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Key figures for October 2012

Table A – Manufacturing production and sales

Estimates	October 2012	% change between October 2011 and October 2012	% change between August to October 2011 and August to October 2012	% change between January to October 2011 and January to October 2012
Physical volume of manufacturing production index (base: 2005=100)	116,0	2,5	1,1	1,9
Total estimated sales of manufactured products (R million)	140 306	7,7	4,7	8,1

Seasonally adjusted estimates	October 2012	% change between September and October 2012	% change between May to July 2012 and August to October 2012
Physical volume of manufacturing production index (base: 2005=100)	105,5	1,2	0,3
Total value of sales of manufactured products (R million)	128 788	5,1	0,8

Manufacturing production increased by 2,5% in October 2012 compared with October 2011.

The 2,5% year-on-year increase in manufacturing production in October 2012 was mainly due to higher production in the following divisions:

- petroleum, chemical products, rubber and plastic products (11,8% and contributing 2,7 percentage points);
- wood and wood products, paper, publishing and printing (10,6% and contributing 1,0 percentage point);
- furniture and ‘other’ manufacturing groups (6,3% and contributing 0,3 of a percentage point); and
- radio, television and communication apparatus and professional equipment (6,9% and contributing 0,1 of a percentage point) (see Table 4b).

Seasonally adjusted manufacturing production in the three months ended October 2012 increased by 0,3% compared with the previous three months. Five of the ten manufacturing divisions reported positive growth rates over this period.

The largest contributions to the increase of 0,3% were made by the following divisions:

- wood and wood products, paper, publishing and printing (7,5% and contributing 0,7 of a percentage point);
- petroleum, chemical products, rubber and plastic products (2,6% and contributing 0,7 of a percentage point); and
- basic iron and steel, non-ferrous metal products, metal products and machinery (2,9% and contributing 0,6 of a percentage point) (see Table B).

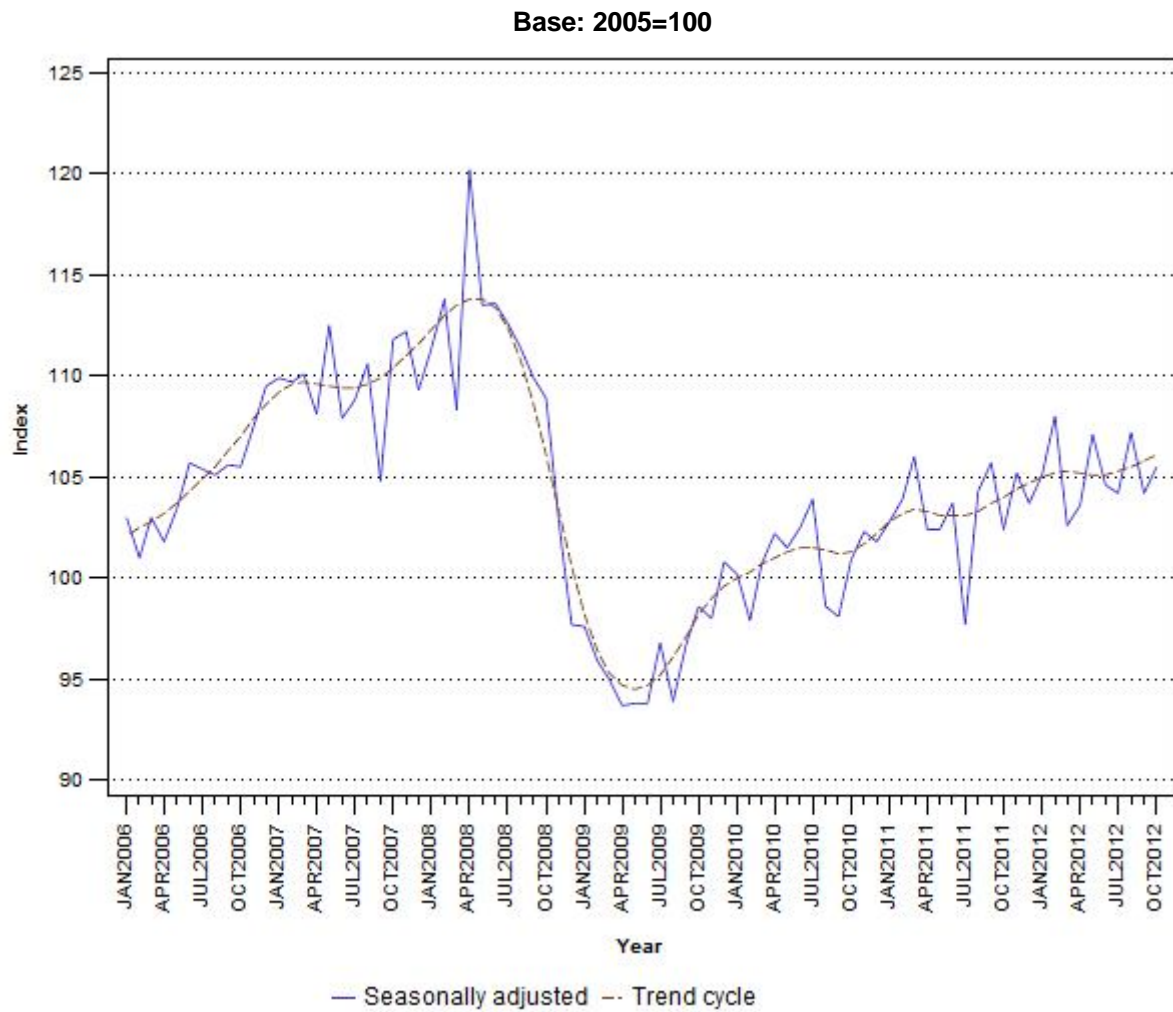
Table B – Contribution of manufacturing divisions and major groups to the total three-monthly seasonally adjusted manufacturing production

Base: 2005=100

Manufacturing divisions and major groups	Weights 2005	Average seasonally adjusted production index for May to July 2012	Average seasonally adjusted production index for August to October 2012	Quarterly % change of August to October 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	123,9	120,3	-2,9	-0,5
-Meat, fish, fruit, etc.	1,8	125,6	124,2	-1,1	0,0
-Dairy products	0,8	124,2	121,1	-2,5	0,0
-Grain mill products	0,8	116,7	119,4	2,3	0,0
-Other food products	5,2	121,8	105,6	-13,3	-0,8
-Beverages	6,8	125,8	130,4	3,7	0,3
Textiles, clothing, leather and footwear	4,9	81,3	81,7	0,5	0,0
-Textiles	1,6	63,8	63,8	0,0	0,0
-Wearing apparel	2,3	85,2	86,0	0,9	0,0
-Leather and leather products	0,6	96,6	97,3	0,7	0,0
-Footwear	0,4	103,3	101,8	-1,5	0,0
Wood and wood products, paper, publishing and printing	10,2	96,1	103,3	7,5	0,7
-Wood and products of wood	2,0	89,2	88,9	-0,3	0,0
-Paper and paper products	3,8	111,0	109,4	-1,4	-0,1
-Publishing and printing	4,3	86,1	104,4	21,3	0,7
Petroleum, chemical products, rubber and plastic products	22,1	117,5	120,6	2,6	0,7
-Coke, petroleum products and nuclear fuel	8,5	92,9	100,4	8,1	0,6
-Basic chemicals	4,5	128,1	131,8	2,9	0,2
-Other chemical products	5,3	132,0	130,9	-0,8	-0,1
-Rubber products	1,0	98,4	91,8	-6,7	-0,1
-Plastic products	2,7	155,3	155,6	0,2	0,0
Glass and non-metallic mineral products	4,8	97,6	94,3	-3,4	-0,2
-Glass and glass products	1,0	118,7	128,5	8,3	0,1
-Non-metallic mineral products	3,8	92,3	85,8	-7,0	-0,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	88,5	91,1	2,9	0,6
-Basic iron and steel products	7,7	68,0	74,4	9,4	0,5
-Basic precious, non-ferrous metal products	3,4	87,8	98,5	12,2	0,3
-Fabricated metal products	5,7	108,9	111,6	2,5	0,1
-Machinery and equipment	6,1	95,4	88,8	-6,9	-0,4
Electrical machinery	2,5	138,5	122,1	-11,8	-0,4
Radio, television and communication apparatus and professional equipment	1,1	108,8	115,2	5,9	0,1
-Radio, television and communication apparatus	0,4	115,5	128,7	11,4	0,1
-Professional equipment	0,7	104,6	106,7	2,0	0,0
Motor vehicles, parts and accessories and other transport equipment	10,9	109,0	103,8	-4,8	-0,5
-Motor vehicles	4,9	113,0	105,9	-6,3	-0,3
-Bodies for motor vehicles, trailers and semi-trailers	0,5	131,9	130,7	-0,9	0,0
-Parts and accessories	4,7	101,0	96,0	-5,0	-0,2
-Other transport equipment	0,9	117,5	118,4	0,8	0,0
Furniture and other manufacturing division	5,2	95,9	94,5	-1,5	-0,1
-Furniture	1,3	106,9	104,7	-2,1	0,0
-Other manufacturing groups	3,9	92,2	91,0	-1,3	0,0
Total	100,0	105,3	105,6	0,3	0,3

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 0,8% (R3 155 million) in the three months ended October 2012 compared with the previous three months. Four 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 food and beverages (3,0% or R2 318 million); wood and wood products, paper, publishing and printing (8,7% or R2 505 million) and petroleum, chemical products, rubber and plastic products (2,4% or R2 189 million).

These increases were partially counteracted by lower sales recorded for the basic iron and steel, non-ferrous metal products, metal products and machinery division (-2,2% or -R1 768 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 May to July 2012	Seasonally adjusted sales August to October 2012	% change between May to July 2012 and August to October 2012	Difference in seasonally adjusted sales of manufacturing divisions between May to July 2012 and August to October 2012
	R'000	R'000	%	R'000
Food and beverages	77 189 090	79 507 385	3,0	2 318 295
-Food and food products	57 710 690	59 730 884	3,5	2 020 194
-Beverages	19 478 400	19 776 502	1,5	298 102
Textiles, clothing, leather and footwear	9 920 648	9 913 540	-0,1	-7 108
-Textiles	3 584 603	3 593 260	0,2	8 657
-Wearing apparel	4 108 279	4 172 573	1,6	64 294
-Leather and leather products	1 343 530	1 292 127	-3,8	-51 403
-Footwear	884 238	855 579	-3,2	-28 659
Wood and wood products, paper, publishing and printing	28 740 139	31 245 212	8,7	2 505 073
-Wood and products of wood	6 390 484	6 344 617	-0,7	-45 867
-Paper and paper products	12 767 508	13 117 651	2,7	350 143
-Publishing and printing	9 582 146	11 782 947	23,0	2 200 801
Petroleum, chemical products, rubber and plastic products	89 479 239	91 668 253	2,4	2 189 014
-Coke, petroleum products and nuclear fuel	36 406 016	38 370 087	5,4	1 964 071
-Basic chemicals	18 556 054	19 193 129	3,4	637 075
-Other chemical products	19 444 101	19 204 000	-1,2	-240 101
-Rubber products	4 020 630	3 853 010	-4,2	-167 620
-Plastic products	11 052 438	11 048 027	0,0	-4 411
Glass and non-metallic mineral products	12 101 894	11 676 917	-3,5	-424 977
-Glass and glass products	2 030 479	2 185 928	7,7	155 449
-Non-metallic mineral products	10 071 414	9 490 987	-5,8	-580 427
Basic iron and steel, non-ferrous metal products, metal products and machinery	80 584 253	78 816 179	-2,2	-1 768 074
-Basic iron and steel products	23 439 921	22 657 925	-3,3	-781 996
-Basic precious, non-ferrous metal products	15 079 572	15 011 898	-0,4	-67 674
-Fabricated metal products	21 298 812	21 452 525	0,7	153 713
-Machinery and equipment	20 765 948	19 693 829	-5,2	-1 072 119
Electrical machinery	11 713 408	10 937 021	-6,6	-776 387
Radio, television and communication apparatus and professional equipment	3 756 014	3 918 684	4,3	162 670
-Radio, television and communication apparatus	1 856 236	1 938 031	4,4	81 795
-Professional equipment	1 899 779	1 980 652	4,3	80 873
Motor vehicles, parts and accessories and other transport equipment	46 898 735	46 238 212	-1,4	-660 523
-Motor vehicles, trailers, parts and accessories	42 301 215	41 545 291	-1,8	-755 924
-Other transport equipment	4 597 520	4 692 920	2,1	95 400
Furniture and other manufacturing division	15 731 898	15 348 918	-2,4	-382 980
-Furniture	3 600 695	3 508 218	-2,6	-92 477
-Other manufacturing groups	12 131 202	11 840 699	-2,4	-290 503
Total	376 115 316	379 270 319	0,8	3 155 003

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	1/ 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/ 116,0
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	6,5
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	2,5
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	108,0
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	103,6
May	103,4	112,5	113,5	93,8	101,5	102,4	107,1
Jun	105,7	107,9	113,6	93,8	102,5	103,7	104,6
Jul	105,4	108,8	112,6	96,8	103,9	97,7	104,2
Aug	105,1	110,6	111,4	93,9	98,6	104,3	107,2
Sep	105,6	104,8	109,9	96,7	98,1	105,7	104,2
Oct	105,5	111,8	108,9	98,6	100,9	102,4	105,5
Nov	107,5	112,2	102,7	98,0	102,3	105,2	
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		
			October 2011	1/ September 2012	1/ October 2012	October 2011	September 2012	October 2012
Food and beverages	15,4	119,2	136,1	122,2	132,9	121,3	115,2	119,1
-Meat, fish, fruit, etc.	1,8	120,2	125,0	123,0	131,0	121,1	121,3	126,8
-Dairy products	0,8	118,1	136,5	122,0	138,8	121,0	116,4	123,4
-Grain mill products	0,8	109,3	117,7	122,9	123,8	112,6	117,2	118,2
-Other food products	5,2	115,8	138,2	112,8	119,8	116,5	102,3	101,4
-Beverages	6,8	123,0	139,6	129,0	143,7	126,2	122,9	130,1
Textiles, clothing, leather and footwear	4,9	81,9	93,8	84,6	94,2	80,4	81,0	80,8
-Textiles	0,7	60,5	63,7	58,3	66,2	58,2	57,9	60,8
-Other textile products	0,9	72,7	86,0	69,1	73,8	74,2	67,3	63,9
-Knitted, crocheted articles	0,2	90,2	90,8	65,2	69,9	83,1	71,6	64,3
-Wearing apparel	2,1	83,2	98,0	92,3	103,8	82,4	86,2	87,4
-Leather and leather products	0,6	95,0	103,9	93,1	103,1	98,0	97,4	97,5
-Footwear	0,4	106,2	123,2	115,6	129,7	92,0	100,0	97,0
Wood and wood products, paper, publishing and printing	10,2	97,7	105,2	108,2	116,4	95,5	101,2	105,8
-Sawmilling and planing of wood	0,7	87,0	89,9	90,0	98,1	80,5	87,0	88,1
-Products of wood	1,3	88,5	100,6	91,2	101,4	90,1	84,9	90,9
-Paper and paper products	3,8	110,9	119,0	117,8	115,0	111,4	109,6	107,9
-Publishing	1,9	87,0	88,6	106,8	139,3	81,2	101,6	127,7
-Printing, recorded media	2,5	93,0	103,1	108,4	114,1	88,9	100,1	98,9
Petroleum, chemical products, rubber and plastic products	22,1	113,0	117,3	121,7	131,1	109,4	120,6	123,7
-Coke, petroleum products and nuclear fuel	8,5	88,7	73,1	95,5	99,7	76,4	103,1	104,6
-Basic chemicals	4,5	131,9	147,4	135,0	152,4	131,3	130,6	136,5
-Other chemical products	5,3	121,6	135,4	135,7	144,9	123,3	127,8	132,4
-Rubber products	1,0	96,7	103,7	97,3	100,6	96,3	91,7	93,3
-Plastic products	2,7	146,9	175,1	162,9	178,2	153,9	155,4	156,3
Glass and non-metallic mineral products	4,8	96,6	110,2	97,8	110,9	99,0	89,9	99,7
-Glass and glass products	1,0	116,4	130,9	139,4	153,8	112,2	128,9	132,1
-Non-metallic mineral products	3,8	91,7	105,0	87,4	100,2	95,7	80,2	91,6
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	91,8	101,4	93,6	98,9	93,1	90,5	90,8
-Basic iron and steel products	7,7	78,4	82,2	82,5	71,6	77,2	81,5	67,3
-Non-ferrous metal products	3,4	109,2	115,1	98,1	109,5	108,2	95,7	102,9
-Structural metal products	2,0	89,9	96,0	87,1	100,7	88,8	83,8	93,4
-Other fabricated metal products	3,8	112,0	126,6	122,8	135,0	115,1	120,0	123,2
-General purpose machinery	2,4	72,7	88,9	80,5	85,8	79,4	74,5	76,8
-Special purpose machinery	3,1	95,1	112,6	92,9	113,7	99,7	86,0	100,9
-Household appliances	0,6	101,4	121,9	105,6	131,4	107,2	99,9	115,8
Electrical machinery	2,5	130,0	139,6	131,9	129,6	131,1	120,1	122,4
Radio, television and communication apparatus and professional equipment	1,1	105,9	113,8	126,1	121,6	108,8	116,2	116,4
-Radio, television and communication apparatus	0,4	104,2	117,2	133,1	139,3	108,7	126,8	130,0
-Professional equipment	0,7	107,0	111,7	121,6	110,4	108,9	109,5	107,8
Motor vehicles, parts and accessories and other transport equipment	10,9	103,1	113,9	112,1	108,8	97,0	106,4	93,1
-Motor vehicles	4,9	96,5	108,9	120,7	104,6	88,4	114,6	85,7
-Bodies for motor vehicles, trailers and semi-trailers	0,5	126,9	149,4	133,1	153,4	126,9	126,2	131,0
-Parts and accessories	4,7	104,7	113,6	100,5	105,5	99,5	93,2	93,0
-Other transport equipment	0,9	117,7	124,3	115,3	124,8	113,7	119,2	113,8
Furniture and other manufacturing division	5,2	92,9	102,7	89,0	109,2	91,1	89,0	96,8
-Furniture	1,3	93,8	121,0	107,8	129,7	97,2	100,5	104,6
-Other manufacturing groups	3,9	92,6	96,6	82,7	102,4	89,0	85,1	94,2
Total	100,0	103,5	113,2	108,6	116,0	102,4	104,2	105,5

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		
			October 2011	1/ October 2012	% change between October 2011 and October 2012	September 2012	October 2012	% change between September and October 2012
Food and beverages	15,4	119,2	136,1	132,9	-2,4	115,2	119,1	3,4
-Meat, fish, fruit, etc.	1,8	120,2	125,0	131,0	4,8	121,3	126,8	4,5
-Dairy products	0,8	118,1	136,5	138,8	1,7	116,4	123,4	6,0
-Grain mill products	0,8	109,3	117,7	123,8	5,2	117,2	118,2	0,9
-Other food products	5,2	115,8	138,2	119,8	-13,3	102,3	101,4	-0,9
-Beverages	6,8	123,0	139,6	143,7	2,9	122,9	130,1	5,9
Textiles, clothing, leather and footwear	4,9	81,9	93,8	94,2	0,4	81,0	80,8	-0,2
-Textiles	0,7	60,5	63,7	66,2	3,9	57,9	60,8	5,0
-Other textile products	0,9	72,7	86,0	73,8	-14,2	67,3	63,9	-5,1
-Knitted, crocheted articles	0,2	90,2	90,8	69,9	-23,0	71,6	64,3	-10,2
-Wearing apparel	2,1	83,2	98,0	103,8	5,9	86,2	87,4	1,4
-Leather and leather products	0,6	95,0	103,9	103,1	-0,8	97,4	97,5	0,1
-Footwear	0,4	106,2	123,2	129,7	5,3	100,0	97,0	-3,0
Wood and wood products, paper, publishing and printing	10,2	97,7	105,2	116,4	10,6	101,2	105,8	4,5
-Sawmilling and planing of wood	0,7	87,0	89,9	98,1	9,1	87,0	88,1	1,3
-Products of wood	1,3	88,5	100,6	101,4	0,8	84,9	90,9	7,1
-Paper and paper products	3,8	110,9	119,0	115,0	-3,4	109,6	107,9	-1,6
-Publishing	1,9	87,0	88,6	139,3	57,2	101,6	127,7	25,7
-Printing, recorded media	2,5	93,0	103,1	114,1	10,7	100,1	98,9	-1,2
Petroleum, chemical products, rubber and plastic products	22,1	113,0	117,3	131,1	11,8	120,6	123,7	2,6
-Coke, petroleum products and nuclear fuel	8,5	88,7	73,1	99,7	36,4	103,1	104,6	1,5
-Basic chemicals	4,5	131,9	147,4	152,4	3,4	130,6	136,5	4,5
-Other chemical products	5,3	121,6	135,4	144,9	7,0	127,8	132,4	3,6
-Rubber products	1,0	96,7	103,7	100,6	-3,0	91,7	93,3	1,7
-Plastic products	2,7	146,9	175,1	178,2	1,8	155,4	156,3	0,6
Glass and non-metallic mineral products	4,8	96,6	110,2	110,9	0,6	89,9	99,7	10,9
-Glass and glass products	1,0	116,4	130,9	153,8	17,5	128,9	132,1	2,5
-Non-metallic mineral products	3,8	91,7	105,0	100,2	-4,6	80,2	91,6	14,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	91,8	101,4	98,9	-2,5	90,5	90,8	0,3
-Basic iron and steel products	7,7	78,4	82,2	71,6	-12,9	81,5	67,3	-17,4
-Non-ferrous metal products	3,4	109,2	115,1	109,5	-4,9	95,7	102,9	7,5
-Structural metal products	2,0	89,9	96,0	100,7	4,9	83,8	93,4	11,5
-Other fabricated metal products	3,8	112,0	126,6	135,0	6,6	120,0	123,2	2,7
-General purpose machinery	2,4	72,7	88,9	85,8	-3,5	74,5	76,8	3,1
-Special purpose machinery	3,1	95,1	112,6	113,7	1,0	86,0	100,9	17,3
-Household appliances	0,6	101,4	121,9	131,4	7,8	99,9	115,8	15,9
Electrical machinery	2,5	130,0	139,6	129,6	-7,2	120,1	122,4	1,9
Radio, television and communication apparatus and professional equipment	1,1	105,9	113,8	121,6	6,9	116,2	116,4	0,2
-Radio, television and communication apparatus	0,4	104,2	117,2	139,3	18,9	126,8	130,0	2,5
-Professional equipment	0,7	107,0	111,7	110,4	-1,2	109,5	107,8	-1,6
Motor vehicles, parts and accessories and other transport equipment	10,9	103,1	113,9	108,8	-4,5	106,4	93,1	-12,5
-Motor vehicles	4,9	96,5	108,9	104,6	-3,9	114,6	85,7	-25,2
-Bodies for motor vehicles, trailers and semi-trailers	0,5	126,9	149,4	153,4	2,7	126,2	131,0	3,8
-Parts and accessories	4,7	104,7	113,6	105,5	-7,1	93,2	93,0	-0,2
-Other transport equipment	0,9	117,7	124,3	124,8	0,4	119,2	113,8	-4,5
Furniture and other manufacturing division	5,2	92,9	102,7	109,2	6,3	89,0	96,8	8,8
-Furniture	1,3	93,8	121,0	129,7	7,2	100,5	104,6	4,1
-Other manufacturing groups	3,9	92,6	96,6	102,4	6,0	85,1	94,2	10,7
Total	100,0	103,5	113,2	116,0	2,5	104,2	105,5	1,2

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	1/ 130 989 591
Sep	96 312 774	102 072 116	127 557 225	106 385 385	110 151 480	129 822 841	1/ 128 720 735
Oct	101 657 037	115 324 079	133 838 287	111 499 001	118 674 521	130 325 799	1/ 140 306 109
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	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	-0,8
Oct	20,8	13,4	16,1	-16,7	6,4	9,8	7,7
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	81 506 350	98 464 553	110 176 026	104 095 002	105 058 503	112 034 086	123 963 293
Feb	79 530 878	99 115 035	115 327 444	103 355 710	103 458 776	113 260 272	128 280 376
Mar	82 408 305	98 734 705	112 789 327	102 927 276	107 193 198	117 457 411	124 130 908
Apr	81 094 145	98 651 616	127 497 117	98 535 658	107 114 035	113 784 135	124 002 681
May	85 054 516	102 809 252	121 277 628	98 178 794	106 912 284	114 965 481	127 436 659
Jun	87 724 642	98 344 476	123 511 622	97 596 971	108 533 281	116 577 077	124 682 492
Jul	88 637 830	98 964 817	127 322 630	99 738 184	109 104 985	109 511 345	123 996 165
Aug	90 925 754	103 258 874	123 706 197	99 364 426	105 334 056	118 959 530	127 988 663
Sep	91 272 144	96 828 158	121 053 894	101 140 640	104 533 310	123 299 295	122 493 851
Oct	92 458 182	104 736 537	121 640 844	101 635 518	108 273 154	119 259 228	128 787 805
Nov	94 695 163	106 129 437	112 025 919	102 155 621	110 654 591	122 016 705	
Dec	94 160 795	105 045 482	108 217 232	106 241 002	111 447 626	125 522 412	

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		
		October 2011	1/ September 2012	1/ October 2012	October 2011	September 2012	October 2012
Food and beverages	280 767 606	25 784 540	26 565 831	29 147 923	24 059 876	25 605 658	27 245 039
-Meat, fish, fruit, etc.	73 509 709	6 693 439	7 043 684	7 506 007	6 350 402	6 829 811	7 130 449
-Dairy products	24 682 334	2 270 839	2 202 553	2 542 784	2 099 065	2 140 967	2 358 211
-Grain mill products	46 889 771	4 341 744	4 786 031	5 008 871	4 110 091	4 573 345	4 742 598
-Other food products	64 239 523	5 820 755	6 010 874	6 753 685	5 304 376	5 797 723	6 175 698
-Beverages	71 446 269	6 657 763	6 522 689	7 336 576	6 195 942	6 263 812	6 838 084
Textiles, clothing, leather and footwear	38 540 626	3 696 213	3 321 551	3 781 364	3 213 751	3 213 301	3 300 280
-Textiles	4 426 801	395 829	366 110	452 740	364 288	364 384	417 877
-Other textile products	10 082 035	985 761	809 440	884 393	853 517	804 177	769 446
-Knitted, crocheted articles	1 961 494	163 271	122 787	136 500	155 961	133 903	131 455
-Wearing apparel	13 859 807	1 342 986	1 293 418	1 467 193	1 149 390	1 225 516	1 260 469
-Leather and leather products	4 873 890	461 065	413 143	478 052	419 110	403 382	436 223
-Footwear	3 336 599	347 301	316 653	362 486	271 485	281 938	284 809
Wood and wood products, paper, publishing and printing	111 824 849	9 934 586	10 689 948	11 852 088	9 095 953	9 902 435	10 849 720
-Sawmilling and planing of wood	8 297 609	736 612	725 224	839 397	640 854	672 573	730 252
-Products of wood	15 877 870	1 481 794	1 432 206	1 612 824	1 330 099	1 315 332	1 450 960
-Paper and paper products	49 458 557	4 320 867	4 752 565	4 495 286	4 140 136	4 241 488	4 328 569
-Publishing	16 049 876	1 354 221	1 657 969	2 367 665	1 231 524	1 648 440	2 150 239
-Printing, recorded media	22 140 937	2 041 092	2 121 984	2 536 916	1 753 340	2 024 602	2 189 702
Petroleum, chemical products, rubber and plastic products	318 352 312	29 547 592	30 983 493	34 934 775	27 023 019	29 692 222	32 109 920
-Coke, petroleum products and nuclear fuel	124 093 250	10 648 310	12 464 431	14 373 847	10 337 525	12 368 501	13 926 968
-Basic chemicals	70 819 287	7 187 614	6 845 445	7 634 441	6 171 653	6 332 197	6 546 183
-Other chemical products	68 766 255	6 374 478	6 599 641	7 194 857	5 783 092	6 148 387	6 559 893
-Rubber products	14 986 294	1 342 934	1 272 334	1 404 892	1 258 900	1 243 862	1 318 057
-Plastic products	39 687 226	3 994 256	3 801 642	4 326 738	3 471 850	3 599 275	3 758 819
Glass and non-metallic mineral products	44 849 547	4 247 510	4 047 267	4 608 662	3 806 284	3 628 710	4 149 279
-Glass and glass products	7 240 340	703 494	859 795	846 946	593 268	749 282	718 202
-Non-metallic mineral products	37 609 207	3 544 016	3 187 472	3 761 716	3 213 016	2 879 427	3 431 077
Basic iron and steel, non-ferrous metal products, metal products and machinery	312 532 861	28 965 192	26 570 849	29 297 420	26 600 232	25 023 074	26 949 377
-Basic iron and steel products	99 408 140	8 668 980	7 656 986	8 075 842	8 081 149	7 480 445	7 554 691
-Non-ferrous metal products	61 809 327	5 852 974	5 149 089	5 530 437	5 452 998	4 624 249	5 136 494
-Structural metal products	25 697 747	2 361 311	2 462 201	2 764 969	2 153 987	2 344 762	2 539 602
-Other fabricated metal products	50 775 598	4 827 343	4 658 285	5 216 269	4 373 999	4 434 371	4 745 350
-General purpose machinery	28 315 464	2 864 544	2 699 387	2 938 613	2 515 493	2 490 252	2 573 538
-Special purpose machinery	37 224 519	3 457 020	3 164 367	3 804 312	3 214 220	2 904 066	3 559 073
-Household appliances	9 302 066	933 020	780 534	966 978	808 386	744 929	840 627
Electrical machinery	43 550 964	3 923 036	3 855 520	3 817 956	3 740 939	3 554 305	3 646 369
Radio, television and communication apparatus and professional equipment	14 051 600	1 262 629	1 389 251	1 364 005	1 208 600	1 280 853	1 307 282
-Radio, television and communication apparatus	6 499 645	627 017	644 239	709 049	579 544	608 595	657 296
-Professional equipment	7 551 955	635 612	745 012	654 956	629 057	672 257	649 986
Motor vehicles, parts and accessories and other transport equipment	182 251 860	17 397 119	16 250 840	15 990 138	15 325 139	15 624 698	14 120 088
-Motor vehicles	92 059 875	9 085 319	8 581 541	7 956 451	7 793 644	8 169 916	6 821 081
-Bodies for motor vehicles, trailers and semi-trailers	8 192 883	811 948	721 234	826 144	692 855	683 753	707 750
-Parts and accessories	64 261 615	5 921 941	5 425 871	5 549 005	5 393 923	5 198 233	5 076 948
-Other transport equipment	17 737 487	1 577 911	1 522 194	1 658 538	1 444 716	1 572 796	1 514 308
Furniture and other manufacturing division	61 138 249	5 567 382	5 046 185	5 511 778	5 185 434	4 968 596	5 110 452
-Furniture	12 246 361	1 319 313	1 177 319	1 506 928	1 038 318	1 113 187	1 189 027
-Other manufacturing groups	48 891 888	4 248 069	3 868 866	4 004 850	4 147 116	3 855 409	3 921 425
Total	1 407 860 474	130 325 799	128 720 735	140 306 109	119 259 228	122 493 851	128 787 805

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		
		October 2011	1/ October 2012	% change between October 2011 and October 2012	September 2012	October 2012	% change between September and October 2012
Food and beverages	280 767 606	25 784 540	29 147 923	13,0	25 605 658	27 245 039	6,4
-Meat, fish, fruit, etc.	73 509 709	6 693 439	7 506 007	12,1	6 829 811	7 130 449	4,4
-Dairy products	24 682 334	2 270 839	2 542 784	12,0	2 140 967	2 358 211	10,1
-Grain mill products	46 889 771	4 341 744	5 008 871	15,4	4 573 345	4 742 598	3,7
-Other food products	64 239 523	5 820 755	6 753 685	16,0	5 797 723	6 175 698	6,5
-Beverages	71 446 269	6 657 763	7 336 576	10,2	6 263 812	6 838 084	9,2
Textiles, clothing, leather and footwear	38 540 626	3 696 213	3 781 364	2,3	3 213 301	3 300 280	2,7
-Textiles	4 426 801	395 829	452 740	14,4	364 384	417 877	14,7
-Other textile products	10 082 035	985 761	884 393	-10,3	804 177	769 446	-4,3
-Knitted, crocheted articles	1 961 494	163 271	136 500	-16,4	133 903	131 455	-1,8
-Wearing apparel	13 859 807	1 342 986	1 467 193	9,2	1 225 516	1 260 469	2,9
-Leather and leather products	4 873 890	461 065	478 052	3,7	403 382	436 223	8,1
-Footwear	3 336 599	347 301	362 486	4,4	281 938	284 809	1,0
Wood and wood products, paper, publishing and printing	111 824 849	9 934 586	11 852 088	19,3	9 902 435	10 849 720	9,6
-Sawmilling and planing of wood	8 297 609	736 612	839 397	14,0	672 573	730 252	8,6
-Products of wood	15 877 870	1 481 794	1 612 824	8,8	1 315 332	1 450 960	10,3
-Paper and paper products	49 458 557	4 320 867	4 495 286	4,0	4 241 488	4 328 569	2,1
-Publishing	16 049 876	1 354 221	2 367 665	74,8	1 648 440	2 150 239	30,4
-Printing, recorded media	22 140 937	2 041 092	2 536 916	24,3	2 024 602	2 189 702	8,2
Petroleum, chemical products, rubber and plastic products	318 352 312	29 547 592	34 934 775	18,2	29 692 222	32 109 920	8,1
-Coke, petroleum products and nuclear fuel	124 093 250	10 648 310	14 373 847	35,0	12 368 501	13 926 968	12,6
-Basic chemicals	70 819 287	7 187 614	7 634 441	6,2	6 332 197	6 546 183	3,4
-Other chemical products	68 766 255	6 374 478	7 194 857	12,9	6 148 387	6 559 893	6,7
-Rubber products	14 986 294	1 342 934	1 404 892	4,6	1 243 862	1 318 057	6,0
-Plastic products	39 687 226	3 994 256	4 326 738	8,3	3 599 275	3 758 819	4,4
Glass and non-metallic mineral products	44 849 547	4 247 510	4 608 662	8,5	3 628 710	4 149 279	14,3
-Glass and glass products	7 240 340	703 494	846 946	20,4	749 282	718 202	-4,1
-Non-metallic mineral products	37 609 207	3 544 016	3 761 716	6,1	2 879 427	3 431 077	19,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	312 532 861	28 965 192	29 297 420	1,1	25 023 074	26 949 377	7,7
-Basic iron and steel products	99 408 140	8 668 980	8 075 842	-6,8	7 480 445	7 554 691	1,0
-Non-ferrous metal products	61 809 327	5 852 974	5 530 437	-5,5	4 624 249	5 136 494	11,1
-Structural metal products	25 697 747	2 361 311	2 764 969	17,1	2 344 762	2 539 602	8,3
-Other fabricated metal products	50 775 598	4 827 343	5 216 269	8,1	4 434 371	4 745 350	7,0
-General purpose machinery	28 315 464	2 864 544	2 938 613	2,6	2 490 252	2 573 538	3,3
-Special purpose machinery	37 224 519	3 457 020	3 804 312	10,0	2 904 066	3 559 073	22,6
-Household appliances	9 302 066	933 020	966 978	3,6	744 929	840 627	12,8
Electrical machinery	43 550 964	3 923 036	3 817 956	-2,7	3 554 305	3 646 369	2,6
Radio, television and communication apparatus and professional equipment	14 051 600	1 262 629	1 364 005	8,0	1 280 853	1 307 282	2,1
-Radio, television and communication apparatus	6 499 645	627 017	709 049	13,1	608 595	657 296	8,0
-Professional equipment	7 551 955	635 612	654 956	3,0	672 257	649 986	-3,3
Motor vehicles, parts and accessories and other transport equipment	182 251 860	17 397 119	15 990 138	-8,1	15 624 698	14 120 088	-9,6
-Motor vehicles	92 059 875	9 085 319	7 956 451	-12,4	8 169 916	6 821 081	-16,5
-Bodies for motor vehicles, trailers and semi-trailers	8 192 883	811 948	826 144	1,7	683 753	707 750	3,5
-Parts and accessories	64 261 615	5 921 941	5 549 005	-6,3	5 198 233	5 076 948	-2,3
-Other transport equipment	17 737 487	1 577 911	1 658 538	5,1	1 572 796	1 514 308	-3,7
Furniture and other manufacturing division	61 138 249	5 567 382	5 511 778	-1,0	4 968 596	5 110 452	2,9
-Furniture	12 246 361	1 319 313	1 506 928	14,2	1 113 187	1 189 027	6,8
-Other manufacturing groups	48 891 888	4 248 069	4 004 850	-5,7	3 855 409	3 921 425	1,7
Total	1 407 860 474	130 325 799	140 306 109	7,7	122 493 851	128 787 805	5,1

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)		
		Aug. to Oct. 2011	Aug. to Oct. 2012	% change between Aug. to Oct. 2011 and Aug. to Oct. 2012	Aug. to Oct. 2011	Aug. to Oct. 2012	% change between Aug. to Oct. 2011 and Aug. to Oct. 2012
Food and beverages	15,4	131,3	127,8	-2,7	74 934 010	82 354 439	9,9
-Meat, fish, fruit, etc.	1,8	124,9	126,3	1,1	19 715 692	21 567 867	9,4
-Dairy products	0,8	127,2	128,1	0,7	6 515 192	7 101 370	9,0
-Grain mill products	0,8	116,5	123,9	6,4	12 765 166	14 599 871	14,4
-Other food products	5,2	137,3	121,6	-11,4	17 092 485	18 992 438	11,1
-Beverages	6,8	130,8	133,3	1,9	18 845 475	20 092 893	6,6
Textiles, clothing, leather and footwear	4,9	88,9	87,8	-1,2	10 466 099	10 532 512	0,6
-Textiles	0,7	61,7	61,9	0,3	1 141 969	1 193 059	4,5
-Other textile products	0,9	81,0	71,5	-11,7	2 775 489	2 555 495	-7,9
-Knitted, crocheted articles	0,2	81,3	67,9	-16,5	462 312	390 019	-15,6
-Wearing apparel	2,1	92,2	95,3	3,4	3 820 839	4 078 660	6,7
-Leather and leather products	0,6	96,1	96,2	0,1	1 287 327	1 333 611	3,6
-Footwear	0,4	124,1	121,4	-2,2	978 163	981 668	0,4
Wood and wood products, paper, publishing and printing	10,2	101,8	109,3	7,4	29 427 557	33 068 024	12,4
-Sawmilling and planing of wood	0,7	92,3	94,5	2,4	2 254 140	2 373 458	5,3
-Products of wood	1,3	95,0	96,0	1,1	4 273 725	4 502 004	5,3
-Paper and paper products	3,8	117,3	114,4	-2,5	13 264 755	13 775 003	3,8
-Publishing	1,9	84,1	112,2	33,4	3 877 696	5 489 692	41,6
-Printing, recorded media	2,5	97,2	110,1	13,3	5 757 241	6 927 867	20,3
Petroleum, chemical products, rubber and plastic products	22,1	116,1	124,7	7,4	86 700 401	97 253 299	12,2
-Coke, petroleum products and nuclear fuel	8,5	79,8	98,1	22,9	33 009 690	40 211 301	21,8
-Basic chemicals	4,5	140,7	140,1	-0,4	19 819 611	20 795 247	4,9
-Other chemical products	5,3	131,5	137,7	4,7	18 457 892	20 307 699	10,0
-Rubber products	1,0	103,7	95,0	-8,4	4 105 416	3 994 073	-2,7
-Plastic products	2,7	163,6	167,3	2,3	11 307 792	11 944 979	5,6
Glass and non-metallic mineral products	4,8	107,5	102,8	-4,4	12 657 011	12 841 958	1,5
-Glass and glass products	1,0	124,1	139,7	12,6	2 016 687	2 426 997	20,3
-Non-metallic mineral products	3,8	103,4	93,6	-9,5	10 640 324	10 414 961	-2,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	96,4	95,8	-0,6	84 110 806	83 567 005	-0,6
-Basic iron and steel products	7,7	72,8	76,5	5,1	24 797 522	23 688 476	-4,5
-Non-ferrous metal products	3,4	115,8	102,7	-11,3	17 066 314	15 872 620	-7,0
-Structural metal products	2,0	97,7	94,9	-2,9	7 135 086	7 875 031	10,4
-Other fabricated metal products	3,8	122,5	129,5	5,7	14 165 870	15 037 179	6,2
-General purpose machinery	2,4	83,1	81,3	-2,2	8 118 602	8 216 807	1,2
-Special purpose machinery	3,1	106,7	102,3	-4,1	10 202 827	10 186 847	-0,2
-Household appliances	0,6	117,6	120,6	2,6	2 624 585	2 690 045	2,5
Electrical machinery	2,5	141,7	130,6	-7,8	12 085 593	11 573 925	-4,2
Radio, television and communication apparatus and professional equipment	1,1	119,8	121,8	1,7	4 042 091	4 197 385	3,8
-Radio, television and communication apparatus	0,4	127,9	135,9	6,3	2 052 478	2 105 303	2,6
-Professional equipment	0,7	114,7	112,8	-1,7	1 989 613	2 092 082	5,2
Motor vehicles, parts and accessories and other transport equipment	10,9	116,2	113,5	-2,3	51 417 745	48 641 733	-5,4
-Motor vehicles	4,9	111,6	117,3	5,1	26 534 931	24 902 275	-6,2
-Bodies for motor vehicles, trailers and semi-trailers	0,5	143,1	143,4	0,2	2 334 257	2 313 255	-0,9
-Parts and accessories	4,7	115,4	104,6	-9,4	17 575 746	16 519 110	-6,0
-Other transport equipment	0,9	130,7	123,6	-5,4	4 972 811	4 907 093	-1,3
Furniture and other manufacturing division	5,2	98,1	99,5	1,4	16 081 359	15 986 155	-0,6
-Furniture	1,3	106,4	116,2	9,2	3 431 851	3 897 501	13,6
-Other manufacturing groups	3,9	95,3	94,0	-1,4	12 649 508	12 088 654	-4,4
Total	100,0	110,5	111,7	1,1	381 922 672	400 016 435	4,7

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 Oct. 2011	Jan. to Oct. 2012	Annual % change between 2011 and 2012	Contribution (% points)	Jan. to Oct. 2011	Jan. to Oct. 2012	Annual % change between 2011 and 2012	Difference in sales between 2011 and 2012
Food and beverages	15,4	115,6	118,7	2,7	0,5	224 632	250 185	11,4	25 553
-Meat, fish, fruit, etc.	1,8	117,9	121,2	2,8	0,1	59 374	65 347	10,1	5 973
-Dairy products	0,8	114,7	119,8	4,4	0,0	19 888	22 319	12,2	2 431
-Grain mill products	0,8	107,9	115,0	6,6	0,1	38 129	44 451	16,6	6 322
-Other food products	5,2	115,8	115,0	-0,7	0,0	52 165	57 696	10,6	5 531
-Beverages	6,8	116,0	121,1	4,4	0,3	55 076	60 372	9,6	5 296
Textiles, clothing, leather and footwear	4,9	81,9	81,7	-0,2	0,0	31 872	32 796	2,9	924
-Textiles	0,7	61,2	59,3	-3,1	0,0	3 723	3 763	1,1	40
-Other textile products	0,9	73,3	70,3	-4,1	0,0	8 349	8 324	-0,3	-25
-Knitted, crocheted articles	0,2	93,9	74,9	-20,2	0,0	1 667	1 441	-13,6	-226
-Wearing apparel	2,1	82,6	84,5	2,3	0,0	11 361	12 002	5,6	641
-Leather and leather products	0,6	94,7	97,8	3,3	0,0	4 075	4 414	8,3	339
-Footwear	0,4	106,3	106,3	0,0	0,0	2 698	2 853	5,7	155
Wood and wood products, paper, publishing and printing	10,2	95,4	98,6	3,4	0,3	90 784	98 477	8,5	7 693
-Sawmilling and planing of wood	0,7	87,0	91,1	4,7	0,0	6 864	7 474	8,9	610
-Products of wood	1,3	88,1	88,3	0,2	0,0	13 149	13 752	4,6	603
-Paper and paper products	3,8	108,8	110,0	1,1	0,0	40 244	42 887	6,6	2 643
-Publishing	1,9	82,2	90,8	10,5	0,2	12 599	14 655	16,3	2 056
-Printing, recorded media	2,5	90,8	94,3	3,9	0,1	17 927	19 710	9,9	1 783
Petroleum, chemical products, rubber and plastic products	22,1	112,9	117,6	4,2	1,0	262 482	304 038	15,8	41 556
-Coke, petroleum products and nuclear fuel	8,5	90,9	95,3	4,8	0,4	103 921	131 268	26,3	27 347
-Basic chemicals	4,5	130,2	131,6	1,1	0,1	57 704	61 984	7,4	4 280
-Other chemical products	5,3	119,6	126,5	5,8	0,4	55 852	61 520	10,1	5 668
-Rubber products	1,0	98,0	98,1	0,1	0,0	12 306	13 278	7,9	972
-Plastic products	2,7	145,7	153,7	5,5	0,2	32 698	35 989	10,1	3 291
Glass and non-metallic mineral products	4,8	96,1	97,1	1,0	0,0	37 131	39 424	6,2	2 293
-Glass and glass products	1,0	114,0	119,4	4,7	0,1	5 793	6 571	13,4	778
-Non-metallic mineral products	3,8	91,7	91,5	-0,2	0,0	31 337	32 853	4,8	1 516
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	92,0	91,8	-0,2	0,0	259 089	271 154	4,7	12 065
-Basic iron and steel products	7,7	79,4	74,8	-5,8	-0,3	82 788	82 208	-0,7	-580
-Non-ferrous metal products	3,4	109,7	96,5	-12,0	-0,4	51 700	50 363	-2,6	-1 337
-Structural metal products	2,0	90,8	93,1	2,5	0,0	21 400	24 577	14,8	3 177
-Other fabricated metal products	3,8	112,0	121,3	8,3	0,3	41 730	47 120	12,9	5 390
-General purpose machinery	2,4	72,1	76,5	6,1	0,1	23 212	25 459	9,7	2 247
-Special purpose machinery	3,1	93,9	99,8	6,3	0,2	30 541	32 976	8,0	2 435
-Household appliances	0,6	102,0	113,9	11,7	0,1	7 717	8 450	9,5	733
-Electrical machinery	2,5	130,8	129,7	-0,8	0,0	36 394	37 929	4,2	1 535
Radio, television and communication apparatus and professional equipment	1,1	105,4	110,5	4,8	0,1	11 549	12 477	8,0	928
-Radio, television and communication apparatus	0,4	104,0	116,8	12,3	0,0	5 331	6 013	12,8	682
-Professional equipment	0,7	106,2	106,4	0,2	0,0	6 218	6 464	4,0	246
Motor vehicles, parts and accessories and other transport equipment	10,9	106,2	107,6	1,3	0,1	153 522	153 986	0,3	464
-Motor vehicles	4,9	100,5	109,0	8,5	0,4	77 199	77 564	0,5	365
-Bodies for motor vehicles, trailers and semi-trailers	0,5	127,3	134,3	5,5	0,0	6 768	7 190	6,2	422
-Parts and accessories	4,7	107,2	102,0	-4,9	-0,2	54 423	54 168	-0,5	-255
-Other transport equipment	0,9	121,0	114,5	-5,4	-0,1	15 133	15 063	-0,5	-70
Furniture and other manufacturing division	5,2	94,4	93,4	-1,1	-0,1	50 597	51 578	1,9	981
-Furniture	1,3	92,6	101,9	10,0	0,1	9 933	11 340	14,2	1 407
-Other manufacturing groups	3,9	95,0	90,6	-4,6	-0,2	40 665	40 239	-1,0	-426
Total	100,0	103,1	105,1	1,9	1,9	1 158 054	1 252 045	8,1	93 991

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 October 2012 was 89,2%. Improved collection rate for September 2012 was 92,6%.
- Statistical unit**
- 10 The statistical unit for which information is compiled and published is the enterprise, defined as a legal unit or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.

Survey methodology and design

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