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Key figures for September 2012

Table A – Manufacturing production and sales

Estimates	September 2012	% change between September 2011 and September 2012	% change between July to September 2011 and July to September 2012	% change between January to September 2011 and January to September 2012
Physical volume of manufacturing production index (base: 2005=100)	109,3	-1,1	2,5	1,9
Total estimated sales of manufactured products (R million)	129 315	-0,4	6,3	8,2

Seasonally adjusted estimates	September 2012	% change between August and September 2012	% change between April to June 2012 and July to September 2012
Physical volume of manufacturing production index (base: 2005=100)	104,8	-2,3	0,3
Total value of sales of manufactured products (R million)	123 203	-3,6	-0,4

Manufacturing production decreased by 1,1% in September 2012 compared with September 2011.

The 1,1% year-on-year decrease in manufacturing production in September 2012 was mainly due to lower production in the following divisions:

- food and beverages (-5,2% and contributing -0,9 of a percentage point);
- basic iron and steel, non-ferrous metal products, metal products and machinery (-2,6% and contributing -0,5 of a percentage point);
- electrical machinery (-11,1% and contributing -0,4 of a percentage point);
- glass and non-metallic mineral products (-7,7% and contributing -0,4 of a percentage point);
- textiles, clothing, leather and footwear (-4,2% and contributing -0,2 of a percentage point); and
- motor vehicles, parts and accessories and other transport equipment (-1,4% and contributing -0,2 of a percentage point) (see Table 4b).

Seasonally adjusted manufacturing production in the third quarter of 2012 increased by 0,3% compared with the second quarter of 2012. Six 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 (4,0% and contributing 0,4 of a percentage point);
- basic iron and steel, non-ferrous metal products, metal products and machinery (1,8% and contributing 0,3 of a percentage point); and
- petroleum, chemical products, rubber and plastic products (0,7% and contributing 0,2 of a percentage point) (see Table B).

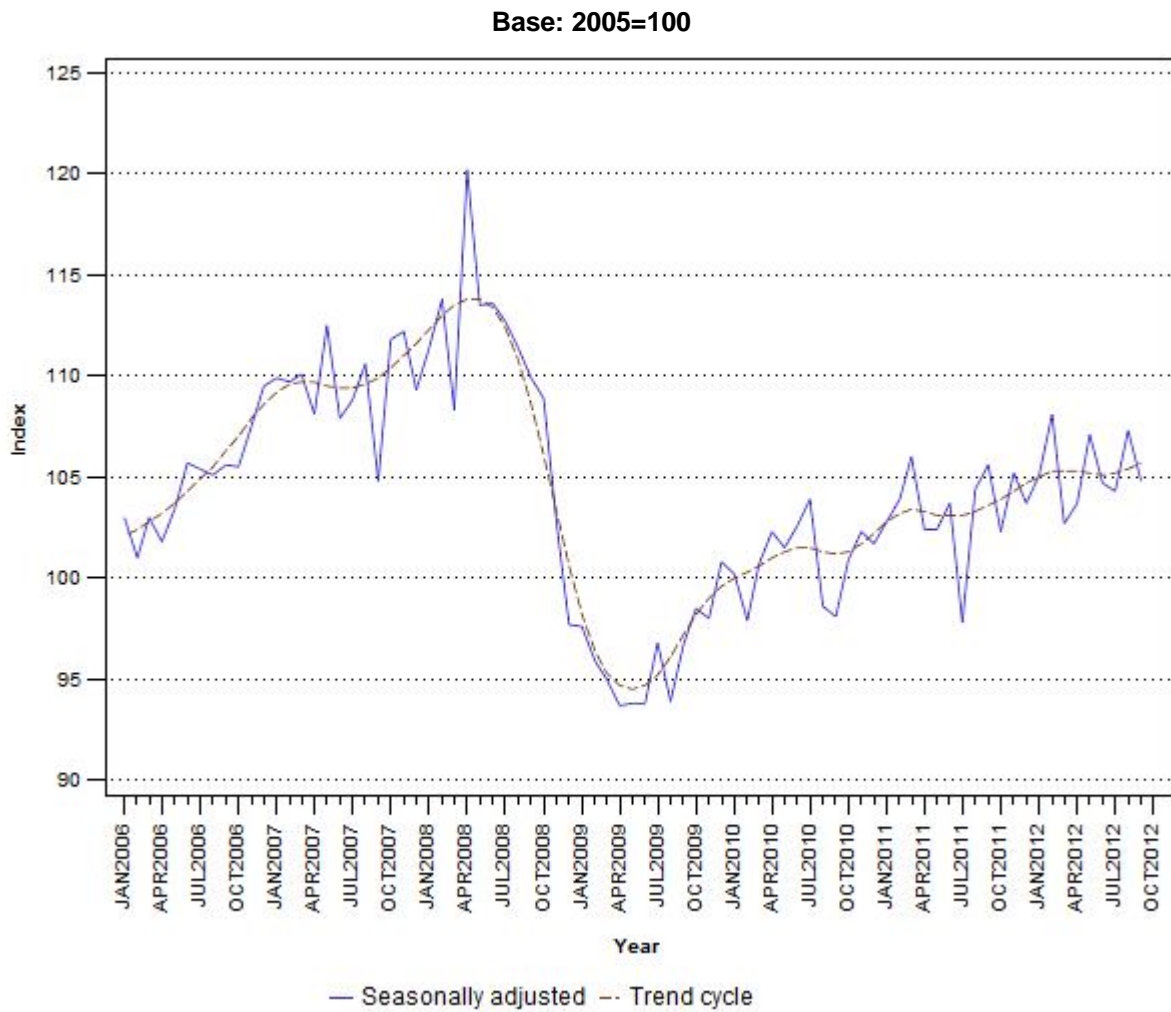
Table B – Contribution of manufacturing divisions and major groups to the total three-monthly seasonally adjusted manufacturing production

Base: 2005=100

Manufacturing divisions and major groups	Weights 2005	Average seasonally adjusted production index for April to June 2012	Average seasonally adjusted production index for July to September 2012	Quarterly % change of July to September 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	123,3	122,2	-0,9	-0,2
-Meat, fish, fruit, etc.	1,8	125,7	122,3	-2,7	-0,1
-Dairy products	0,8	123,3	120,8	-2,0	0,0
-Grain mill products	0,8	115,9	119,4	3,0	0,0
-Other food products	5,2	122,6	112,9	-7,9	-0,5
-Beverages	6,8	124,0	129,7	4,6	0,4
Textiles, clothing, leather and footwear	4,9	81,0	82,3	1,6	0,1
-Textiles	1,6	64,9	64,1	-1,2	0,0
-Wearing apparel	2,3	83,0	87,5	5,4	0,1
-Leather and leather products	0,6	97,3	95,0	-2,4	0,0
-Footwear	0,4	105,6	104,2	-1,3	0,0
Wood and wood products, paper, publishing and printing	10,2	95,7	99,5	4,0	0,4
-Wood and products of wood	2,0	88,5	89,1	0,7	0,0
-Paper and paper products	3,8	111,4	110,2	-1,1	0,0
-Publishing and printing	4,3	85,1	94,7	11,3	0,4
Petroleum, chemical products, rubber and plastic products	22,1	117,1	117,9	0,7	0,2
-Coke, petroleum products and nuclear fuel	8,5	93,2	96,1	3,1	0,2
-Basic chemicals	4,5	131,0	127,7	-2,5	-0,1
-Other chemical products	5,3	127,3	130,9	2,8	0,2
-Rubber products	1,0	98,8	91,4	-7,5	-0,1
-Plastic products	2,7	155,9	154,1	-1,2	0,0
Glass and non-metallic mineral products	4,8	98,3	93,5	-4,9	-0,2
-Glass and glass products	1,0	116,6	125,6	7,7	0,1
-Non-metallic mineral products	3,8	93,8	85,5	-8,8	-0,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	88,8	90,4	1,8	0,3
-Basic iron and steel products	7,7	69,1	74,9	8,4	0,4
-Basic precious, non-ferrous metal products	3,4	87,9	94,6	7,6	0,2
-Fabricated metal products	5,7	109,3	109,6	0,3	0,0
-Machinery and equipment	6,1	94,9	89,4	-5,8	-0,3
Electrical machinery	2,5	134,6	128,0	-4,9	-0,2
Radio, television and communication apparatus and professional equipment	1,1	108,6	114,2	5,2	0,1
-Radio, television and communication apparatus	0,4	111,1	118,2	6,4	0,0
-Professional equipment	0,7	107,0	111,7	4,4	0,0
Motor vehicles, parts and accessories and other transport equipment	10,9	109,3	109,9	0,5	0,1
-Motor vehicles	4,9	112,9	117,9	4,4	0,2
-Bodies for motor vehicles, trailers and semi-trailers	0,5	133,1	130,7	-1,8	0,0
-Parts and accessories	4,7	101,9	97,2	-4,6	-0,2
-Other transport equipment	0,9	115,9	121,6	4,9	0,0
Furniture and other manufacturing division	5,2	96,3	92,6	-3,8	-0,2
-Furniture	1,3	104,7	107,0	2,2	0,0
-Other manufacturing groups	3,9	93,5	87,9	-6,0	-0,2
Total	100,0	105,2	105,5	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) decreased by 0,4% (-R1 469 million) in the third quarter of 2012 compared with the second quarter of 2012. Five of the ten manufacturing divisions reported negative growth rates over this period.

The manufacturing divisions that were mainly responsible for the decrease in total manufacturing sales were basic iron and steel, non-ferrous metal products, metal products and machinery (-3,7% or -R2 976 million) and petroleum, chemical products, rubber and plastic products (-2,0% or -R1 830 million).

These decreases were partially counteracted by higher sales recorded for the food and beverages division (2,4% or R1 853 million); the motor vehicles, parts and accessories and other transport equipment division (3,1% or R1 445 million) and the wood and wood products, paper, publishing and printing division (4,1% or R1 174 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 April to June 2012	Seasonally adjusted sales July to September 2012	% change between April to June 2012 and July to September 2012	Difference in seasonally adjusted sales of manufacturing divisions between April to June 2012 and July to September 2012
	R'000	R'000	%	R'000
Food and beverages	76 403 330	78 256 783	2,4	1 853 453
-Food and food products	57 487 153	58 559 152	1,9	1 071 999
-Beverages	18 916 178	19 697 628	4,1	781 450
Textiles, clothing, leather and footwear	9 879 663	9 930 264	0,5	50 601
-Textiles	3 602 834	3 578 003	-0,7	-24 831
-Wearing apparel	4 049 374	4 202 947	3,8	153 573
-Leather and leather products	1 326 714	1 292 858	-2,6	-33 856
-Footwear	900 741	856 457	-4,9	-44 284
Wood and wood products, paper, publishing and printing	28 587 407	29 761 008	4,1	1 173 601
-Wood and products of wood	6 320 451	6 325 464	0,1	5 013
-Paper and paper products	12 866 417	13 025 152	1,2	158 735
-Publishing and printing	9 400 538	10 410 393	10,7	1 009 855
Petroleum, chemical products, rubber and plastic products	90 352 466	88 522 478	-2,0	-1 829 988
-Coke, petroleum products and nuclear fuel	37 479 353	36 072 828	-3,8	-1 406 525
-Basic chemicals	19 092 902	18 598 789	-2,6	-494 113
-Other chemical products	18 716 506	19 189 053	2,5	472 547
-Rubber products	4 030 622	3 773 798	-6,4	-256 824
-Plastic products	11 033 083	10 888 011	-1,3	-145 072
Glass and non-metallic mineral products	12 038 537	11 461 030	-4,8	-577 507
-Glass and glass products	1 973 345	2 192 836	11,1	219 491
-Non-metallic mineral products	10 065 191	9 268 193	-7,9	-796 998
Basic iron and steel, non-ferrous metal products, metal products and machinery	81 274 180	78 298 256	-3,7	-2 975 924
-Basic iron and steel products	24 116 271	22 680 762	-6,0	-1 435 509
-Basic precious, non-ferrous metal products	15 013 007	14 902 337	-0,7	-110 670
-Fabricated metal products	21 454 973	21 134 472	-1,5	-320 501
-Machinery and equipment	20 689 926	19 580 686	-5,4	-1 109 240
Electrical machinery	11 687 800	11 106 597	-5,0	-581 203
Radio, television and communication apparatus and professional equipment	3 704 554	3 955 103	6,8	250 549
-Radio, television and communication apparatus	1 789 565	1 876 767	4,9	87 202
-Professional equipment	1 914 989	2 078 337	8,5	163 348
Motor vehicles, parts and accessories and other transport equipment	46 664 553	48 109 153	3,1	1 444 600
-Motor vehicles, trailers, parts and accessories	42 115 534	43 318 828	2,9	1 203 294
-Other transport equipment	4 549 019	4 790 326	5,3	241 307
Furniture and other manufacturing division	15 796 117	15 519 428	-1,8	-276 689
-Furniture	3 550 412	3 582 586	0,9	32 174
-Other manufacturing groups	12 245 705	11 936 841	-2,5	-308 864
Total	376 388 608	374 920 096	-0,4	-1 468 512

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	1/ 105,9
Aug	108,8	114,4	114,9	96,7	101,7	107,7	1/ 110,7
Sep	109,7	108,9	114,2	100,7	102,1	110,5	1/ 109,3
Oct	117,0	124,1	121,1	109,1	111,8	113,2	
Nov	119,1	124,3	114,3	108,4	113,7	117,1	
Dec	96,6	96,5	87,8	90,2	90,9	93,1	
Year	104,8	109,7	110,4	96,1	100,9	103,5	

1/ Preliminary.

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

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

2/ The annual percentage change is the change in the index of the physical volume of manufacturing production of the relevant month of the current year compared with the corresponding month of the previous year expressed as a percentage.

Table 3 – Seasonally adjusted index of the total physical volume of manufacturing production: 2006 – 2012

Base: 2005=100

Month	2006	2007	2008	2009	2010	2011	2012
Jan	103,0	109,9	111,4	97,6	100,2	102,8	105,1
Feb	101,0	109,7	113,8	95,9	97,9	103,9	108,1
Mar	103,0	110,1	108,3	95,0	100,7	106,0	102,7
Apr	101,8	108,1	120,2	93,7	102,3	102,4	103,7
May	103,4	112,5	113,5	93,8	101,5	102,4	107,1
Jun	105,7	107,9	113,6	93,8	102,6	103,7	104,7
Jul	105,4	108,8	112,7	96,8	103,9	97,8	104,3
Aug	105,1	110,6	111,4	93,9	98,6	104,4	107,3
Sep	105,6	104,8	109,9	96,7	98,1	105,6	104,8
Oct	105,5	111,8	108,9	98,5	100,9	102,3	
Nov	107,5	112,2	102,7	98,0	102,3	105,2	
Dec	109,5	109,3	97,7	100,8	101,7	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		
			September 2011	1/ August 2012	1/ September 2012	September 2011	August 2012	September 2012
Food and beverages	15,4	119,2	130,4	128,5	123,6	122,1	127,1	115,7
-Meat, fish, fruit, etc.	1,8	120,2	124,0	124,9	124,1	121,8	123,8	121,8
-Dairy products	0,8	118,1	128,8	123,6	122,4	123,4	123,4	117,0
-Grain mill products	0,8	109,3	115,9	125,3	123,1	111,0	122,8	117,6
-Other food products	5,2	115,8	133,1	132,8	114,4	119,1	115,2	102,5
-Beverages	6,8	123,0	132,1	127,2	130,7	125,8	137,9	123,8
Textiles, clothing, leather and footwear	4,9	81,9	88,1	84,8	84,4	84,6	83,4	80,9
-Textiles	0,7	60,5	60,4	61,2	57,7	59,8	60,4	57,0
-Other textile products	0,9	72,7	82,5	71,6	69,7	81,1	69,8	68,4
-Knitted, crocheted articles	0,2	90,2	77,4	68,6	64,4	84,9	75,8	71,1
-Wearing apparel	2,1	83,2	88,9	89,9	92,0	83,0	87,9	86,0
-Leather and leather products	0,6	95,0	95,8	92,4	91,7	100,4	97,1	96,3
-Footwear	0,4	106,2	132,7	119,3	116,3	115,7	109,3	101,5
Wood and wood products, paper, publishing and printing	10,2	97,7	107,0	102,0	109,0	100,1	101,4	101,9
-Sawmilling and planing of wood	0,7	87,0	94,9	95,6	90,0	91,8	90,7	87,1
-Products of wood	1,3	88,5	95,0	95,5	90,8	88,6	91,5	84,8
-Paper and paper products	3,8	110,9	129,9	110,5	118,3	121,1	111,0	110,3
-Publishing	1,9	87,0	83,8	83,8	102,9	79,8	87,2	97,9
-Printing, recorded media	2,5	93,0	98,8	107,7	114,1	91,4	105,3	105,0
Petroleum, chemical products, rubber and plastic products	22,1	113,0	114,4	121,5	121,5	112,3	117,5	119,9
-Coke, petroleum products and nuclear fuel	8,5	88,7	74,3	99,1	95,5	79,8	93,2	102,2
-Basic chemicals	4,5	131,9	138,1	134,1	133,8	132,6	128,8	128,7
-Other chemical products	5,3	121,6	136,2	132,5	135,8	128,3	132,5	127,8
-Rubber products	1,0	96,7	111,9	87,0	96,3	105,8	90,2	90,8
-Plastic products	2,7	146,9	159,5	161,5	163,3	152,0	155,6	155,6
Glass and non-metallic mineral products	4,8	96,6	107,1	99,7	98,8	99,1	93,1	91,4
-Glass and glass products	1,0	116,4	123,6	125,9	139,4	114,2	124,3	128,4
-Non-metallic mineral products	3,8	91,7	103,0	93,2	88,6	95,3	85,3	82,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	91,8	96,2	95,2	93,7	92,5	92,3	90,4
-Basic iron and steel products	7,7	78,4	74,0	75,5	82,5	72,6	74,4	81,5
-Non-ferrous metal products	3,4	109,2	113,5	100,6	98,1	109,8	97,7	94,7
-Structural metal products	2,0	89,9	98,5	98,3	89,5	94,3	92,5	85,7
-Other fabricated metal products	3,8	112,0	120,9	130,8	121,1	118,3	126,5	118,7
-General purpose machinery	2,4	72,7	82,3	77,7	80,5	76,2	74,9	74,5
-Special purpose machinery	3,1	95,1	107,1	100,3	91,0	99,3	97,6	84,1
-Household appliances	0,6	101,4	116,8	124,8	120,5	109,9	116,5	113,1
Electrical machinery	2,5	130,0	152,1	131,2	135,2	138,8	125,2	123,5
Radio, television and communication apparatus and professional equipment	1,1	105,9	130,1	122,0	128,0	122,2	115,9	119,5
-Radio, television and communication apparatus	0,4	104,2	145,3	131,2	115,5	142,9	125,1	114,0
-Professional equipment	0,7	107,0	120,4	116,1	136,0	109,1	110,1	123,0
Motor vehicles, parts and accessories and other transport equipment	10,9	103,1	116,1	119,6	114,5	111,2	112,7	110,2
-Motor vehicles	4,9	96,5	113,7	126,5	126,3	110,1	118,6	122,4
-Bodies for motor vehicles, trailers and semi-trailers	0,5	126,9	146,4	142,4	133,1	137,7	134,1	126,1
-Parts and accessories	4,7	104,7	117,1	107,9	100,5	109,2	102,6	94,2
-Other transport equipment	0,9	117,7	108,8	130,4	114,1	114,1	122,1	118,7
Furniture and other manufacturing division	5,2	92,9	92,7	100,7	89,7	91,6	97,6	89,5
-Furniture	1,3	93,8	102,4	112,6	110,7	96,0	110,7	103,6
-Other manufacturing groups	3,9	92,6	89,5	96,8	82,7	90,2	93,3	84,8
Total	100,0	103,5	110,5	110,7	109,3	105,6	107,3	104,8

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		
			September 2011	1/ September 2012	% change between September 2011 and September 2012	August 2012	September 2012	% change between August and September 2012
Food and beverages	15,4	119,2	130,4	123,6	-5,2	127,1	115,7	-9,0
-Meat, fish, fruit, etc.	1,8	120,2	124,0	124,1	0,1	123,8	121,8	-1,6
-Dairy products	0,8	118,1	128,8	122,4	-5,0	123,4	117,0	-5,2
-Grain mill products	0,8	109,3	115,9	123,1	6,2	122,8	117,6	-4,2
-Other food products	5,2	115,8	133,1	114,4	-14,0	115,2	102,5	-11,0
-Beverages	6,8	123,0	132,1	130,7	-1,1	137,9	123,8	-10,2
Textiles, clothing, leather and footwear	4,9	81,9	88,1	84,4	-4,2	83,4	80,9	-3,0
-Textiles	0,7	60,5	60,4	57,7	-4,5	60,4	57,0	-5,6
-Other textile products	0,9	72,7	82,5	69,7	-15,5	69,8	68,4	-2,0
-Knitted, crocheted articles	0,2	90,2	77,4	64,4	-16,8	75,8	71,1	-6,2
-Wearing apparel	2,1	83,2	88,9	92,0	3,5	87,9	86,0	-2,2
-Leather and leather products	0,6	95,0	95,8	91,7	-4,3	97,1	96,3	-0,8
-Footwear	0,4	106,2	132,7	116,3	-12,4	109,3	101,5	-7,1
Wood and wood products, paper, publishing and printing	10,2	97,7	107,0	109,0	1,9	101,4	101,9	0,5
-Sawmilling and planing of wood	0,7	87,0	94,9	90,0	-5,2	90,7	87,1	-4,0
-Products of wood	1,3	88,5	95,0	90,8	-4,4	91,5	84,8	-7,3
-Paper and paper products	3,8	110,9	129,9	118,3	-8,9	111,0	110,3	-0,6
-Publishing	1,9	87,0	83,8	102,9	22,8	87,2	97,9	12,3
-Printing, recorded media	2,5	93,0	98,8	114,1	15,5	105,3	105,0	-0,3
Petroleum, chemical products, rubber and plastic products	22,1	113,0	114,4	121,5	6,2	117,5	119,9	2,0
-Coke, petroleum products and nuclear fuel	8,5	88,7	74,3	95,5	28,5	93,2	102,2	9,7
-Basic chemicals	4,5	131,9	138,1	133,8	-3,1	128,8	128,7	-0,1
-Other chemical products	5,3	121,6	136,2	135,8	-0,3	132,5	127,8	-3,5
-Rubber products	1,0	96,7	111,9	96,3	-13,9	90,2	90,8	0,7
-Plastic products	2,7	146,9	159,5	163,3	2,4	155,6	155,6	0,0
Glass and non-metallic mineral products	4,8	96,6	107,1	98,8	-7,7	93,1	91,4	-1,8
-Glass and glass products	1,0	116,4	123,6	139,4	12,8	124,3	128,4	3,3
-Non-metallic mineral products	3,8	91,7	103,0	88,6	-14,0	85,3	82,1	-3,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	91,8	96,2	93,7	-2,6	92,3	90,4	-2,1
-Basic iron and steel products	7,7	78,4	74,0	82,5	11,5	74,4	81,5	9,5
-Non-ferrous metal products	3,4	109,2	113,5	98,1	-13,6	97,7	94,7	-3,1
-Structural metal products	2,0	89,9	98,5	89,5	-9,1	92,5	85,7	-7,4
-Other fabricated metal products	3,8	112,0	120,9	121,1	0,2	126,5	118,7	-6,2
-General purpose machinery	2,4	72,7	82,3	80,5	-2,2	74,9	74,5	-0,5
-Special purpose machinery	3,1	95,1	107,1	91,0	-15,0	97,6	84,1	-13,8
-Household appliances	0,6	101,4	116,8	120,5	3,2	116,5	113,1	-2,9
Electrical machinery	2,5	130,0	152,1	135,2	-11,1	125,2	123,5	-1,4
Radio, television and communication apparatus and professional equipment	1,1	105,9	130,1	128,0	-1,6	115,9	119,5	3,1
-Radio, television and communication apparatus	0,4	104,2	145,3	115,5	-20,5	125,1	114,0	-8,9
-Professional equipment	0,7	107,0	120,4	136,0	13,0	110,1	123,0	11,7
Motor vehicles, parts and accessories and other transport equipment	10,9	103,1	116,1	114,5	-1,4	112,7	110,2	-2,2
-Motor vehicles	4,9	96,5	113,7	126,3	11,1	118,6	122,4	3,2
-Bodies for motor vehicles, trailers and semi-trailers	0,5	126,9	146,4	133,1	-9,1	134,1	126,1	-6,0
-Parts and accessories	4,7	104,7	117,1	100,5	-14,2	102,6	94,2	-8,2
-Other transport equipment	0,9	117,7	108,8	114,1	4,9	122,1	118,7	-2,8
Furniture and other manufacturing division	5,2	92,9	92,7	89,7	-3,2	97,6	89,5	-8,3
-Furniture	1,3	93,8	102,4	110,7	8,1	110,7	103,6	-6,4
-Other manufacturing groups	3,9	92,6	89,5	82,7	-7,6	93,3	84,8	-9,1
Total	100,0	103,5	110,5	109,3	-1,1	107,3	104,8	-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	1/ 124 597 549
Aug	94 106 608	106 756 672	128 075 397	102 171 776	107 873 773	121 774 032	1/ 130 946 237
Sep	96 312 774	102 072 116	127 557 225	106 385 385	110 151 480	129 822 841	1/ 129 315 050
Oct	101 657 037	115 324 079	133 838 287	111 499 001	118 674 521	130 325 799	
Nov	105 210 421	117 861 959	124 514 657	113 598 170	123 230 894	135 588 107	
Dec	83 953 143	93 460 862	97 565 655	96 538 722	101 389 781	114 218 802	
Year	1 051 398 774	1 211 497 188	1 428 574 464	1 213 240 467	1 288 236 361	1 407 860 474	

1/ Preliminary.

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

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

2/ The annual percentage change is the change in the sales of the manufacturing industry of the relevant month of the current year compared with the sales of the corresponding month of the previous year expressed as a percentage.

Table 7 – Total seasonally adjusted sales of the manufacturing industry at current prices (R'000): 2006 – 2012

Month	2006	2007	2008	2009	2010	2011	2012
Jan	81 502 755	98 459 248	110 155 721	104 055 250	104 998 834	111 941 286	123 823 907
Feb	79 530 258	99 114 310	115 340 629	103 387 127	103 526 530	113 359 723	128 426 496
Mar	82 397 021	98 719 157	112 770 552	102 917 505	107 195 982	117 453 547	124 139 118
Apr	81 096 306	98 654 481	127 506 165	98 554 170	107 140 461	113 848 502	124 116 652
May	85 055 039	102 810 645	121 286 928	98 198 265	106 929 368	115 025 645	127 530 675
Jun	87 737 674	98 356 678	123 547 642	97 622 367	108 552 267	116 608 004	124 741 281
Jul	88 635 726	98 965 480	127 303 266	99 718 673	109 046 803	109 442 206	123 914 202
Aug	90 927 125	103 265 511	123 710 690	99 347 813	105 262 779	118 843 771	127 803 147
Sep	91 282 779	96 857 223	121 138 684	101 232 755	104 627 820	123 503 267	123 202 747
Oct	92 462 073	104 726 617	121 623 891	101 538 027	108 322 783	119 325 678	
Nov	94 690 308	106 111 356	111 999 899	102 135 769	110 612 256	121 987 270	
Dec	94 148 791	105 023 416	108 181 061	106 194 319	111 361 022	125 421 320	

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		
		September 2011	1/ August 2012	1/ September 2012	September 2011	August 2012	September 2012
Food and beverages	280 767 606	25 290 210	26 663 918	26 888 582	24 382 883	26 621 614	25 868 695
-Meat, fish, fruit, etc.	73 509 709	6 647 777	7 017 098	7 116 170	6 427 824	6 928 881	6 865 750
-Dairy products	24 682 334	2 225 375	2 356 033	2 210 371	2 179 779	2 349 884	2 168 931
-Grain mill products	46 889 771	4 261 941	4 813 403	4 809 317	4 064 783	4 695 805	4 572 748
-Other food products	64 239 523	5 737 951	6 239 573	6 090 237	5 492 944	5 987 022	5 828 989
-Beverages	71 446 269	6 417 166	6 237 811	6 662 487	6 217 553	6 660 021	6 432 276
Textiles, clothing, leather and footwear	38 540 626	3 488 923	3 431 751	3 323 118	3 389 935	3 403 667	3 222 981
-Textiles	4 426 801	375 328	374 209	362 203	373 126	367 884	360 188
-Other textile products	10 082 035	949 985	861 662	816 638	952 214	867 538	817 800
-Knitted, crocheted articles	1 961 494	150 857	130 732	121 105	166 467	145 072	134 308
-Wearing apparel	13 859 807	1 243 819	1 318 049	1 298 971	1 177 163	1 277 761	1 229 636
-Leather and leather products	4 873 890	430 715	442 416	405 790	420 937	454 785	398 169
-Footwear	3 336 599	338 219	304 683	318 411	300 029	290 627	282 880
Wood and wood products, paper, publishing and printing	111 824 849	10 497 061	10 416 829	10 660 437	9 646 080	10 379 061	9 825 010
-Sawmilling and planing of wood	8 297 609	790 012	810 761	729 937	736 250	774 701	679 155
-Products of wood	15 877 870	1 453 597	1 457 031	1 426 642	1 339 930	1 397 686	1 318 834
-Paper and paper products	49 458 557	5 009 065	4 525 090	4 765 418	4 462 511	4 559 635	4 248 572
-Publishing	16 049 876	1 295 374	1 354 980	1 642 822	1 261 180	1 389 894	1 600 289
-Printing, recorded media	22 140 937	1 949 013	2 268 967	2 095 618	1 846 210	2 257 146	1 978 160
Petroleum, chemical products, rubber and plastic products	318 352 312	29 246 692	31 331 812	31 066 054	27 767 635	29 701 970	29 544 272
-Coke, petroleum products and nuclear fuel	124 093 250	11 244 959	13 373 023	12 464 431	10 953 737	11 969 064	12 163 192
-Basic chemicals	70 819 287	6 575 915	6 304 617	6 842 537	6 022 518	6 285 715	6 287 796
-Other chemical products	68 766 255	6 312 743	6 513 201	6 647 231	5 932 424	6 480 310	6 239 365
-Rubber products	14 986 294	1 422 806	1 316 627	1 259 904	1 383 775	1 284 014	1 225 482
-Plastic products	39 687 226	3 690 269	3 824 344	3 851 951	3 475 181	3 682 867	3 628 438
Glass and non-metallic mineral products	44 849 547	4 288 363	4 189 346	4 046 453	3 879 514	3 901 934	3 650 183
-Glass and glass products	7 240 340	703 625	720 256	859 795	618 988	720 641	753 137
-Non-metallic mineral products	37 609 207	3 584 738	3 469 090	3 186 658	3 260 526	3 181 293	2 897 046
Basic iron and steel, non-ferrous metal products, metal products and machinery	312 532 861	28 369 008	27 702 635	26 760 941	26 629 539	26 858 062	25 217 481
-Basic iron and steel products	99 408 140	8 234 089	7 955 648	7 656 986	7 963 196	7 629 993	7 484 475
-Non-ferrous metal products	61 809 327	6 001 884	5 193 094	5 181 873	5 393 474	5 257 860	4 654 914
-Structural metal products	25 697 747	2 408 563	2 647 861	2 510 530	2 278 358	2 472 843	2 368 202
-Other fabricated metal products	50 775 598	4 659 126	5 166 524	4 679 133	4 474 424	4 909 715	4 501 276
-General purpose machinery	28 315 464	2 739 181	2 578 807	2 700 701	2 499 254	2 499 700	2 459 904
-Special purpose machinery	37 224 519	3 478 268	3 218 168	3 175 739	3 209 692	3 159 631	2 931 206
-Household appliances	9 302 066	847 897	942 533	855 979	811 141	928 321	817 504
Electrical machinery	43 550 964	4 352 429	3 914 724	3 927 192	3 994 030	3 736 624	3 612 616
Radio, television and communication apparatus and professional equipment	14 051 600	1 442 663	1 460 743	1 441 199	1 336 531	1 343 873	1 331 268
-Radio, television and communication apparatus	6 499 645	746 770	731 637	613 174	704 334	656 779	579 905
-Professional equipment	7 551 955	695 893	729 106	828 025	632 198	687 094	751 364
Motor vehicles, parts and accessories and other transport equipment	182 251 860	17 669 265	16 395 936	16 105 706	17 387 382	16 575 398	15 903 304
-Motor vehicles	92 059 875	9 602 122	8 363 736	8 406 488	9 521 776	8 775 437	8 376 309
-Bodies for motor vehicles, trailers and semi-trailers	8 192 883	790 053	767 219	723 964	745 137	717 197	685 992
-Parts and accessories	64 261 615	5 896 799	5 544 234	5 468 941	5 677 167	5 476 596	5 276 421
-Other transport equipment	17 737 487	1 380 291	1 720 747	1 506 313	1 443 302	1 606 168	1 564 583
Furniture and other manufacturing division	61 138 249	5 178 227	5 438 543	5 095 368	5 089 738	5 280 946	5 026 937
-Furniture	12 246 361	1 088 573	1 227 447	1 228 477	1 037 367	1 217 063	1 171 166
-Other manufacturing groups	48 891 888	4 089 654	4 211 096	3 866 891	4 052 371	4 063 882	3 855 771
Total	1 407 860 474	129 822 841	130 946 237	129 315 050	123 503 267	127 803 147	123 202 747

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		
		September 2011	1/ September 2012	% change between September 2011 and September 2012	August 2012	September 2012	% change between August and September 2012
Food and beverages	280 767 606	25 290 210	26 888 582	6,3	26 621 614	25 868 695	-2,8
-Meat, fish, fruit, etc.	73 509 709	6 647 777	7 116 170	7,0	6 928 881	6 865 750	-0,9
-Dairy products	24 682 334	2 225 375	2 210 371	-0,7	2 349 884	2 168 931	-7,7
-Grain mill products	46 889 771	4 261 941	4 809 317	12,8	4 695 805	4 572 748	-2,6
-Other food products	64 239 523	5 737 951	6 090 237	6,1	5 987 022	5 828 989	-2,6
-Beverages	71 446 269	6 417 166	6 662 487	3,8	6 660 021	6 432 276	-3,4
Textiles, clothing, leather and footwear	38 540 626	3 488 923	3 323 118	-4,8	3 403 667	3 222 981	-5,3
-Textiles	4 426 801	375 328	362 203	-3,5	367 884	360 188	-2,1
-Other textile products	10 082 035	949 985	816 638	-14,0	867 538	817 800	-5,7
-Knitted, crocheted articles	1 961 494	150 857	121 105	-19,7	145 072	134 308	-7,4
-Wearing apparel	13 859 807	1 243 819	1 298 971	4,4	1 277 761	1 229 636	-3,8
-Leather and leather products	4 873 890	430 715	405 790	-5,8	454 785	398 169	-12,4
-Footwear	3 336 599	338 219	318 411	-5,9	290 627	282 880	-2,7
Wood and wood products, paper, publishing and printing	111 824 849	10 497 061	10 660 437	1,6	10 379 061	9 825 010	-5,3
-Sawmilling and planing of wood	8 297 609	790 012	729 937	-7,6	774 701	679 155	-12,3
-Products of wood	15 877 870	1 453 597	1 426 642	-1,9	1 397 686	1 318 834	-5,6
-Paper and paper products	49 458 557	5 009 065	4 765 418	-4,9	4 559 635	4 248 572	-6,8
-Publishing	16 049 876	1 295 374	1 642 822	26,8	1 389 894	1 600 289	15,1
-Printing, recorded media	22 140 937	1 949 013	2 095 618	7,5	2 257 146	1 978 160	-12,4
Petroleum, chemical products, rubber and plastic products	318 352 312	29 246 692	31 066 054	6,2	29 701 970	29 544 272	-0,5
-Coke, petroleum products and nuclear fuel	124 093 250	11 244 959	12 464 431	10,8	11 969 064	12 163 192	1,6
-Basic chemicals	70 819 287	6 575 915	6 842 537	4,1	6 285 715	6 287 796	-0,0
-Other chemical products	68 766 255	6 312 743	6 647 231	5,3	6 480 310	6 239 365	-3,7
-Rubber products	14 986 294	1 422 806	1 259 904	-11,4	1 284 014	1 225 482	-4,6
-Plastic products	39 687 226	3 690 269	3 851 951	4,4	3 682 867	3 628 438	-1,5
Glass and non-metallic mineral products	44 849 547	4 288 363	4 046 453	-5,6	3 901 934	3 650 183	-6,5
-Glass and glass products	7 240 340	703 625	859 795	22,2	720 641	753 137	4,5
-Non-metallic mineral products	37 609 207	3 584 738	3 186 658	-11,1	3 181 293	2 897 046	-8,9
Basic iron and steel, non-ferrous metal products, metal products and machinery	312 532 861	28 369 008	26 760 941	-5,7	26 858 062	25 217 481	-6,1
-Basic iron and steel products	99 408 140	8 234 089	7 656 986	-7,0	7 629 993	7 484 475	-1,9
-Non-ferrous metal products	61 809 327	6 001 884	5 181 873	-13,7	5 257 860	4 654 914	-11,5
-Structural metal products	25 697 747	2 408 563	2 510 530	4,2	2 472 843	2 368 202	-4,2
-Other fabricated metal products	50 775 598	4 659 126	4 679 133	0,4	4 909 715	4 501 276	-8,3
-General purpose machinery	28 315 464	2 739 181	2 700 701	-1,4	2 499 700	2 459 904	-1,6
-Special purpose machinery	37 224 519	3 478 268	3 175 739	-8,7	3 159 631	2 931 206	-7,2
-Household appliances	9 302 066	847 897	855 979	1,0	928 321	817 504	-11,9
Electrical machinery	43 550 964	4 352 429	3 927 192	-9,8	3 736 624	3 612 616	-3,3
Radio, television and communication apparatus and professional equipment	14 051 600	1 442 663	1 441 199	-0,1	1 343 873	1 331 268	-0,9
-Radio, television and communication apparatus	6 499 645	746 770	613 174	-17,9	656 779	579 905	-11,7
-Professional equipment	7 551 955	695 893	828 025	19,0	687 094	751 364	9,4
Motor vehicles, parts and accessories and other transport equipment	182 251 860	17 669 265	16 105 706	-8,8	16 575 398	15 903 304	-4,1
-Motor vehicles	92 059 875	9 602 122	8 406 488	-12,5	8 775 437	8 376 309	-4,5
-Bodies for motor vehicles, trailers and semi-trailers	8 192 883	790 053	723 964	-8,4	717 197	685 992	-4,4
-Parts and accessories	64 261 615	5 896 799	5 468 941	-7,3	5 476 596	5 276 421	-3,7
-Other transport equipment	17 737 487	1 380 291	1 506 313	9,1	1 606 168	1 564 583	-2,6
Furniture and other manufacturing division	61 138 249	5 178 227	5 095 368	-1,6	5 280 946	5 026 937	-4,8
-Furniture	12 246 361	1 088 573	1 228 477	12,9	1 217 063	1 171 166	-3,8
-Other manufacturing groups	48 891 888	4 089 654	3 866 891	-5,4	4 063 882	3 855 771	-5,1
Total	1 407 860 474	129 822 841	129 315 050	-0,4	127 803 147	123 202 747	-3,6

1/ Preliminary.

Table 9 – Annual percentage change in the three-monthly physical volume of manufacturing production and estimated sales according to manufacturing divisions and major groups

Manufacturing divisions and major groups	Weights 2005	Production indices (base: 2005=100)			Value of sales (R'000)		
		Jul. to Sep. 2011	Jul. to Sep. 2012	% change between Jul. to Sep. 2011 and Jul. to Sep. 2012	Jul. to Sep. 2011	Jul. to Sep. 2012	% change between Jul. to Sep. 2011 and Jul. to Sep. 2012
Food and beverages	15,4	122,7	124,0	1,1	71 217 675	78 342 436	10,0
-Meat, fish, fruit, etc.	1,8	122,9	122,8	-0,1	18 975 313	20 686 222	9,0
-Dairy products	0,8	118,0	120,0	1,7	6 206 862	6 758 749	8,9
-Grain mill products	0,8	112,5	122,3	8,7	12 217 874	14 161 641	15,9
-Other food products	5,2	131,0	127,3	-2,8	16 684 825	18 151 185	8,8
-Beverages	6,8	118,2	122,6	3,7	17 132 801	18 584 639	8,5
Textiles, clothing, leather and footwear	4,9	85,2	84,2	-1,2	9 959 491	10 071 728	1,1
-Textiles	0,7	60,7	58,4	-3,8	1 102 852	1 093 833	-0,8
-Other textile products	0,9	76,8	70,2	-8,6	2 645 910	2 496 474	-5,6
-Knitted, crocheted articles	0,2	78,8	68,1	-13,6	460 208	391 319	-15,0
-Wearing apparel	2,1	87,4	91,3	4,5	3 637 266	3 901 172	7,3
-Leather and leather products	0,6	92,2	91,5	-0,8	1 202 054	1 280 147	6,5
-Footwear	0,4	122,7	114,5	-6,7	911 201	908 783	-0,3
Wood and wood products, paper, publishing and printing	10,2	97,0	101,6	4,7	28 276 410	30 426 617	7,6
-Sawmilling and planing of wood	0,7	92,4	93,6	1,3	2 238 690	2 317 535	3,5
-Products of wood	1,3	90,0	93,1	3,4	4 109 486	4 308 221	4,8
-Paper and paper products	3,8	110,3	111,6	1,2	12 676 090	13 347 140	5,3
-Publishing	1,9	82,1	87,9	7,1	3 781 092	4 256 413	12,6
-Printing, recorded media	2,5	92,3	103,2	11,8	5 471 052	6 197 308	13,3
Petroleum, chemical products, rubber and plastic products	22,1	114,9	121,7	5,9	82 003 934	92 382 474	12,7
-Coke, petroleum products and nuclear fuel	8,5	89,2	99,7	11,8	32 557 069	38 744 647	19,0
-Basic chemicals	4,5	134,4	132,3	-1,6	17 745 208	18 874 351	6,4
-Other chemical products	5,3	122,6	133,6	9,0	17 251 065	19 579 535	13,5
-Rubber products	1,0	104,0	93,7	-9,9	4 082 597	3 911 419	-4,2
-Plastic products	2,7	151,7	159,3	5,0	10 367 995	11 272 522	8,7
Glass and non-metallic mineral products	4,8	104,6	100,1	-4,3	12 252 221	12 337 269	0,7
-Glass and glass products	1,0	121,1	130,7	7,9	1 931 568	2 257 532	16,9
-Non-metallic mineral products	3,8	100,5	92,5	-8,0	10 320 653	10 079 737	-2,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	89,7	92,7	3,3	77 523 687	80 943 814	4,4
-Basic iron and steel products	7,7	67,4	74,0	9,8	22 517 197	22 911 142	1,7
-Non-ferrous metal products	3,4	112,4	97,4	-13,3	15 852 033	15 377 100	-3,0
-Structural metal products	2,0	93,9	92,8	-1,2	6 822 740	7 556 058	10,7
-Other fabricated metal products	3,8	112,7	126,0	11,8	13 129 822	14 708 467	12,0
-General purpose machinery	2,4	74,0	79,5	7,4	7 225 752	7 880 808	9,1
-Special purpose machinery	3,1	97,8	98,2	0,4	9 620 500	9 879 314	2,7
-Household appliances	0,6	106,6	119,5	12,1	2 355 643	2 630 925	11,7
Electrical machinery	2,5	135,8	135,4	-0,3	11 540 870	11 768 365	2,0
Radio, television and communication apparatus and professional equipment	1,1	118,6	121,5	2,4	3 984 560	4 229 173	6,1
-Radio, television and communication apparatus	0,4	126,8	124,6	-1,7	1 992 459	2 026 195	1,7
-Professional equipment	0,7	113,3	119,6	5,6	1 992 101	2 202 978	10,6
Motor vehicles, parts and accessories and other transport equipment	10,9	112,4	114,6	2,0	49 662 367	48 676 726	-2,0
-Motor vehicles	4,9	108,7	123,7	13,8	25 915 412	24 939 445	-3,8
-Bodies for motor vehicles, trailers and semi-trailers	0,5	131,6	135,7	3,1	2 167 204	2 229 668	2,9
-Parts and accessories	4,7	111,6	101,5	-9,1	16 792 134	16 663 527	-0,8
-Other transport equipment	0,9	126,1	122,6	-2,8	4 787 617	4 844 086	1,2
Furniture and other manufacturing division	5,2	96,2	93,9	-2,4	15 466 007	15 680 234	1,4
-Furniture	1,3	96,8	110,8	14,5	3 125 159	3 677 293	17,7
-Other manufacturing groups	3,9	96,0	88,3	-8,0	12 340 848	12 002 941	-2,7
Total	100,0	105,9	108,6	2,5	361 887 222	384 858 836	6,3

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 Sep. 2011	Jan. to Sep. 2012	Annual % change between 2011 and 2012	Contribution (% points)	Jan. to Sep. 2011	Jan. to Sep. 2012	Annual % change between 2011 and 2012	Difference in sales between 2011 and 2012
Food and beverages	15,4	113,3	117,3	3,5	0,6	198 848	221 383	11,3	22 535
-Meat, fish, fruit, etc.	1,8	117,1	120,3	2,7	0,1	52 681	57 913	9,9	5 232
-Dairy products	0,8	112,3	117,7	4,8	0,0	17 617	19 784	12,3	2 167
-Grain mill products	0,8	106,8	114,1	6,8	0,1	33 787	39 474	16,8	5 687
-Other food products	5,2	113,3	114,7	1,2	0,1	46 344	51 033	10,1	4 689
-Beverages	6,8	113,3	118,7	4,8	0,4	48 418	53 179	9,8	4 761
Textiles, clothing, leather and footwear	4,9	80,6	80,3	-0,4	0,0	28 176	29 018	3,0	842
-Textiles	0,7	60,9	58,4	-4,1	0,0	3 327	3 306	-0,6	-21
-Other textile products	0,9	71,9	70,0	-2,6	0,0	7 364	7 446	1,1	82
-Knitted, crocheted articles	0,2	94,2	75,3	-20,1	0,0	1 503	1 302	-13,4	-201
-Wearing apparel	2,1	80,9	82,3	1,7	0,0	10 018	10 540	5,2	522
-Leather and leather products	0,6	93,6	97,0	3,6	0,0	3 614	3 929	8,7	315
-Footwear	0,4	104,4	103,8	-0,6	0,0	2 351	2 494	6,1	143
Wood and wood products, paper, publishing and printing	10,2	94,4	96,6	2,3	0,2	80 849	86 487	7,0	5 638
-Sawmilling and planing of wood	0,7	86,7	90,3	4,2	0,0	6 127	6 642	8,4	515
-Products of wood	1,3	86,7	86,8	0,1	0,0	11 668	12 133	4,0	465
-Paper and paper products	3,8	107,7	109,5	1,7	0,1	35 923	38 402	6,9	2 479
-Publishing	1,9	81,5	84,2	3,3	0,1	11 245	12 163	8,2	918
-Printing, recorded media	2,5	89,5	92,7	3,6	0,1	15 886	17 147	7,9	1 261
Petroleum, chemical products, rubber and plastic products	22,1	112,5	116,1	3,2	0,8	232 934	269 183	15,6	36 249
-Coke, petroleum products and nuclear fuel	8,5	92,9	94,9	2,2	0,2	93 272	116 894	25,3	23 622
-Basic chemicals	4,5	128,2	129,3	0,9	0,0	50 517	54 336	7,6	3 819
-Other chemical products	5,3	117,8	124,5	5,7	0,3	49 478	54 372	9,9	4 894
-Rubber products	1,0	97,3	97,7	0,4	0,0	10 963	11 860	8,2	897
-Plastic products	2,7	142,4	151,1	6,1	0,2	28 704	31 720	10,5	3 016
Glass and non-metallic mineral products	4,8	94,6	95,7	1,2	0,1	32 883	34 818	5,9	1 935
-Glass and glass products	1,0	112,1	115,6	3,1	0,0	5 090	5 724	12,5	634
-Non-metallic mineral products	3,8	90,2	90,7	0,6	0,0	27 793	29 094	4,7	1 301
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	91,0	91,1	0,1	0,0	230 124	242 051	5,2	11 927
-Basic iron and steel products	7,7	79,1	75,1	-5,1	-0,3	74 120	74 132	0,0	12
-Non-ferrous metal products	3,4	109,1	95,1	-12,8	-0,5	45 847	44 866	-2,1	-981
-Structural metal products	2,0	90,2	92,7	2,8	0,0	19 039	21 861	14,8	2 822
-Other fabricated metal products	3,8	110,3	119,6	8,4	0,3	36 903	41 928	13,6	5 025
-General purpose machinery	2,4	70,2	75,4	7,4	0,1	20 347	22 522	10,7	2 175
-Special purpose machinery	3,1	91,8	98,1	6,9	0,2	27 084	29 184	7,8	2 100
-Household appliances	0,6	99,8	113,6	13,8	0,1	6 784	7 559	11,4	775
-Electrical machinery	2,5	129,8	130,1	0,2	0,0	32 471	34 197	5,3	1 726
Radio, television and communication apparatus and professional equipment	1,1	104,4	109,9	5,3	0,1	10 287	11 182	8,7	895
-Radio, television and communication apparatus	0,4	102,5	111,8	9,1	0,0	4 704	5 253	11,7	549
-Professional equipment	0,7	105,6	108,7	2,9	0,0	5 582	5 929	6,2	347
Motor vehicles, parts and accessories and other transport equipment	10,9	105,4	107,7	2,2	0,2	136 125	137 846	1,3	1 721
-Motor vehicles	4,9	99,6	110,1	10,5	0,5	68 113	69 432	1,9	1 319
-Bodies for motor vehicles, trailers and semi-trailers	0,5	124,9	132,0	5,7	0,0	5 956	6 368	6,9	412
-Parts and accessories	4,7	106,4	101,6	-4,5	-0,2	48 501	48 662	0,3	161
-Other transport equipment	0,9	120,6	113,2	-6,1	-0,1	13 555	13 383	-1,3	-172
Furniture and other manufacturing division	5,2	93,5	91,8	-1,8	-0,1	45 030	46 126	2,4	1 096
-Furniture	1,3	89,4	99,2	11,0	0,1	8 613	9 898	14,9	1 285
-Other manufacturing groups	3,9	94,9	89,3	-5,9	-0,2	36 417	36 228	-0,5	-189
Total	100,0	102,0	103,9	1,9	1,9	1 027 728	1 112 290	8,2	84 562

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 September 2012 was 87,9%. Improved collection rate for August 2012 was 92,7%.
- Statistical unit**
- 10 The statistical unit for which information is compiled and published is the enterprise, defined as a legal unit or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.

Survey methodology and design

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