,1	-2,4	-9,9	2,5	1,3	2,7
Nov	7,5	4,4	-8,0	-5,2	4,9	3,0	3,4
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	105,2
Feb	101,1	109,7	113,8	95,9	97,9	103,8	108,1
Mar	103,0	110,1	108,3	95,0	100,7	106,0	102,6
Apr	101,8	108,1	120,2	93,7	102,2	102,4	103,7
May	103,4	112,5	113,5	93,8	101,5	102,4	107,0
Jun	105,7	107,9	113,6	93,8	102,5	103,7	104,6
Jul	105,4	108,8	112,7	96,8	103,9	97,7	104,3
Aug	105,1	110,6	111,4	93,9	98,7	104,4	107,3
Sep	105,6	104,8	109,9	96,7	98,2	105,8	104,3
Oct	105,5	111,8	108,9	98,7	101,0	102,6	106,0
Nov	107,5	112,2	102,6	98,0	102,0	104,6	108,4
Dec	109,5	109,3	97,7	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		
			November 2011	1/ October 2012	1/ November 2012	November 2011	October 2012	November 2012
Food and beverages	15,4	119,2	138,1	133,0	137,5	122,4	119,6	121,3
-Meat, fish, fruit, etc.	1,8	120,2	132,7	130,9	131,0	123,0	127,0	121,1
-Dairy products	0,8	118,1	136,5	136,2	134,4	124,7	121,8	122,4
-Grain mill products	0,8	109,3	120,7	124,1	128,1	113,1	118,6	119,9
-Other food products	5,2	115,8	127,5	120,1	119,2	115,8	102,1	108,3
-Beverages	6,8	123,0	150,0	144,1	154,6	128,0	130,8	131,3
Textiles, clothing, leather and footwear	4,9	81,9	99,4	96,0	100,9	82,5	82,2	83,5
-Textiles	0,7	60,5	69,0	66,2	69,2	61,2	60,9	61,1
-Other textile products	0,9	72,7	88,2	74,5	80,9	73,0	64,4	66,7
-Knitted, crocheted articles	0,2	90,2	83,0	72,8	81,8	80,3	66,6	79,3
-Wearing apparel	2,1	83,2	102,1	106,8	112,4	81,8	89,5	90,0
-Leather and leather products	0,6	95,0	117,3	105,5	119,0	102,0	100,2	103,0
-Footwear	0,4	106,2	137,3	129,7	116,5	112,3	96,6	94,9
Wood and wood products, paper, publishing and printing	10,2	97,7	119,7	116,3	120,4	103,7	106,0	104,2
-Sawmilling and planing of wood	0,7	87,0	98,7	98,9	93,2	91,8	88,4	86,8
-Products of wood	1,3	88,5	106,0	101,4	106,0	89,8	90,7	89,6
-Paper and paper products	3,8	110,9	127,3	115,2	128,7	116,8	108,2	117,9
-Publishing	1,9	87,0	112,6	139,3	119,1	93,7	128,7	98,8
-Printing, recorded media	2,5	93,0	126,3	113,4	123,7	101,7	98,5	99,5
Petroleum, chemical products, rubber and plastic products	22,1	113,0	122,9	131,1	136,9	112,1	124,4	126,5
-Coke, petroleum products and nuclear fuel	8,5	88,7	75,5	99,7	101,1	80,6	105,7	109,0
-Basic chemicals	4,5	131,9	153,7	152,4	158,9	133,2	137,1	137,8
-Other chemical products	5,3	121,6	142,0	144,2	154,1	124,6	132,4	135,1
-Rubber products	1,0	96,7	123,3	100,6	102,7	107,9	93,3	89,4
-Plastic products	2,7	146,9	182,9	179,1	190,8	153,0	157,6	159,0
Glass and non-metallic mineral products	4,8	96,6	120,5	111,3	113,0	104,1	99,9	97,5
-Glass and glass products	1,0	116,4	165,2	153,8	158,4	131,6	131,6	127,0
-Non-metallic mineral products	3,8	91,7	109,3	100,7	101,7	97,2	91,9	90,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	91,8	100,6	99,4	101,2	93,4	91,1	93,7
-Basic iron and steel products	7,7	78,4	76,5	71,6	74,6	78,7	66,9	76,4
-Non-ferrous metal products	3,4	109,2	110,8	109,5	108,9	106,8	103,0	105,0
-Structural metal products	2,0	89,9	98,6	100,5	101,0	86,2	93,2	88,4
-Other fabricated metal products	3,8	112,0	139,7	137,6	142,4	118,2	124,9	120,3
-General purpose machinery	2,4	72,7	87,2	86,0	88,7	75,4	76,8	76,7
-Special purpose machinery	3,1	95,1	109,8	113,9	112,4	101,8	101,4	104,0
-Household appliances	0,6	101,4	116,5	131,4	131,5	101,7	116,0	115,2
Electrical machinery	2,5	130,0	153,3	130,7	142,5	135,5	123,3	125,5
Radio, television and communication apparatus and professional equipment	1,1	105,9	119,2	123,4	135,7	105,5	118,0	119,0
-Radio, television and communication apparatus	0,4	104,2	123,9	143,3	171,8	103,6	134,2	142,6
-Professional equipment	0,7	107,0	116,2	110,8	112,8	106,7	107,8	104,0
Motor vehicles, parts and accessories and other transport equipment	10,9	103,1	110,2	108,1	117,6	98,0	92,9	104,7
-Motor vehicles	4,9	96,5	100,2	104,6	120,5	89,5	85,6	108,2
-Bodies for motor vehicles, trailers and semi-trailers	0,5	126,9	150,0	154,0	164,1	126,8	132,6	139,0
-Parts and accessories	4,7	104,7	117,0	104,0	109,3	103,3	92,5	95,5
-Other transport equipment	0,9	117,7	109,1	124,2	121,0	102,4	112,6	115,0
Furniture and other manufacturing division	5,2	92,9	107,3	109,6	114,8	91,4	97,5	97,3
-Furniture	1,3	93,8	126,7	129,7	140,1	96,3	104,7	106,8
-Other manufacturing groups	3,9	92,6	100,8	102,9	106,3	89,7	95,1	94,1
Total	100,0	103,5	117,1	116,2	121,1	104,6	106,0	108,4

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		
			November 2011	1/ November 2012	% change between November 2011 and November 2012	October 2012	November 2012	% change between October and November 2012
Food and beverages	15,4	119,2	138,1	137,5	-0,4	119,6	121,3	1,4
-Meat, fish, fruit, etc.	1,8	120,2	132,7	131,0	-1,3	127,0	121,1	-4,6
-Dairy products	0,8	118,1	136,5	134,4	-1,5	121,8	122,4	0,5
-Grain mill products	0,8	109,3	120,7	128,1	6,1	118,6	119,9	1,1
-Other food products	5,2	115,8	127,5	119,2	-6,5	102,1	108,3	6,1
-Beverages	6,8	123,0	150,0	154,6	3,1	130,8	131,3	0,4
Textiles, clothing, leather and footwear	4,9	81,9	99,4	100,9	1,5	82,2	83,5	1,6
-Textiles	0,7	60,5	69,0	69,2	0,3	60,9	61,1	0,3
-Other textile products	0,9	72,7	88,2	80,9	-8,3	64,4	66,7	3,6
-Knitted, crocheted articles	0,2	90,2	83,0	81,8	-1,4	66,6	79,3	19,1
-Wearing apparel	2,1	83,2	102,1	112,4	10,1	89,5	90,0	0,6
-Leather and leather products	0,6	95,0	117,3	119,0	1,4	100,2	103,0	2,8
-Footwear	0,4	106,2	137,3	116,5	-15,1	96,6	94,9	-1,8
Wood and wood products, paper, publishing and printing	10,2	97,7	119,7	120,4	0,6	106,0	104,2	-1,7
-Sawmilling and planing of wood	0,7	87,0	98,7	93,2	-5,6	88,4	86,8	-1,8
-Products of wood	1,3	88,5	106,0	106,0	0,0	90,7	89,6	-1,2
-Paper and paper products	3,8	110,9	127,3	128,7	1,1	108,2	117,9	9,0
-Publishing	1,9	87,0	112,6	119,1	5,8	128,7	98,8	-23,2
-Printing, recorded media	2,5	93,0	126,3	123,7	-2,1	98,5	99,5	1,0
Petroleum, chemical products, rubber and plastic products	22,1	113,0	122,9	136,9	11,4	124,4	126,5	1,7
-Coke, petroleum products and nuclear fuel	8,5	88,7	75,5	101,1	33,9	105,7	109,0	3,1
-Basic chemicals	4,5	131,9	153,7	158,9	3,4	137,1	137,8	0,5
-Other chemical products	5,3	121,6	142,0	154,1	8,5	132,4	135,1	2,0
-Rubber products	1,0	96,7	123,3	102,7	-16,7	93,3	89,4	-4,2
-Plastic products	2,7	146,9	182,9	190,8	4,3	157,6	159,0	0,9
Glass and non-metallic mineral products	4,8	96,6	120,5	113,0	-6,2	99,9	97,5	-2,4
-Glass and glass products	1,0	116,4	165,2	158,4	-4,1	131,6	127,0	-3,5
-Non-metallic mineral products	3,8	91,7	109,3	101,7	-7,0	91,9	90,2	-1,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	91,8	100,6	101,2	0,6	91,1	93,7	2,9
-Basic iron and steel products	7,7	78,4	76,5	74,6	-2,5	66,9	76,4	14,2
-Non-ferrous metal products	3,4	109,2	110,8	108,9	-1,7	103,0	105,0	1,9
-Structural metal products	2,0	89,9	98,6	101,0	2,4	93,2	88,4	-5,2
-Other fabricated metal products	3,8	112,0	139,7	142,4	1,9	124,9	120,3	-3,7
-General purpose machinery	2,4	72,7	87,2	88,7	1,7	76,8	76,7	-0,1
-Special purpose machinery	3,1	95,1	109,8	112,4	2,4	101,4	104,0	2,6
-Household appliances	0,6	101,4	116,5	131,5	12,9	116,0	115,2	-0,7
Electrical machinery	2,5	130,0	153,3	142,5	-7,0	123,3	125,5	1,8
Radio, television and communication apparatus and professional equipment	1,1	105,9	119,2	135,7	13,8	118,0	119,0	0,8
-Radio, television and communication apparatus	0,4	104,2	123,9	171,8	38,7	134,2	142,6	6,3
-Professional equipment	0,7	107,0	116,2	112,8	-2,9	107,8	104,0	-3,5
Motor vehicles, parts and accessories and other transport equipment	10,9	103,1	110,2	117,6	6,7	92,9	104,7	12,7
-Motor vehicles	4,9	96,5	100,2	120,5	20,3	85,6	108,2	26,4
-Bodies for motor vehicles, trailers and semi-trailers	0,5	126,9	150,0	164,1	9,4	132,6	139,0	4,8
-Parts and accessories	4,7	104,7	117,0	109,3	-6,6	92,5	95,5	3,2
-Other transport equipment	0,9	117,7	109,1	121,0	10,9	112,6	115,0	2,1
Furniture and other manufacturing division	5,2	92,9	107,3	114,8	7,0	97,5	97,3	-0,2
-Furniture	1,3	93,8	126,7	140,1	10,6	104,7	106,8	2,0
-Other manufacturing groups	3,9	92,6	100,8	106,3	5,5	95,1	94,1	-1,1
Total	100,0	103,5	117,1	121,1	3,4	106,0	108,4	2,3

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	127 603 367
Jul	90 340 495	101 001 703	130 306 185	101 194 755	110 310 285	110 290 349	124 597 549
Aug	94 106 608	106 756 672	128 075 397	102 171 776	107 873 773	121 774 032	130 989 591
Sep	96 312 774	102 072 116	127 557 225	106 385 385	110 151 480	129 822 841	1/ 128 466 040
Oct	101 657 037	115 324 079	133 838 287	111 499 001	118 674 521	130 325 799	1/ 140 553 962
Nov	105 210 421	117 861 959	124 514 657	113 598 170	123 230 894	135 588 107	1/ 148 329 004
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	13,0
Aug	15,9	13,4	20,0	-20,2	5,6	12,9	7,6
Sep	14,3	6,0	25,0	-16,6	3,5	17,9	-1,0
Oct	20,8	13,4	16,1	-16,7	6,4	9,8	7,8
Nov	19,6	12,0	5,6	-8,8	8,5	10,0	9,4
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	81 502 849	98 456 387	110 175 054	104 103 039	105 079 845	112 097 771	124 063 940
Feb	79 531 143	99 114 577	115 328 979	103 358 029	103 459 497	113 292 518	128 323 031
Mar	82 404 322	98 732 859	112 793 328	102 938 704	107 212 376	117 515 824	124 204 467
Apr	81 093 296	98 644 957	127 484 268	98 512 804	107 082 728	113 773 840	124 008 513
May	85 057 635	102 814 984	121 287 085	98 182 385	106 938 532	114 996 967	127 475 584
Jun	87 727 146	98 357 725	123 542 037	97 625 876	108 597 821	116 657 899	124 752 284
Jul	88 636 710	98 969 853	127 327 233	99 735 381	109 129 564	109 545 644	124 000 689
Aug	90 932 814	103 277 998	123 751 039	99 411 046	105 432 365	119 111 654	128 140 507
Sep	91 276 441	96 839 111	121 085 187	101 202 606	104 673 782	123 553 910	122 519 069
Oct	92 459 055	104 752 669	121 680 798	101 754 458	108 565 565	119 749 259	129 575 448
Nov	94 677 438	106 044 524	111 864 239	101 846 128	109 772 042	120 691 577	132 299 678
Dec	94 166 857	105 057 947	108 244 150	106 282 737	111 544 541	125 660 042	

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		
		November 2011	1/ October 2012	1/ November 2012	November 2011	October 2012	November 2012
Food and beverages	280 767 606	27 656 885	29 191 406	30 344 682	24 728 374	27 307 220	27 088 349
-Meat, fish, fruit, etc.	73 509 709	7 020 881	7 508 246	7 697 718	6 378 355	7 129 313	6 980 172
-Dairy products	24 682 334	2 411 203	2 535 700	2 503 573	2 220 713	2 353 427	2 299 264
-Grain mill products	46 889 771	4 469 259	5 016 785	5 184 076	4 137 770	4 760 328	4 795 671
-Other food products	64 239 523	6 602 139	6 773 377	6 932 567	5 745 594	6 190 720	6 031 629
-Beverages	71 446 269	7 153 403	7 357 298	8 026 748	6 245 942	6 873 432	6 981 614
Textiles, clothing, leather and footwear	38 540 626	3 952 057	3 832 337	4 145 921	3 246 485	3 346 769	3 394 364
-Textiles	4 426 801	420 539	452 740	453 654	371 615	419 054	399 786
-Other textile products	10 082 035	1 016 334	893 034	983 821	844 987	779 554	816 094
-Knitted, crocheted articles	1 961 494	180 183	140 264	165 827	163 858	135 321	149 872
-Wearing apparel	13 859 807	1 467 938	1 512 398	1 637 092	1 161 526	1 294 172	1 295 304
-Leather and leather products	4 873 890	469 024	471 415	495 211	422 817	432 378	444 334
-Footwear	3 336 599	398 039	362 486	410 316	281 681	286 291	288 974
Wood and wood products, paper, publishing and printing	111 824 849	11 499 402	11 863 345	12 387 310	9 972 363	10 904 106	10 717 720
-Sawmilling and planing of wood	8 297 609	798 837	839 595	793 929	740 549	732 517	739 112
-Products of wood	15 877 870	1 611 461	1 612 824	1 745 597	1 363 954	1 453 034	1 472 418
-Paper and paper products	49 458 557	4 850 301	4 502 763	5 223 631	4 387 528	4 368 675	4 710 839
-Publishing	16 049 876	1 686 616	2 367 605	2 009 991	1 423 539	2 163 103	1 691 100
-Printing, recorded media	22 140 937	2 552 187	2 540 558	2 614 162	2 056 792	2 186 776	2 104 251
Petroleum, chemical products, rubber and plastic products	318 352 312	30 118 036	34 896 164	36 072 829	27 740 130	32 381 190	33 750 072
-Coke, petroleum products and nuclear fuel	124 093 250	10 050 324	14 308 036	14 279 471	10 687 482	14 097 913	15 273 803
-Basic chemicals	70 819 287	7 281 200	7 634 441	8 032 934	6 213 083	6 603 745	6 847 055
-Other chemical products	68 766 255	7 035 481	7 197 857	7 767 017	5 980 017	6 564 604	6 585 284
-Rubber products	14 986 294	1 639 343	1 404 788	1 470 180	1 421 648	1 320 466	1 267 864
-Plastic products	39 687 226	4 111 688	4 351 042	4 523 227	3 437 899	3 794 463	3 776 066
Glass and non-metallic mineral products	44 849 547	4 638 535	4 634 717	4 876 696	3 909 495	4 141 453	4 093 637
-Glass and glass products	7 240 340	862 426	846 946	927 218	620 740	715 865	665 090
-Non-metallic mineral products	37 609 207	3 776 109	3 787 771	3 949 478	3 288 755	3 425 588	3 428 547
Basic iron and steel, non-ferrous metal products, metal products and machinery	312 532 861	29 746 275	29 402 430	30 982 515	26 873 920	27 064 857	27 823 066
-Basic iron and steel products	99 408 140	9 255 484	8 096 182	8 851 767	8 802 340	7 652 332	8 284 793
-Non-ferrous metal products	61 809 327	5 012 097	5 523 529	6 125 069	4 504 046	5 128 426	5 515 133
-Structural metal products	25 697 747	2 499 576	2 760 561	2 773 863	2 217 086	2 530 939	2 461 466
-Other fabricated metal products	50 775 598	5 595 534	5 314 076	5 576 888	4 706 929	4 811 142	4 678 900
-General purpose machinery	28 315 464	2 923 585	2 943 802	2 962 400	2 522 417	2 584 891	2 550 369
-Special purpose machinery	37 224 519	3 537 362	3 807 979	3 745 569	3 312 511	3 525 291	3 499 725
-Household appliances	9 302 066	922 637	956 301	946 959	808 592	831 836	832 679
Electrical machinery	43 550 964	4 299 825	3 826 431	4 257 854	3 795 492	3 680 192	3 744 514
Radio, television and communication apparatus and professional equipment	14 051 600	1 357 125	1 388 779	1 614 667	1 222 988	1 326 359	1 439 232
-Radio, television and communication apparatus	6 499 645	669 821	729 540	944 878	570 220	675 931	801 380
-Professional equipment	7 551 955	687 304	659 239	669 789	652 768	650 428	637 852
Motor vehicles, parts and accessories and other transport equipment	182 251 860	16 552 502	15 973 542	17 637 930	14 036 454	14 252 779	14 904 538
-Motor vehicles	92 059 875	8 191 680	8 034 987	9 120 929	6 653 434	7 020 497	7 382 222
-Bodies for motor vehicles, trailers and semi-trailers	8 192 883	847 150	836 497	856 727	700 312	715 212	710 223
-Parts and accessories	64 261 615	6 119 492	5 452 242	6 044 875	5 370 199	5 017 406	5 272 260
-Other transport equipment	17 737 487	1 394 180	1 649 816	1 615 399	1 312 509	1 499 665	1 539 833
Furniture and other manufacturing division	61 138 249	5 767 465	5 544 811	6 008 600	5 165 877	5 170 522	5 344 185
-Furniture	12 246 361	1 436 655	1 509 548	1 628 053	1 069 648	1 193 915	1 212 758
-Other manufacturing groups	48 891 888	4 330 810	4 035 263	4 380 547	4 096 229	3 976 608	4 131 428
Total	1 407 860 474	135 588 107	140 553 962	148 329 004	120 691 577	129 575 448	132 299 678

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		
		November 2011	1/ November 2012	% change between November 2011 and November 2012	October 2012	November 2012	% change between October and November 2012
Food and beverages	280 767 606	27 656 885	30 344 682	9,7	27 307 220	27 088 349	-0,8
-Meat, fish, fruit, etc.	73 509 709	7 020 881	7 697 718	9,6	7 129 313	6 980 172	-2,1
-Dairy products	24 682 334	2 411 203	2 503 573	3,8	2 353 427	2 299 264	-2,3
-Grain mill products	46 889 771	4 469 259	5 184 076	16,0	4 760 328	4 795 671	0,7
-Other food products	64 239 523	6 602 139	6 932 567	5,0	6 190 720	6 031 629	-2,6
-Beverages	71 446 269	7 153 403	8 026 748	12,2	6 873 432	6 981 614	1,6
Textiles, clothing, leather and footwear	38 540 626	3 952 057	4 145 921	4,9	3 346 769	3 394 364	1,4
-Textiles	4 426 801	420 539	453 654	7,9	419 054	399 786	-4,6
-Other textile products	10 082 035	1 016 334	983 821	-3,2	779 554	816 094	4,7
-Knitted, crocheted articles	1 961 494	180 183	165 827	-8,0	135 321	149 872	10,8
-Wearing apparel	13 859 807	1 467 938	1 637 092	11,5	1 294 172	1 295 304	0,1
-Leather and leather products	4 873 890	469 024	495 211	5,6	432 378	444 334	2,8
-Footwear	3 336 599	398 039	410 316	3,1	286 291	288 974	0,9
Wood and wood products, paper, publishing and printing	111 824 849	11 499 402	12 387 310	7,7	10 904 106	10 717 720	-1,7
-Sawmilling and planing of wood	8 297 609	798 837	793 929	-0,6	732 517	739 112	0,9
-Products of wood	15 877 870	1 611 461	1 745 597	8,3	1 453 034	1 472 418	1,3
-Paper and paper products	49 458 557	4 850 301	5 223 631	7,7	4 368 675	4 710 839	7,8
-Publishing	16 049 876	1 686 616	2 009 991	19,2	2 163 103	1 691 100	-21,8
-Printing, recorded media	22 140 937	2 552 187	2 614 162	2,4	2 186 776	2 104 251	-3,8
Petroleum, chemical products, rubber and plastic products	318 352 312	30 118 036	36 072 829	19,8	32 381 190	33 750 072	4,2
-Coke, petroleum products and nuclear fuel	124 093 250	10 050 324	14 279 471	42,1	14 097 913	15 273 803	8,3
-Basic chemicals	70 819 287	7 281 200	8 032 934	10,3	6 603 745	6 847 055	3,7
-Other chemical products	68 766 255	7 035 481	7 767 017	10,4	6 564 604	6 585 284	0,3
-Rubber products	14 986 294	1 639 343	1 470 180	-10,3	1 320 466	1 267 864	-4,0
-Plastic products	39 687 226	4 111 688	4 523 227	10,0	3 794 463	3 776 066	-0,5
Glass and non-metallic mineral products	44 849 547	4 638 535	4 876 696	5,1	4 141 453	4 093 637	-1,2
-Glass and glass products	7 240 340	862 426	927 218	7,5	715 865	665 090	-7,1
-Non-metallic mineral products	37 609 207	3 776 109	3 949 478	4,6	3 425 588	3 428 547	0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	312 532 861	29 746 275	30 982 515	4,2	27 064 857	27 823 066	2,8
-Basic iron and steel products	99 408 140	9 255 484	8 851 767	-4,4	7 652 332	8 284 793	8,3
-Non-ferrous metal products	61 809 327	5 012 097	6 125 069	22,2	5 128 426	5 515 133	7,5
-Structural metal products	25 697 747	2 499 576	2 773 863	11,0	2 530 939	2 461 466	-2,7
-Other fabricated metal products	50 775 598	5 595 534	5 576 888	-0,3	4 811 142	4 678 900	-2,7
-General purpose machinery	28 315 464	2 923 585	2 962 400	1,3	2 584 891	2 550 369	-1,3
-Special purpose machinery	37 224 519	3 537 362	3 745 569	5,9	3 525 291	3 499 725	-0,7
-Household appliances	9 302 066	922 637	946 959	2,6	831 836	832 679	0,1
Electrical machinery	43 550 964	4 299 825	4 257 854	-1,0	3 680 192	3 744 514	1,7
Radio, television and communication apparatus and professional equipment	14 051 600	1 357 125	1 614 667	19,0	1 326 359	1 439 232	8,5
-Radio, television and communication apparatus	6 499 645	669 821	944 878	41,1	675 931	801 380	18,6
-Professional equipment	7 551 955	687 304	669 789	-2,5	650 428	637 852	-1,9
Motor vehicles, parts and accessories and other transport equipment	182 251 860	16 552 502	17 637 930	6,6	14 252 779	14 904 538	4,6
-Motor vehicles	92 059 875	8 191 680	9 120 929	11,3	7 020 497	7 382 222	5,2
-Bodies for motor vehicles, trailers and semi-trailers	8 192 883	847 150	856 727	1,1	715 212	710 223	-0,7
-Parts and accessories	64 261 615	6 119 492	6 044 875	-1,2	5 017 406	5 272 260	5,1
-Other transport equipment	17 737 487	1 394 180	1 615 399	15,9	1 499 665	1 539 833	2,7
Furniture and other manufacturing division	61 138 249	5 767 465	6 008 600	4,2	5 170 522	5 344 185	3,4
-Furniture	12 246 361	1 436 655	1 628 053	13,3	1 193 915	1 212 758	1,6
-Other manufacturing groups	48 891 888	4 330 810	4 380 547	1,1	3 976 608	4 131 428	3,9
Total	1 407 860 474	135 588 107	148 329 004	9,4	129 575 448	132 299 678	2,1

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)		
		Sep. to Nov. 2011	Sep. to Nov. 2012	% change between Sep. to Nov. 2011 and Sep. to Nov. 2012	Sep. to Nov. 2011	Sep. to Nov. 2012	% change between Sep. to Nov. 2011 and Sep. to Nov. 2012
Food and beverages	15,4	134,9	130,9	-3,0	78 731 635	86 067 202	9,3
-Meat, fish, fruit, etc.	1,8	127,2	128,1	0,7	20 362 097	22 203 758	9,0
-Dairy products	0,8	133,9	130,9	-2,2	6 907 417	7 241 826	4,8
-Grain mill products	0,8	118,1	125,0	5,8	13 072 944	14 986 892	14,6
-Other food products	5,2	132,9	117,4	-11,7	18 160 845	19 716 818	8,6
-Beverages	6,8	140,6	142,6	1,4	20 228 332	21 917 908	8,4
Textiles, clothing, leather and footwear	4,9	93,8	93,9	0,1	11 137 193	11 284 895	1,3
-Textiles	0,7	64,4	64,6	0,3	1 191 696	1 272 504	6,8
-Other textile products	0,9	85,6	74,8	-12,6	2 952 080	2 686 295	-9,0
-Knitted, crocheted articles	0,2	83,7	73,3	-12,4	494 311	428 808	-13,3
-Wearing apparel	2,1	96,3	103,8	7,8	4 054 743	4 428 064	9,2
-Leather and leather products	0,6	105,7	106,0	0,3	1 360 804	1 379 769	1,4
-Footwear	0,4	131,1	120,6	-8,0	1 083 559	1 089 455	0,5
Wood and wood products, paper, publishing and printing	10,2	110,6	115,0	4,0	31 931 049	34 940 603	9,4
-Sawmilling and planing of wood	0,7	94,5	94,0	-0,5	2 325 461	2 358 748	1,4
-Products of wood	1,3	100,5	99,5	-1,0	4 546 852	4 790 627	5,4
-Paper and paper products	3,8	125,4	120,6	-3,8	14 180 233	14 478 959	2,1
-Publishing	1,9	95,0	121,7	28,1	4 336 211	6 035 565	39,2
-Printing, recorded media	2,5	109,4	115,2	5,3	6 542 292	7 276 704	11,2
Petroleum, chemical products, rubber and plastic products	22,1	118,2	129,9	9,9	88 912 320	101 888 897	14,6
-Coke, petroleum products and nuclear fuel	8,5	74,3	98,8	33,0	31 943 593	40 994 902	28,3
-Basic chemicals	4,5	146,4	148,8	1,6	21 044 729	22 512 820	7,0
-Other chemical products	5,3	137,9	144,7	4,9	19 722 702	21 564 515	9,3
-Rubber products	1,0	113,0	100,2	-11,3	4 405 083	4 147 302	-5,9
-Plastic products	2,7	172,5	177,6	3,0	11 796 213	12 669 358	7,4
Glass and non-metallic mineral products	4,8	112,6	107,4	-4,6	13 174 408	13 558 680	2,9
-Glass and glass products	1,0	139,9	150,5	7,6	2 269 545	2 633 959	16,1
-Non-metallic mineral products	3,8	105,8	96,6	-8,7	10 904 863	10 924 721	0,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	99,4	98,1	-1,3	87 080 475	86 964 629	-0,1
-Basic iron and steel products	7,7	77,6	76,2	-1,8	26 158 553	24 581 398	-6,0
-Non-ferrous metal products	3,4	113,1	105,5	-6,7	16 866 955	16 797 687	-0,4
-Structural metal products	2,0	97,7	96,2	-1,5	7 269 450	7 996 625	10,0
-Other fabricated metal products	3,8	129,1	134,3	4,0	15 082 003	15 578 863	3,3
-General purpose machinery	2,4	86,1	85,1	-1,2	8 527 310	8 605 589	0,9
-Special purpose machinery	3,1	109,8	106,4	-3,1	10 472 650	10 720 673	2,4
-Household appliances	0,6	118,4	122,8	3,7	2 703 554	2 683 794	-0,7
Electrical machinery	2,5	148,3	135,0	-9,0	12 575 290	11 943 171	-5,0
Radio, television and communication apparatus and professional equipment	1,1	121,0	128,4	6,1	4 062 417	4 391 593	8,1
-Radio, television and communication apparatus	0,4	128,8	149,3	15,9	2 043 608	2 317 553	13,4
-Professional equipment	0,7	116,1	115,1	-0,9	2 018 809	2 074 040	2,7
Motor vehicles, parts and accessories and other transport equipment	10,9	113,4	112,6	-0,7	51 618 886	49 700 319	-3,7
-Motor vehicles	4,9	107,6	115,3	7,2	26 879 121	25 568 773	-4,9
-Bodies for motor vehicles, trailers and semi-trailers	0,5	148,6	150,4	1,2	2 449 151	2 414 458	-1,4
-Parts and accessories	4,7	115,9	104,6	-9,7	17 938 232	16 922 988	-5,7
-Other transport equipment	0,9	114,1	120,3	5,4	4 352 382	4 794 100	10,1
Furniture and other manufacturing division	5,2	100,9	104,5	3,6	16 513 074	16 609 017	0,6
-Furniture	1,3	116,7	125,9	7,9	3 844 541	4 314 920	12,2
-Other manufacturing groups	3,9	95,6	97,4	1,9	12 668 533	12 294 097	-3,0
Total	100,0	113,6	115,3	1,5	395 736 747	417 349 006	5,5

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 Nov. 2011	Jan. to Nov. 2012	Annual % change between 2011 and 2012	Contribution (% points) 1/	Jan. to Nov. 2011	Jan. to Nov. 2012	Annual % change between 2011 and 2012	Difference in sales between 2011 and 2012
Food and beverages	15,4	117,7	120,4	2,3	0,4	252 289	280 538	11,2	28 249
-Meat, fish, fruit, etc.	1,8	119,3	122,1	2,3	0,0	66 395	73 001	9,9	6 606
-Dairy products	0,8	116,7	120,9	3,6	0,0	22 299	24 816	11,3	2 517
-Grain mill products	0,8	109,0	116,2	6,6	0,1	42 598	49 643	16,5	7 045
-Other food products	5,2	116,8	115,4	-1,2	-0,1	58 767	64 648	10,0	5 881
-Beverages	6,8	119,0	124,2	4,4	0,3	62 229	68 430	10,0	6 201
Textiles, clothing, leather and footwear	4,9	83,5	83,6	0,1	0,0	35 824	36 978	3,2	1 154
-Textiles	0,7	61,9	60,2	-2,7	0,0	4 143	4 216	1,8	73
-Other textile products	0,9	74,6	71,3	-4,4	0,0	9 366	9 316	-0,5	-50
-Knitted, crocheted articles	0,2	92,9	75,7	-18,5	0,0	1 847	1 610	-12,8	-237
-Wearing apparel	2,1	84,4	87,3	3,4	0,1	12 829	13 669	6,5	840
-Leather and leather products	0,6	96,7	99,9	3,3	0,0	4 544	4 903	7,9	359
-Footwear	0,4	109,1	107,2	-1,7	0,0	3 096	3 263	5,4	167
Wood and wood products, paper, publishing and printing	10,2	97,6	100,6	3,1	0,3	102 283	110 876	8,4	8 593
-Sawmilling and planing of wood	0,7	88,1	91,3	3,6	0,0	7 663	8 268	7,9	605
-Products of wood	1,3	89,7	89,9	0,2	0,0	14 761	15 497	5,0	736
-Paper and paper products	3,8	110,5	111,7	1,1	0,0	45 095	48 118	6,7	3 023
-Publishing	1,9	85,0	93,4	9,9	0,2	14 286	16 665	16,7	2 379
-Printing, recorded media	2,5	94,1	96,9	3,0	0,1	20 479	22 328	9,0	1 849
Petroleum, chemical products, rubber and plastic products	22,1	113,8	119,4	4,9	1,2	292 600	340 009	16,2	47 409
-Coke, petroleum products and nuclear fuel	8,5	89,5	95,9	7,2	0,5	113 971	145 424	27,6	31 453
-Basic chemicals	4,5	132,3	134,1	1,4	0,1	64 986	70 017	7,7	5 031
-Other chemical products	5,3	121,6	129,0	6,1	0,4	62 888	69 290	10,2	6 402
-Rubber products	1,0	100,3	98,5	-1,8	0,0	13 945	14 748	5,8	803
-Plastic products	2,7	149,0	157,1	5,4	0,2	36 810	40 530	10,1	3 720
Glass and non-metallic mineral products	4,8	98,3	98,6	0,3	0,0	41 769	44 327	6,1	2 558
-Glass and glass products	1,0	118,6	123,0	3,7	0,0	6 656	7 498	12,7	842
-Non-metallic mineral products	3,8	93,3	92,5	-0,9	0,0	35 113	36 829	4,9	1 716
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	92,8	92,7	-0,1	0,0	288 836	302 251	4,6	13 415
-Basic iron and steel products	7,7	79,1	74,7	-5,6	-0,3	92 044	91 057	-1,1	-987
-Non-ferrous metal products	3,4	109,8	97,7	-11,0	-0,4	56 712	56 481	-0,4	-231
-Structural metal products	2,0	91,5	93,8	2,5	0,0	23 900	27 347	14,4	3 447
-Other fabricated metal products	3,8	114,5	123,5	7,9	0,3	47 326	52 824	11,6	5 498
-General purpose machinery	2,4	73,4	77,6	5,7	0,1	26 135	28 427	8,8	2 292
-Special purpose machinery	3,1	95,3	101,0	6,0	0,2	34 078	36 728	7,8	2 650
-Household appliances	0,6	103,3	115,5	11,8	0,1	8 640	9 386	8,6	746
-Electrical machinery	2,5	132,8	130,9	-1,4	0,0	40 694	42 199	3,7	1 505
Radio, television and communication apparatus and professional equipment	1,1	106,6	112,9	5,9	0,1	12 906	14 115	9,4	1 209
-Radio, television and communication apparatus	0,4	105,8	122,1	15,4	0,1	6 001	6 977	16,3	976
-Professional equipment	0,7	107,1	107,0	-0,1	0,0	6 905	7 138	3,4	233
Motor vehicles, parts and accessories and other transport equipment	10,9	106,6	108,4	1,7	0,2	170 075	171 445	0,8	1 370
-Motor vehicles	4,9	100,5	110,1	9,6	0,5	85 390	86 595	1,4	1 205
-Bodies for motor vehicles, trailers and semi-trailers	0,5	129,4	137,1	6,0	0,0	7 615	8 058	5,8	443
-Parts and accessories	4,7	108,1	102,5	-5,2	-0,3	60 543	60 116	-0,7	-427
-Other transport equipment	0,9	119,9	115,1	-4,0	0,0	16 527	16 676	0,9	149
Furniture and other manufacturing division	5,2	95,6	95,4	-0,2	0,0	56 365	57 629	2,2	1 264
-Furniture	1,3	95,7	105,3	10,0	0,1	11 369	12 971	14,1	1 602
-Other manufacturing groups	3,9	95,6	92,1	-3,7	-0,1	44 995	44 659	-0,7	-336
Total	100,0	104,4	106,5	2,0	2,0	1 293 642	1 400 367	8,2	106 725

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 November 2012 was 78,9%. Improved collection rate for October 2012 was 91,5%.
- Statistical unit**
- 10 The statistical unit for which information is compiled and published is the enterprise, defined as a legal unit or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.

Survey methodology and design

- 11 The survey is conducted monthly. Questionnaires are sent to a sample of 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 2012 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.

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