

Manufacturing: Production and sales

Preliminary: April 2006

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Table A - Selected key figures regarding manufacturing production and sales for April 2006

Estimates	April 2006	% change between April 2005 and April 2006	% change between February to April 2005 and February to April 2006	% change between January to April 2005 and January to April 2006
Physical volume of manufacturing production index (2000=100)	109,3	+0,1	+3,3	+3,8
Total value of sales of manufactured products (R million)	69 630	+2,4	+7,3	+8,1

Seasonally adjusted estimates	April 2006	% change between March and April 2006	% change between November 2005 to January 2006 and February to April 2006
Physical volume of manufacturing production index (2000=100)	115,5	-2,0	-0,4
Total value of sales of manufactured products (R million)	73 150	-2,7	+0,1

Key findings regarding manufacturing production and sales for April 2006

Manufacturing production decreases

The estimated manufacturing production for the three months ended April 2006 decreased by 0,4% after seasonal adjustment, compared with the previous three months. Lower production was reported by six of the ten manufacturing divisions. Manufacturers reported decreased production and sales in April 2006 due to a shorter working month resulting from the public holidays in April 2006.

The major contributors to the seasonally adjusted decrease of 0,4% in total manufacturing production between the three months ended April 2006 and the previous three months were the basic iron and steel, non-ferrous metal products, metal products and machinery division, the furniture and ‘other’ manufacturing divisions (each contributing -0,4 of a percentage point), glass and non-metallic mineral products division (contributing -0,2 of a percentage point), the electrical machinery division, the radio, television and communication apparatus and professional equipment division and the motor vehicles, parts and accessories and other transport equipment division (each contributing -0,1 of a percentage point). However, these decreases were counteracted by increases reported by food and beverages division (contributing +0,3 of a percentage point), the textiles, clothing, leather and footwear division, the wood and wood products, paper, publishing and printing division (each contributing +0,2 of a percentage point) and petroleum, chemical products, rubber and plastic products division (contributing +0,1 of a percentage point) (see Table B).

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

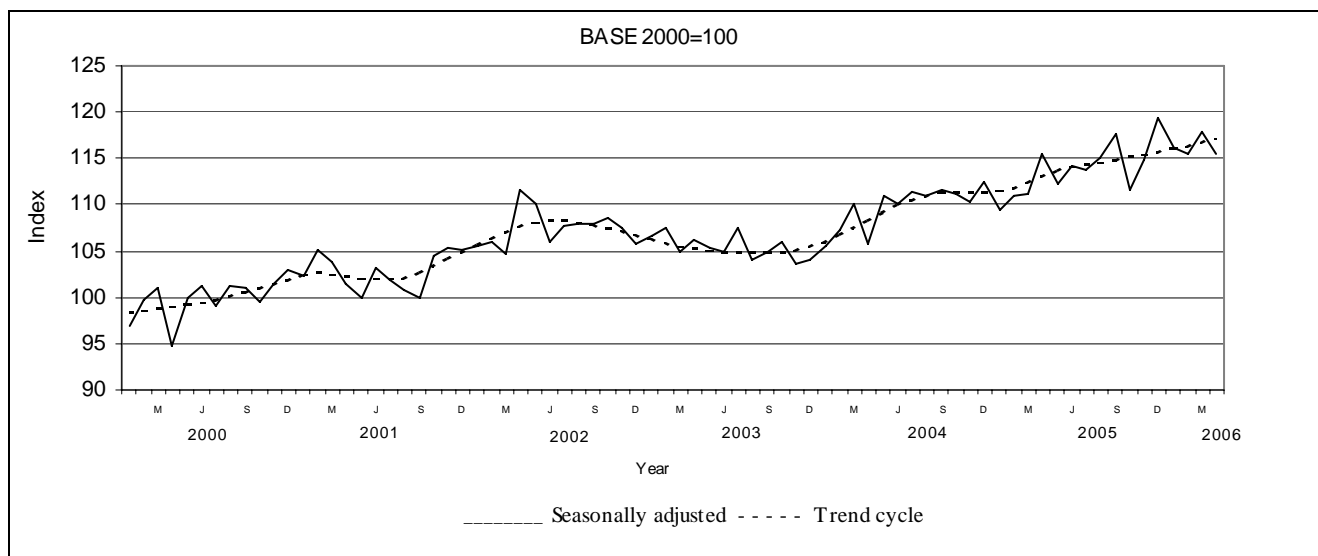
(Base 2000=100)

Manufacturing divisions and major groups	Percentage contribution to the total manufacturing production using the weights according to large sample survey of the manufacturing industry, 2001	Average seasonally adjusted production index for November 2005 to January 2006	Average seasonally adjusted production index for February to April 2006	Quarterly percentage change of February to April 2006 compared with the preceding three months	Contribution (percentage points) to the seasonally adjusted quarterly percentage change in total manufacturing production
					1/
Food and beverages	16,4	118,6	121,0	+2,0	+0,3
Food and food products	12,1	112,0	115,5	+3,1	+0,4
Beverages	4,3	137,3	136,6	-0,5	-0,0
Textiles, clothing, leather and footwear	5,4	95,5	98,2	+2,8	+0,2
Textiles	2,4	96,6	96,6	-0,0	-0,0
Wearing apparel	2,3	98,6	100,5	+1,9	+0,0
Leather and leather products	0,3	89,3	101,3	+13,4	+0,0
Footwear	0,4	79,1	92,7	+17,2	+0,1
Wood,paper,publish and printing	11,0	111,7	114,0	+2,1	+0,2
Wood and products of wood	1,7	123,9	121,9	-1,6	-0,0
Paper and paper products	4,8	105,5	109,6	+3,9	+0,2
Publishing and printing	4,6	113,5	115,6	+1,9	+0,1
Petroleum, chemical products, rubber and plastic products	22,5	112,6	113,1	+0,4	+0,1
Coke, petroleum products and nuclear fuel	9,1	97,0	100,6	+3,7	+0,3
Basic chemicals	4,0	115,5	116,1	+0,5	+0,0
Other chemical products	5,4	128,7	125,3	-2,6	-0,1
Rubber products	1,1	85,0	88,3	+3,9	+0,0
Plastic products	3,0	138,3	134,8	-2,5	-0,1
Glass and non-metallic mineral products	3,9	131,3	124,1	-5,5	-0,2
Glass and glass products	1,1	144,4	141,0	-2,4	-0,0
Non-metallic mineral products	2,9	126,4	117,9	-6,7	-0,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	117,5	115,6	-1,6	-0,4
Basic iron and steel products	5,5	105,7	104,5	-1,1	-0,1
Basic precious, non-ferrous metal products	4,7	119,4	120,3	+0,8	+0,0
Fabricated metal products	5,5	119,0	116,1	-2,4	-0,1
Machinery and equipment	6,7	124,7	121,4	-2,6	-0,2
Electrical machinery	2,7	99,5	95,9	-3,6	-0,1
Radio, television and communication apparatus and professional equipment	1,3	112,6	105,1	-6,7	-0,1
Radio, television and communication apparatus	0,7	89,3	86,2	-3,5	-0,0
Professional equipment	0,6	136,2	124,3	-8,7	-0,1
Motor vehicles, parts and accessories and other transport equipment	8,6	142,0	140,3	-1,2	-0,1
Motor vehicles, trailers, parts and accessories	7,6	148,7	147,4	-0,9	-0,1
Other transport equipment	1,0	90,9	85,9	-5,5	-0,1
Furniture and other manufacturing division	5,8	117,0	109,6	-6,3	-0,4
Furniture	1,6	140,0	136,5	-2,5	-0,0
Other manufacturing groups	4,2	108,4	99,5	-8,2	-0,3
Total	100,0	116,8	116,3	-0,4	-0,4

1/ The contribution is calculated by multiplying the quarterly percentage change of each manufacturing group or division with its corresponding weight in the base year, divided by 100.

Figure 1 shows the seasonally adjusted and trend series for the volume index of manufacturing production between January 2000 and April 2006. The trend series has been rising since mid-2003 to September 2004, moving sideways up to December 2004 and resuming its upward trend in 2005 and 2006.

Figure 1 – Index of the physical volume of manufacturing production



Sales of manufactured products increase

The estimated total value of sales of manufactured products at current prices for the three months ended April 2006 increased by 0,1% (+R131 million), after seasonal adjustment, compared with the previous three months. Higher manufacturing sales were reported by four of the ten manufacturing divisions during this period (see Table C). The value of sales of manufactured products at current prices for the three months ended April 2006 was 7,3% higher than for three months ended April 2005 (see Table D).

The seasonally adjusted increase of 0,1% in the total value of sales of manufactured products at current prices for the three months ended April 2006 compared with the previous three months was mainly due to increases reported for wood and wood products, paper, publishing and printing division (+2,5% or +R493 million), petroleum, chemical products, rubber and plastic products division (+2,0% or +R886 million), textiles, clothing, leather and footwear division (+1,0% or +R96 million), motor vehicles, parts and accessories and other transport equipment division (+0,5% or +R198 million). However, these increases were counteracted by decreases reported by radio, television and communication apparatus and professional equipment division (-6,5% or -R188 million), electrical machinery (-2,7% or -R145 million), glass and non-metallic mineral products division (-1,9% or -R128 million), basic iron and steel, non-ferrous metal products, metal products and machinery division (-1,5% or -R664 million), the furniture and ‘other’ manufacturing divisions (-1,2% or -R134 million) and food and beverages division (-0,7% or -R284 million) (see Table C).

Table C - Contribution of the manufacturing divisions and major groups to the total value of seasonally adjusted sales of manufactured products at current prices

Manufacturing divisions and major groups	Seasonally adjusted sales November 2005 to January 2006	Seasonally adjusted sales February to April 2006	Percentage change between November 2005 to January 2006 and February to April 2006	Difference in seasonally adjusted sales of manufacturing divisions between November 2005 to January 2006 and February to April 2006
	R'000	R'000		R'000
Food and beverages	39 994 831	39 710 637	-0,7	-284 194
Food and food products	29 842 877	29 532 788	-1,0	-310 089
Beverages	10 151 954	10 177 848	+0,3	25 894
Textiles, clothing, leather and footwear	9 788 893	9 885 329	+1,0	96 436
Textiles	4 317 371	4 288 813	-0,7	-28 558
Wearing apparel	3 599 478	3 674 292	+2,1	74 814
Leather and leather products	1 157 118	1 145 806	-1,0	-11 312
Footwear	714 925	776 419	+8,6	61 494
Wood,paper,publish and printing	19 680 553	20 173 345	+2,5	492 792
Wood and products of wood	4 105 152	4 058 654	-1,1	-46 498
Paper and paper products	8 440 314	8 732 841	+3,5	292 527
Publishing and printing	7 135 088	7 381 849	+3,5	246 761
Petroleum, chemical products, rubber and plastic products	44 001 952	44 888 373	+2,0	886 421
Coke, petroleum products and nuclear fuel	14 858 936	16 122 042	+8,5	1 263 106
Basic chemicals	9 088 098	9 000 102	-1,0	-87 996
Other chemical products	12 117 004	11 823 534	-2,4	-293 470
Rubber products	1 971 818	2 045 052	+3,7	73 234
Plastic products	5 966 095	5 897 645	-1,1	-68 450
Glass and non-metallic mineral products	6 889 076	6 761 504	-1,9	-127 572
Glass and glass products	1 214 758	1 182 844	-2,6	-31 914
Non-metallic mineral products	5 674 318	5 578 660	-1,7	-95 658
Basic iron and steel, non-ferrous metal products, metal products and machinery	43 929 010	43 265 459	-1,5	-663 551
Basic iron and steel products	14 270 739	13 682 319	-4,1	-588 420
Basic precious, non-ferrous metal products	6 164 086	6 630 490	+7,6	466 404
Fabricated metal products	10 974 808	10 725 564	-2,3	-249 244
Machinery and equipment	12 519 375	12 227 084	-2,3	-292 291
Electrical machinery	5 381 172	5 236 546	-2,7	-144 626
Radio, television and communication apparatus and professional equipment	2 905 288	2 717 427	-6,5	-187 861
Radio, television and communication apparatus	1 514 173	1 421 324	-6,1	-92 849
Professional equipment	1 391 116	1 296 103	-6,8	-95 013
Motor vehicles, parts and accessories and other transport equipment	37 463 196	37 660 720	+0,5	197 524
Motor vehicles, trailers, parts and accessories	35 235 395	35 559 466	+0,9	324 071
Other transport equipment	2 227 800	2 101 255	-5,7	-126 545
Furniture and other manufacturing division	10 969 362	10 835 018	-1,2	-134 344
Furniture	2 737 011	2 717 164	-0,7	-19 847
Other manufacturing groups	8 232 352	8 117 856	-1,4	-114 496
Total	221 003 332	221 134 359	+0,1	131 027

The major contributors to the increase of 7,3% in sales of manufactured products at current prices for the three months ended April 2006 compared with the three months ended April 2005 were the motor vehicles, parts and accessories and other transport equipment (+3,0 percentage points or +R6 001 million), petroleum, chemical products, rubber and plastic products (+2,1 percentage points or +R4 188 million), food and beverages (+0,9 of a percentage point or +R1 787 million), wood and wood products, paper, publishing and printing (+0,7 of a percentage point or +R1 347 million), furniture and 'other manufacturing' divisions (+0,6 of a percentage point or +R1 146 million), glass and non-metallic mineral products (+0,3 of a percentage point or +R568 million) and electrical machinery (+0,2 of a percentage point or +R313 million) divisions (see Table D).

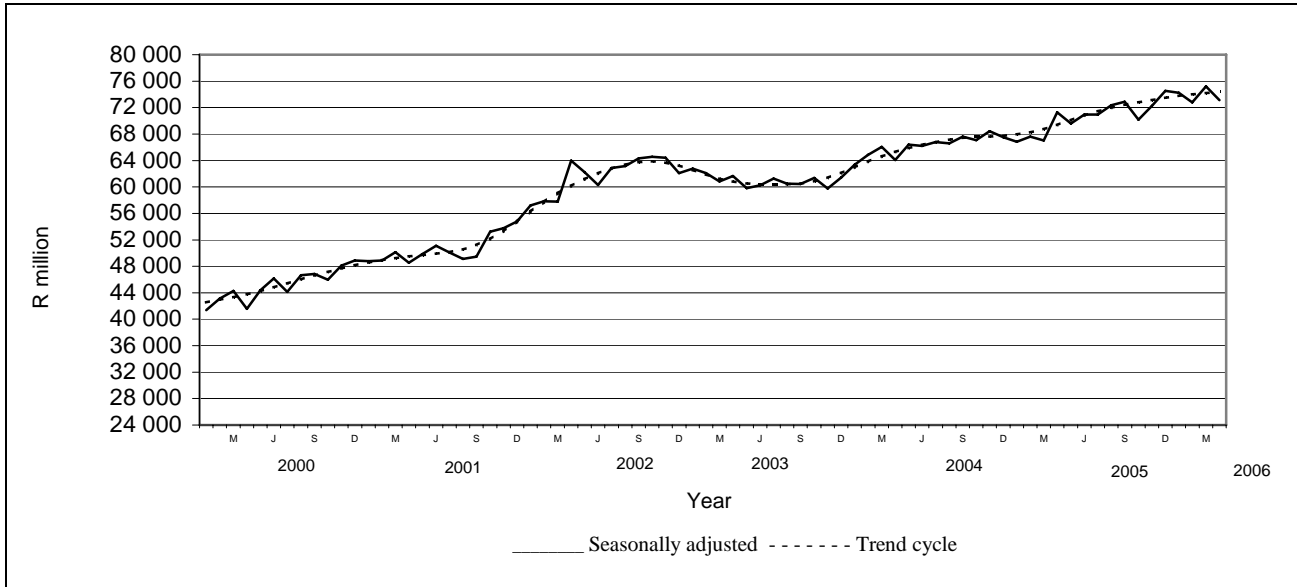
Table D - Contribution of the manufacturing divisions and major groups to total value of sales of manufactured products at current prices

Manufacturing divisions and major groups	Percentage contribution to total value of sales of manufactured products February to April 2005	Percentage change between February to April 2005 and February to April 2006	Contribution (percentage points) to the change in the total value of sales of manufactured products 1/	Difference in sales of manufacturing divisions between February to April 2005 and February to April 2006
				R'000
Food and beverages	18,3	+4,8	+0,9	1 786 657
Food and food products	13,6	+4,0	+0,5	1 112 278
Beverages	4,6	+7,2	+0,3	674 379
Textiles, clothing, leather and footwear	4,9	+0,7	-0,0	69 038
Textiles	2,2	-1,6	-0,0	-70 685
Wearing apparel	1,8	+0,2	-0,0	9 222
Leather and leather products	0,6	+0,8	-0,0	9 809
Footwear	0,3	+19,7	+0,1	120 692
Wood,paper,publish and printing	9,0	+7,4	+0,7	1 347 054
Wood and products of wood	1,9	+6,5	+0,1	245 292
Paper and paper products	3,8	+8,8	+0,3	675 759
Publishing and printing	3,3	+6,3	+0,2	426 003
Petroleum, chemical products, rubber and plastic products	19,6	+10,6	+2,1	4 188 461
Coke, petroleum products and nuclear fuel	6,5	+19,6	+1,3	2 567 010
Basic chemicals	3,8	+9,5	+0,4	737 008
Other chemical products	5,5	+4,8	+0,3	540 356
Rubber products	1,1	-7,8	-0,1	-174 886
Plastic products	2,6	+9,8	+0,3	518 973
Glass and non-metallic mineral products	2,9	+9,8	+0,3	568 324
Glass and glass products	0,5	+9,5	-0,0	93 647
Non-metallic mineral products	2,4	+9,8	+0,2	474 677
Basic iron and steel, non-ferrous metal products, metal products and machinery	21,5	-1,7	-0,4	-751 448
Basic iron and steel products	7,7	-12,8	-1,0	-2 005 050
Basic precious, non-ferrous metal products	2,9	+9,3	+0,3	545 576
Fabricated metal products	4,9	+7,1	+0,3	700 204
Machinery and equipment	6,0	+0,1	-0,0	7 822
Electrical machinery	2,4	+6,4	+0,2	313 092
Radio, television and communication apparatus and professional equipment	1,3	+4,8	+0,1	129 753
Radio, television and communication apparatus	0,7	+5,5	-0,0	79 976
Professional equipment	0,6	+4,0	-0,0	49 777
Motor vehicles, parts and accessories and other transport equipment	15,5	+19,1	+3,0	6 001 226
Motor vehicles, trailers, parts and accessories	14,4	+21,1	+3,0	6 120 121
Other transport equipment	1,1	-5,1	-0,1	-118 895
Furniture and other manufacturing division	4,6	+12,2	+0,6	1 145 802
Furniture	1,2	+8,4	+0,1	199 390
Other manufacturing groups	3,5	+13,5	+0,5	946 412
Total	100,0	+7,3	+7,3	14 797 959

1/ The contribution (percentage points) is calculated by multiplying the percentage change of each manufacturing major group or division with the percentage contribution of the same major group or division during corresponding period in 2005, divided by 100.

Figure 2 shows the seasonally adjusted and trend series for sales of manufactured products between January 2000 and April 2006. After peaking in September 2002, the series declined until May 2003, before resuming its upward movement.

Figure 2 - Total value of sales of manufactured products at current prices



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Notes

Forthcoming issues	Issue	Expected release date
	May 2006	12 July 2006
Purpose of the survey	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	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.	
Response rate	The preliminary response rate for the survey on manufacturing production and sales for April 2006 was 78,2%. Improved response rate for March 2006 was 84,4%.	

Detailed tables

Table 1 - Indices of the physical volume of manufacturing production: Total

Month	2000	2001	2002	2003	2004	2005	2006
Actual indices							
J	85,2	91,1	93,7	94,4	93,1	96,2	101,8
F	98,7	102,7	103,6	104,3	103,6	106,3	1/ 110,4
M	104,8	106,8	108,2	108,4	114,1	114,9	1/ 121,5
A	89,0	95,3	104,4	100,0	100,3	109,2	1/ 109,3
M	99,9	100,2	110,3	105,7	111,6	112,7	
J	102,1	104,0	106,7	105,3	110,5	114,3	
J	100,1	102,8	108,8	108,7	113,0	115,5	
A	102,5	102,3	109,8	106,3	113,7	118,1	
S	104,8	103,1	111,4	108,7	116,0	122,8	
O	109,8	114,9	119,6	116,7	122,5	123,4	
N	113,6	117,6	119,8	114,9	122,3	127,2	
D	89,5	92,5	92,7	91,5	99,0	104,6	
Year	100,0	102,8	107,4	105,4	110,0	113,8	
Seasonally adjusted indices							
J	97,0	102,6	105,9	107,1	105,4	109,4	116,2
F	99,8	105,0	105,9	107,7	107,3	110,9	115,5
M	100,9	103,7	104,7	104,9	110,5	111,1	117,8
A	94,7	101,5	111,7	106,4	105,8	115,5	115,5
M	100,0	100,0	110,0	105,2	111,0	112,2	
J	101,2	103,2	106,0	104,8	110,1	114,1	
J	99,0	101,6	107,4	107,1	111,3	113,7	
A	101,2	100,9	107,8	103,9	111,0	115,1	
S	101,0	100,0	107,9	104,9	111,6	117,8	
O	99,5	104,3	108,6	105,9	111,0	111,7	
N	101,5	105,4	107,6	103,8	110,3	114,8	
D	103,0	105,0	105,3	103,4	112,4	119,4	

1/ Preliminary.

Table 2 - Percentage change in the index of the physical volume of manufacturing production: Total

Month	2000	2001	2002	2003	2004	2005	2006
J	.	+6,9	+2,9	+0,7	-1,4	+3,3	+5,8
F	.	+4,1	+0,9	+0,7	-0,7	+2,6	+3,9
M	.	+1,9	+1,3	+0,2	+5,3	+0,7	+5,7
A	.	+7,1	+9,5	-4,2	+0,3	+8,9	+0,1
M	.	+0,3	+10,1	-4,2	+5,6	+1,0	
J	.	+1,9	+2,6	-1,3	+4,9	+3,4	
J	.	+2,7	+5,8	-0,1	+4,0	+2,2	
A	.	-0,2	+7,3	-3,2	+7,0	+3,9	
S	.	-1,6	+8,1	-2,4	+6,7	+5,9	
O	.	+4,6	+4,1	-2,4	+5,0	+0,7	
N	.	+3,5	+1,9	-4,1	+6,4	+4,0	
D	.	+3,4	+0,2	-1,3	+8,2	+5,7	
Year	.	+2,8	+4,5	-1,9	+4,4	+3,5	

The percentage change is the change in the index of the physical volume of manufacturing production of the relevant year compared with the index of physical volume of manufacturing production of the previous year expressed as a percentage.

Table 3a - Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups

Base 2000 = 100

Manufacturing divisions and major groups	Weights	Year 2005	Indices			Seasonally adjusted indices		
			April 2005	1/	1/	April 2005	March 2006	April 2006
				March 2006	April 2006			
			2005	2006	2006			
Food and beverages	16,4	118,7	111,0	123,4	113,6	121,2	121,2	124,1
Meat, fish, fruit etc.	2,6	127,7	130,6	139,4	114,5	139,2	128,9	122,8
Dairy products	1,1	103,3	98,3	110,9	106,3	102,4	106,7	110,0
Grain mill products	1,5	123,4	123,4	130,0	115,5	123,0	126,7	115,1
Other food products	6,8	106,6	100,2	100,9	105,7	111,6	111,9	117,4
Beverages	4,3	134,6	115,3	150,4	126,8	129,8	133,0	142,3
Textiles, clothing, leather and footwear	5,4	98,0	99,7	106,7	94,0	103,1	98,9	97,1
Textiles	1,2	81,3	82,2	84,2	76,0	83,0	75,2	76,9
Other textile products	1,2	117,2	118,9	131,9	105,6	123,7	119,3	110,0
Knitted, crocheted articles	0,3	77,3	83,9	87,7	78,7	85,5	80,0	80,2
Wearing apparel	2,0	104,2	105,8	110,3	100,2	110,4	104,1	104,3
Leather and leather products	0,3	100,0	107,0	111,8	99,8	111,2	100,9	103,6
Footwear	0,4	79,4	76,4	95,8	90,9	78,9	98,3	93,7
Wood and wood products, paper, publishing and printing	11,0	109,0	105,4	116,2	110,4	109,1	114,2	114,5
Sawmilling and planing of wood	0,7	113,3	109,9	133,3	116,4	113,5	120,3	120,6
Products of wood	1,0	124,6	123,6	125,6	116,8	131,7	124,2	124,1
Paper and paper products	4,8	104,1	103,0	108,1	108,9	107,5	106,7	113,5
Publishing	2,4	107,3	89,6	120,3	112,5	94,8	120,0	119,5
Printing, recorded media	2,1	113,1	118,6	119,7	106,2	117,1	117,7	104,9
Petroleum, chemical products, rubber and plastic products	22,5	113,3	114,4	117,6	110,4	115,9	114,0	111,8
Coke, petroleum products, and nuclear fuel	9,1	103,1	108,4	106,1	98,8	107,5	101,3	97,6
Basic chemicals	4,0	113,5	112,4	113,2	113,8	116,0	116,7	117,4
Other chemical products	5,4	125,7	125,9	133,5	119,5	129,7	128,0	123,4
Rubber products	1,1	93,7	92,9	93,2	83,2	95,7	90,9	85,5
Plastic products	3,0	129,2	122,9	139,4	135,7	123,9	133,2	136,7
Glass and non-metallic mineral products	3,9	122,9	116,2	124,7	116,7	122,4	125,6	122,9
Glass and glass products	1,1	137,9	129,5	138,9	128,5	137,9	144,7	137,5
Non-metallic mineral products	2,9	117,3	111,3	119,4	112,3	116,7	118,5	117,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	113,1	109,2	121,6	111,2	115,6	115,8	117,4
Basic iron and steel products	5,5	103,7	112,2	105,9	108,1	110,2	104,4	105,6
Non-ferrous metal products	4,7	109,9	100,0	125,4	123,0	101,2	121,6	124,2
Structural metal products	1,3	116,1	120,8	127,3	112,0	117,5	120,5	108,7
Other fabricated metal products	4,2	112,6	105,2	124,8	105,2	114,6	118,9	114,9
General purpose machinery	2,4	114,1	119,3	110,0	102,3	120,4	106,3	103,1
Special purpose machinery	3,2	130,6	111,4	139,0	105,3	141,1	119,8	132,5
Household appliances	1,2	120,5	105,9	142,0	136,4	120,4	142,0	155,6
Electrical machinery	2,7	97,7	93,7	101,1	91,2	98,7	95,9	96,7
Radio, television and communication apparatus and professional equipment	1,3	113,3	100,1	116,0	96,0	103,8	110,0	99,9
Radio, television and communication apparatus	0,7	92,7	78,8	95,3	83,8	83,2	89,1	88,6
Professional equipment	0,6	134,2	121,7	137,0	108,4	124,7	131,2	111,4
Motor vehicles, parts and accessories and other transport equipment	8,6	128,5	117,5	151,9	122,6	126,9	144,5	133,4
Motor vehicles	4,1	129,3	113,7	154,0	119,3	127,0	148,5	133,9
Bodies for motor vehicles, trailers and semi-trailers	0,4	156,0	141,6	183,1	157,3	140,6	172,8	158,5
Parts and accessories	3,1	135,8	129,0	160,1	136,7	133,7	154,9	144,0
Other transport equipment	1,0	91,7	88,3	106,0	78,6	100,6	84,7	88,6
Other manufacturing divisions	5,8	108,0	92,5	118,4	84,6	109,3	121,7	97,5
Furniture	1,6	132,5	116,8	136,9	125,7	129,6	137,2	139,4
Other manufacturing groups	4,2	98,7	83,3	111,5	69,1	101,6	115,8	81,8
Total	100,0	113,8	109,2	121,5	109,3	115,5	117,8	115,5

1/ Preliminary.

Table 3b - Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups (concluded)

Manufacturing divisions and major groups	Weights	Year 2005	Indices			Seasonally adjusted indices		
			April 2005	1/ April 2006	Percentage difference between April 2005 and April 2006	March 2006	April 2006	Percentage difference between March and April 2006
Food and beverages	16,4	118,7	111,0	113,6	+2,3	121,2	124,1	+2,4
Meat, fish, fruit etc.	2,6	127,7	130,6	114,5	-12,3	128,9	122,8	-4,7
Dairy products	1,1	103,3	98,3	106,3	+8,1	106,7	110,0	+3,1
Grain mill products	1,5	123,4	123,4	115,5	-6,4	126,7	115,1	-9,2
Other food products	6,8	106,6	100,2	105,7	+5,5	111,9	117,4	+4,9
Beverages	4,3	134,6	115,3	126,8	+10,0	133,0	142,3	+7,0
Textiles, clothing, leather and footwear	5,4	98,0	99,7	94,0	-5,7	98,9	97,1	-1,8
Textiles	1,2	81,3	82,2	76,0	-7,5	75,2	76,9	+2,3
Other textile products	1,2	117,2	118,9	105,6	-11,2	119,3	110,0	-7,8
Knitted, crocheted articles	0,3	77,3	83,9	78,7	-6,2	80,0	80,2	+0,3
Wearing apparel	2,0	104,2	105,8	100,2	-5,3	104,1	104,3	+0,2
Leather and leather products	0,3	100,0	107,0	99,8	-6,7	100,9	103,6	+2,7
Footwear	0,4	79,4	76,4	90,9	+19,0	98,3	93,7	-4,7
Wood and wood products, paper, publishing and printing	11,0	109,0	105,4	110,4	+4,7	114,2	114,5	+0,3
Sawmilling and planing of wood	0,7	113,3	109,9	116,4	+5,9	120,3	120,6	+0,2
Products of wood	1,0	124,6	123,6	116,8	-5,5	124,2	124,1	-0,1
Paper and paper products	4,8	104,1	103,0	108,9	+5,7	106,7	113,5	+6,4
Publishing	2,4	107,3	89,6	112,5	+25,6	120,0	119,5	-0,4
Printing, recorded media	2,1	113,1	118,6	106,2	-10,5	117,7	104,9	-10,9
Petroleum, chemical products, rubber and plastic products	22,5	113,3	114,4	110,4	-3,5	114,0	111,8	-1,9
Coke, petroleum products and nuclear fuel	9,1	103,1	108,4	98,8	-8,9	101,3	97,6	-3,7
Basic chemicals	4,0	113,5	112,4	113,8	+1,2	116,7	117,4	+0,6
Other chemical products	5,4	125,7	125,9	119,5	-5,1	128,0	123,4	-3,6
Rubber products	1,1	93,7	92,9	83,2	-10,4	90,9	85,5	-5,9
Plastic products	3,0	129,2	122,9	135,7	+10,4	133,2	136,7	+2,6
Glass and non-metallic mineral products	3,9	122,9	116,2	116,7	+0,4	125,6	122,9	-2,1
Glass and glass products	1,1	137,9	129,5	128,5	-0,8	144,7	137,5	-5,0
Non-metallic mineral products	2,9	117,3	111,3	112,3	+0,9	118,5	117,5	-0,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	113,1	109,2	111,2	+1,8	115,8	117,4	+1,4
Basic iron and steel products	5,5	103,7	112,2	108,1	-3,7	104,4	105,6	+1,1
Non-ferrous metal products	4,7	109,9	100,0	123,0	+23,0	121,6	124,2	+2,1
Structural metal products	1,3	116,1	120,8	112,0	-7,3	120,5	108,7	-9,8
Other fabricated metal product	4,2	112,6	105,2	105,2	-0,0	118,9	114,9	-3,4
General purpose machinery	2,4	114,1	119,3	102,3	-14,2	106,3	103,1	-3,0
Special purpose machinery	3,2	130,6	111,4	105,3	-5,5	119,8	132,5	+10,6
Household appliances	1,2	120,5	105,9	136,4	+28,8	142,0	155,6	+9,6
Electrical machinery	2,7	97,7	93,7	91,2	-2,7	95,9	96,7	+0,8
Radio, television and communication apparatus and professional equipment	1,3	113,3	100,1	96,0	-4,1	110,0	99,9	-9,2
Radio, television and communication apparatus	0,7	92,7	78,8	83,8	+6,3	89,1	88,6	-0,6
Professional equipment	0,6	134,2	121,7	108,4	-10,9	131,2	111,4	-15,1
Motor vehicles, parts and accessories and other transport equipment	8,6	128,5	117,5	122,6	+4,3	144,5	133,4	-7,7
Motor vehicles	4,1	129,3	113,7	119,3	+4,9	148,5	133,9	-9,8
Bodies for motor vehicles, trailers and semi-trailers	0,4	156,0	141,6	157,3	+11,1	172,8	158,5	-8,3
Parts and accessories	3,1	135,8	129,0	136,7	+6,0	154,9	144,0	-7,0
Other transport equipment	1,0	91,7	88,3	78,6	-11,0	84,7	88,6	+4,6
Other manufacturing divisions	5,8	108,0	92,5	84,6	-8,5	121,7	97,5	-19,9
Furniture	1,6	132,5	116,8	125,7	+7,6	137,2	139,4	+1,6
Other manufacturing groups	4,2	98,7	83,3	69,1	-17,0	115,8	81,8	-29,4
Total	100,0	113,8	109,2	109,3	+0,1	117,8	115,5	-2,0

1/ Preliminary.

Table 4 – Total estimated sales of the manufacturing industry at current prices (R'000)

Month	2000	2001	2002	2003	2004	2005	2006
Actual values							
J	34 427 494	41 043 695	48 213 334	52 881 892	53 577 205	56 470 478	62 755 467
F	41 984 311	47 559 661	56 319 773	60 374 141	62 575 341	65 023 085	1/ 69 879 851
M	46 246 977	52 200 984	59 926 973	62 739 099	67 969 216	69 178 438	1/ 77 520 045
A	39 304 965	45 876 551	60 441 376	58 657 547	61 211 805	68 029 954	1/ 69 629 540
M	44 574 471	50 181 467	62 683 501	60 262 799	66 815 480	69 947 413	
J	47 081 382	52 042 802	61 135 948	60 811 763	66 561 396	71 215 228	
J	44 015 506	49 989 523	62 877 019	61 398 195	67 177 893	71 531 776	
A	47 373 593	49 928 171	64 210 548	61 531 966	67 929 570	73 867 868	
S	48 468 742	51 099 123	66 577 439	62 900 284	70 906 521	76 576 128	
O	50 720 639	58 609 152	71 025 253	67 504 463	73 526 006	76 815 301	
N	53 508 142	59 846 533	71 503 335	66 340 128	75 806 307	80 181 440	
D	44 778 462	50 601 063	56 979 458	56 066 970	61 891 950	68 167 899	
Year	542 484 684	608 978 725	741 893 957	731 469 247	795 948 690	847 005 008	
Seasonally adjusted values							
J	41 377 537	48 773 923	57 201 826	62 688 568	63 328 133	66 832 315	74 230 562
F	43 151 716	48 933 036	57 922 396	62 295 432	64 832 927	67 597 868	72 777 251
M	44 269 158	50 088 405	57 700 146	60 703 773	65 909 313	67 026 582	75 207 020
A	41 588 853	48 589 386	64 070 463	61 846 495	64 113 663	71 301 503	73 150 088
M	44 395 653	49 865 257	62 226 005	59 789 811	66 386 274	69 586 674	
J	46 146 181	51 111 797	60 261 524	60 240 024	66 224 657	70 954 733	
J	44 129 798	50 085 429	62 853 661	61 250 297	66 783 207	70 963 039	
A	46 657 206	49 146 446	63 127 357	60 458 787	66 633 516	72 351 067	
S	46 805 014	49 366 425	64 126 296	60 290 708	67 692 252	72 907 604	
O	45 979 067	53 256 730	64 712 216	61 539 175	67 148 065	70 165 593	
N	48 101 155	53 792 907	64 478 361	59 767 036	68 477 504	72 241 565	
D	48 906 245	54 809 791	62 076 290	61 239 331	67 483 083	74 531 205	

1/ Preliminary.

Table 5 - Percentage change in the value of sales of the manufacturing industry: Total

Month	2000	2001	2002	2003	2004	2005	2006
J	..	+19,2	+17,5	+9,7	+1,3	+5,4	+11,1
F	..	+13,3	+18,4	+7,2	+3,6	+3,9	+7,5
M	..	+12,9	+14,8	+4,7	+8,3	+1,8	+12,1
A	..	+16,7	+31,7	-3,0	+4,4	+11,1	+2,4
M	..	+12,6	+24,9	-3,9	+10,9	+4,7	
J	..	+10,5	+17,5	-0,5	+9,5	+7,0	
J	..	+13,6	+25,8	-2,4	+9,4	+6,5	
A	..	+5,4	+28,6	-4,2	+10,4	+8,7	
S	..	+5,4	+30,3	-5,5	+12,7	+8,0	
O	..	+15,6	+21,2	-5,0	+8,9	+4,5	
N	..	+11,8	+19,5	-7,2	+14,3	+5,8	
D	..	+13,0	+12,6	-1,6	+10,4	+10,1	
Year	.	+12,3	+21,8	-1,4	+8,8	+6,4	

The percentage change is the change in the sales of the manufacturing industry of the relevant year compared with the sales of the previous year expressed as a percentage.

Table 6a - Sales of manufactured products according to manufacturing divisions and major groups (R'000)

Manufacturing divisions and major groups	Year	Actual values						Seasonally adjusted values					
		2005		2006		2006		2005		2006			
		April	1/ March	1/ April	April	March	April	April	March	April			
		2005	2006	2006	2005	2006	2006	2005	2006	2006			
Food and beverages	153 498 313	12 488 914	13 721 873	12 782 376	12 939 488	13 492 281	13 240 326						
Meat, fish, fruit etc.	35 850 560	3 004 060	3 228 402	2 912 219	3 137 115	3 121 884	3 045 356						
Dairy products	12 974 474	1 052 374	1 232 565	1 129 653	1 083 537	1 174 407	1 162 585						
Grain mill products	24 925 750	2 087 746	2 228 388	2 040 084	2 081 713	2 228 526	2 029 655						
Other food products	40 542 063	3 551 756	3 562 432	3 577 827	3 576 603	3 665 276	3 578 283						
Beverages	39 205 466	2 792 978	3 470 086	3 122 593	3 060 519	3 302 187	3 424 447						
Textiles, clothing, leather and footwear	38 738 665	3 285 561	3 586 493	3 155 805	3 354 197	3 367 323	3 236 554						
Textiles	6 292 712	553 683	587 484	469 823	538 282	554 107	456 726						
Other textile products	10 885 186	901 514	1 022 547	864 160	930 054	944 972	894 740						
Knitted, crocheted articles	1 686 732	163 142	160 582	148 785	164 205	147 467	150 813						
Wearing apparel	12 773 112	1 069 386	1 140 071	1 052 315	1 096 827	1 072 617	1 083 264						
Leather and leather products	4 438 623	384 375	415 103	368 470	398 078	387 315	382 447						
Footwear	2 662 300	213 461	260 706	252 252	226 752	260 846	268 564						
Wood and wood products, paper, publishing and printing	76 805 213	6 133 802	6 911 415	6 340 317	6 514 249	6 776 434	6 745 819						
Sawmilling and planing of wood	4 023 371	332 807	355 564	345 944	329 391	338 545	343 884						
Products of wood	11 895 172	950 577	1 022 372	946 805	1 005 113	1 009 615	999 258						
Paper and paper products	33 221 695	2 601 526	2 994 251	2 699 020	2 875 431	2 897 725	2 979 497						
Publishing	12 112 206	908 829	1 150 534	1 125 901	959 709	1 163 820	1 194 070						
Printing, recorded media	15 552 769	1 340 063	1 388 694	1 222 647	1 344 604	1 366 729	1 229 109						
Petroleum, chemical products, rubber and plastic products	170 118 397	13 710 521	15 716 326	14 388 142	14 102 348	15 520 932	14 813 799						
Coke, petroleum products, and nuclear fuel	57 696 582	4 630 438	5 701 746	5 325 050	4 595 994	5 727 243	5 302 167						
Basic chemicals	34 963 687	2 754 856	3 041 967	2 693 796	2 993 102	3 130 019	2 941 715						
Other chemical products	46 275 887	3 857 227	4 224 997	3 775 359	3 958 277	3 991 161	3 886 519						
Rubber products	8 489 850	684 567	728 206	662 634	714 527	692 499	691 519						
Plastic products	22 692 391	1 783 433	2 019 410	1 931 303	1 840 448	1 980 011	1 991 879						
Glass and non-metallic mineral products	25 708 507	1 995 172	2 255 298	2 093 596	2 141 823	2 296 066	2 246 543						
Glass and glass products	4 537 546	334 712	361 297	363 489	368 050	406 425	399 684						
Non-metallic mineral products	21 170 961	1 660 460	1 894 001	1 730 107	1 773 774	1 889 641	1 846 859						
Basic iron and steel, non-ferrous metal products, metal products and machinery	172 109 761	14 419 596	15 095 240	14 061 089	14 945 969	14 309 782	14 606 432						
Basic iron and steel products	57 886 276	5 328 698	4 520 817	4 764 728	5 207 495	4 388 451	4 642 393						
Non-ferrous metal products	24 070 957	1 982 438	2 272 820	2 230 258	2 052 335	2 237 366	2 306 786						
Structural metal products	13 164 368	1 118 863	1 226 119	1 036 853	1 138 376	1 129 446	1 055 679						
Other fabricated metal product	28 277 891	2 223 822	2 626 444	2 324 357	2 319 715	2 540 695	2 428 083						
General purpose machinery	17 837 796	1 501 607	1 443 072	1 332 861	1 560 764	1 393 255	1 379 750						
Special purpose machinery	20 776 381	1 519 278	2 003 147	1 434 126	1 827 525	1 603 760	1 731 452						
Household appliances	10 096 092	744 890	1 002 821	937 906	839 758	1 016 809	1 062 288						
Electrical machinery	20 183 146	1 634 357	1 848 457	1 656 210	1 694 285	1 769 249	1 718 988						
Radio, television and communication apparatus and professional equipment	11 542 033	837 456	1 033 763	841 102	868 768	959 815	873 040						
Radio, television and communication apparatus	6 148 981	434 873	557 393	456 959	448 110	506 645	471 365						
Professional equipment	5 393 052	402 583	476 370	384 143	420 658	453 170	401 675						
Motor vehicles, parts and accessories and other transport equipment	137 870 382	10 338 182	13 787 438	11 023 163	11 351 612	13 005 163	12 153 464						
Motor vehicles	74 426 017	5 291 808	7 598 385	5 907 744	6 014 517	7 160 957	6 738 622						
Bodies for motor vehicles, trailers and semi-trailers	6 135 714	473 696	572 404	511 398	498 649	559 146	544 189						
Parts and accessories	48 612 826	3 879 254	4 761 148	3 964 473	4 058 152	4 594 024	4 158 052						
Other transport equipment	8 695 825	693 424	855 501	639 548	780 294	691 037	712 601						
Other manufacturing divisions	40 430 591	3 186 393	3 563 742	3 287 740	3 388 764	3 709 974	3 515 123						
Furniture	10 312 926	785 125	914 627	827 735	871 329	926 354	918 805						
Other manufacturing groups	30 117 665	2 401 268	2 649 115	2 460 005	2 517 434	2 783 621	2 596 318						
Total	847 005 008	68 029 954	77 520 045	69 629 540	71 301 503	75 207 020	73 150 088						

1/ Preliminary.

Table 6b - Sales of manufactured products according to manufacturing divisions and major groups (R'000) (concluded)

Manufacturing divisions and major groups	Value of sales						Seasonally adjusted value of sales		
	Year			Percentage change between April 2005 and April 2006			Percentage change between March and April 2006		
		2005	April 2005		1/ April 2006	March 2006		April 2006	
Food and beverages	153 498 313	12 488 914	12 782 376	+2,3	13 492 281	13 240 326	-1,9		
Meat, fish, fruit etc.	35 850 560	3 004 060	2 912 219	-3,1	3 121 884	3 045 356	-2,5		
Dairy products	12 974 474	1 052 374	1 129 653	+7,3	1 174 407	1 162 585	-1,0		
Grain mill products	24 925 750	2 087 746	2 040 084	-2,3	2 228 526	2 029 655	-8,9		
Other food products	40 542 063	3 551 756	3 577 827	+0,7	3 665 276	3 578 283	-2,4		
Beverages	39 205 466	2 792 978	3 122 593	+11,8	3 302 187	3 424 447	+3,7		
Textiles, clothing, leather and footwear	38 738 665	3 285 561	3 155 805	-3,9	3 367 323	3 236 554	-3,9		
Textiles	6 292 712	553 683	469 823	-15,1	554 107	456 726	-17,6		
Other textile products	10 885 186	901 514	864 160	-4,1	944 972	894 740	-5,3		
Knitted, crocheted articles	1 686 732	163 142	148 785	-8,8	147 467	150 813	+2,3		
Wearing apparel	12 773 112	1 069 386	1 052 315	-1,6	1 072 617	1 083 264	+1,0		
Leather and leather products	4 438 623	384 375	368 470	-4,1	387 315	382 447	-1,3		
Footwear	2 662 300	213 461	252 250	+18,2	260 846	268 564	+3,0		
Wood and wood products, paper, publishing and printing	76 805 213	6 133 802	6 340 317	+3,4	6 776 434	6 745 819	-0,5		
Sawmilling and planing of wood	4 023 371	332 807	345 944	+3,9	338 545	343 884	+1,6		
Products of wood	11 895 172	950 577	946 805	-0,4	1 009 615	999 258	-1,0		
Paper and paper products	33 221 695	2 601 526	2 699 020	+3,7	2 897 725	2 979 497	+2,8		
Publishing	12 112 206	908 829	1 125 901	+23,9	1 163 820	1 194 070	+2,6		
Printing, recorded media	15 552 769	1 340 063	1 222 647	-8,8	1 366 729	1 229 109	-10,1		
Petroleum, chemical products, rubber and plastic products	170 118 397	13 710 521	14 388 142	+4,9	15 520 932	14 813 799	-4,6		
Coke, petroleum products and nuclear fuel	57 696 582	4 630 438	5 325 050	+15,0	5 727 243	5 302 167	-7,4		
Basic chemicals	34 963 687	2 754 856	2 693 796	-2,2	3 130 019	2 941 715	-6,0		
Other chemical products	46 275 887	3 857 227	3 775 359	-2,1	3 991 161	3 886 519	-2,6		
Rubber products	8 489 850	684 567	662 634	-3,2	692 499	691 519	-0,1		
Plastic products	22 692 391	1 783 433	1 931 303	+8,3	1 980 011	1 991 879	+0,6		
Glass and non-metallic mineral products	25 708 507	1 995 172	2 093 596	+4,9	2 296 066	2 246 543	-2,2		
Glass and glass products	4 537 546	334 712	363 489	+8,6	406 425	399 684	-1,7		
Non-metallic mineral products	21 170 961	1 660 460	1 730 107	+4,2	1 889 641	1 846 859	-2,3		
Basic iron and steel, non-ferrous metal products, metal products and machinery	172 109 761	14 419 596	14 061 089	-2,5	14 309 782	14 606 432	+2,1		
Basic iron and steel products	57 886 276	5 328 698	4 764 728	-10,6	4 388 451	4 642 393	+5,8		
Non-ferrous metal products	24 070 957	1 982 438	2 230 258	+12,5	2 237 366	2 306 786	+3,1		
Structural metal products	13 164 368	1 118 863	1 036 853	-7,3	1 129 446	1 055 679	-6,5		
Other fabricated metal product	28 277 891	2 223 822	2 324 357	+4,5	2 540 695	2 428 083	-4,4		
General purpose machinery	17 837 796	1 501 607	1 332 861	-11,2	1 393 255	1 379 750	-1,0		
Special purpose machinery	20 776 381	1 519 278	1 434 126	-5,6	1 603 760	1 731 452	+8,0		
Household appliances	10 096 092	744 890	937 906	+25,9	1 016 809	1 062 288	+4,5		
Electrical machinery	20 183 146	1 634 357	1 656 210	+1,3	1 769 249	1 718 988	-2,8		
Radio, television and communication apparatus and professional equipment	11 542 033	837 456	841 102	+0,4	959 815	873 040	-9,0		
Radio, television and communication apparatus	6 148 981	434 873	456 959	+5,1	506 645	471 365	-7,0		
Professional equipment	5 393 052	402 583	384 143	-4,6	453 170	401 675	-11,4		
Motor vehicles, parts and accessories and other transport equipment	137 870 382	10 338 182	11 023 163	+6,6	13 005 163	12 153 464	-6,5		
Motor vehicles	74 426 017	5 291 808	5 907 744	+11,6	7 160 957	6 738 622	-5,9		
Bodies for motor vehicles, trailers and semi-trailers	6 135 714	473 696	511 398	+8,0	559 146	544 189	-2,7		
Parts and accessories	48 612 826	3 879 254	3 964 473	+2,2	4 594 024	4 158 052	-9,5		
Other transport equipment	8 695 825	693 424	639 548	-7,8	691 037	712 601	+3,1		
Other manufacturing divisions	40 430 591	3 186 393	3 287 740	+3,2	3 709 974	3 515 123	-5,3		
Furniture	10 312 926	785 125	827 735	+5,4	926 354	918 805	-0,8		
Other manufacturing groups	30 117 665	2 401 268	2 460 005	+2,4	2 783 621	2 596 318	-6,7		
Total	847 005 008	68 029 954	69 629 540	+2,4	75 207 020	73 150 088	-2,7		

1/ Preliminary.

Table 7 - Percentage change between the current quarter and the corresponding quarter of the previous year in the physical volume of manufacturing production and sales according to manufacturing divisions and major groups

Manufacturing divisions and major groups	Weights	Indices (base 2000=100)			Value of sales (R'000)		
		February to April 2005	February to April 2006	Annual percentage change between February to April 2005 and February to April 2006	February to April 2005	February to April 2006	Annual percentage change between February to April 2005 and February to April 2006
Food and beverages	16,4	113,2	114,3	+1,0	36 950 963	38 737 620	+4,8
Meat, fish, fruit etc.	2,6	132,6	123,3	-7,0	8 614 529	8 899 928	+3,3
Dairy products	1,1	98,8	106,4	+7,7	3 140 925	3 432 493	+9,3
Grain mill products	1,5	116,9	119,1	+1,9	6 082 244	6 151 043	+1,1
Other food products	6,8	93,8	96,6	+3,0	9 742 450	10 208 962	+4,8
Beverages	4,3	134,5	137,2	+2,0	9 370 815	10 045 194	+7,2
Textiles, clothing, leather and footwear	5,4	102,8	99,8	-2,9	9 905 425	9 974 463	+0,7
Textiles	1,2	88,2	82,8	-6,1	1 666 865	1 580 865	-5,2
Other textile products	1,2	124,8	116,7	-6,5	2 773 428	2 788 743	+0,6
Knitted, crocheted articles	0,3	85,4	83,2	-2,6	460 059	456 543	-0,8
Wearing apparel	2,0	106,7	104,7	-1,9	3 233 438	3 246 176	+0,4
Leather and leather products	0,3	110,4	103,6	-6,2	1 158 749	1 168 558	+0,8
Footwear	0,4	74,4	89,2	+19,9	612 886	733 578	+19,7
Wood and wood products, paper, publishing and printing	11,0	105,0	111,6	+6,3	18 178 910	19 525 964	+7,4
Sawmilling and planing of wood	0,7	116,6	121,7	+4,4	979 768	1 036 873	+5,8
Products of wood	1,0	121,9	121,6	-0,2	2 766 822	2 955 009	+6,8
Paper and paper products	4,8	97,9	106,5	+8,8	7 660 352	8 336 111	+8,8
Publishing	2,4	98,4	117,1	+19,0	2 808 209	3 397 311	+21,0
Printing, recorded media	2,1	116,8	109,0	-6,7	3 963 759	3 800 660	-4,1
Petroleum, chemical products, rubber and plastic products	22,5	110,3	111,8	+1,4	39 583 861	43 772 322	+10,6
Coke, petroleum products and nuclear fuel	9,1	102,6	100,1	-2,4	13 108 810	15 675 820	+19,6
Basic chemicals	4,0	104,1	110,5	+6,1	7 774 212	8 511 220	+9,5
Other chemical products	5,4	122,1	123,9	+1,5	11 150 430	11 690 786	+4,8
Rubber products	1,1	102,2	90,4	-11,5	2 241 101	2 066 215	-7,8
Plastic products	3,0	124,0	135,9	+9,6	5 309 308	5 828 281	+9,8
Glass and non-metallic mineral products	3,9	113,0	118,2	+4,6	5 816 509	6 384 833	+9,8
Glass and glass products	1,1	126,1	133,7	+6,0	989 538	1 083 185	+9,5
Non-metallic mineral products	2,9	108,1	112,4	+4,0	4 826 971	5 301 648	+9,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	112,5	114,0	+1,3	43 466 526	42 715 078	-1,7
Basic iron and steel products	5,5	109,7	104,6	-4,6	15 671 350	13 666 300	-12,8
Non-ferrous metal products	4,7	104,6	119,4	+14,1	5 847 090	6 392 666	+9,3
Structural metal products	1,3	114,9	116,8	+1,7	3 163 432	3 297 625	+4,2
Other fabricated metal products	4,2	109,3	114,5	+4,8	6 749 942	7 315 953	+8,4
General purpose machinery	2,4	117,2	103,6	-11,6	4 488 704	4 079 979	-9,1
Special purpose machinery	3,2	129,0	122,0	-5,4	5 243 708	5 136 342	-2,0
Household appliances	1,2	110,5	134,3	+21,5	2 302 300	2 826 213	+22,8
Electrical machinery	2,7	97,7	95,3	-2,5	4 892 050	5 205 142	+6,4
Radio, television and communication apparatus and professional equipment	1,3	106,4	108,2	+1,7	2 701 395	2 831 148	+4,8
Radio, television and communication apparatus	0,7	85,2	90,8	+6,6	1 446 364	1 526 340	+5,5
Professional equipment	0,6	127,9	125,9	-1,6	1 255 031	1 304 808	+4,0
Motor vehicles, parts and accessories and other transport equipment	8,6	120,8	139,7	+15,6	31 371 249	37 372 475	+19,1
Motor vehicles	4,1	113,6	139,1	+22,4	16 306 686	20 208 370	+23,9
Bodies for motor vehicles, trailers and semi-trailers	0,4	147,3	172,5	+17,1	1 351 741	1 611 252	+19,2
Parts and accessories	3,1	134,0	152,1	+13,5	11 389 637	13 348 563	+17,2
Other transport equipment	1,0	99,5	90,9	-8,6	2 323 185	2 204 290	-5,1
Other manufacturing divisions	5,8	97,5	104,1	+6,8	9 364 589	10 510 391	+12,2
Furniture	1,6	122,6	129,3	+5,5	2 360 325	2 559 715	+8,4
Other manufacturing groups	4,2	88,0	94,6	+7,5	7 004 264	7 950 676	+13,5
Total	100,0	110,1	113,7	+3,3	202 231 477	217 029 436	+7,3

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 new business register, with significantly 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 2000. Both estimated and seasonally adjusted figures are presented. |
| | 3 | As is usual, information for the latest month has 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 developed a new business register, based on units registered for value-added tax (VAT) and income tax (IT), obtained from the South African Revenue Service (SARS), which replaced the previous business register. |
| Scope of the survey | 5 | This survey covers manufacturing enterprises, i.e. those conducting activities in - <ul style="list-style-type: none"> • the manufacturing, processing, making or packing of products; • the slaughtering of animals, including poultry; and • installation, assembly, completion, repair and related work. |
| Classification | 6 | The 1993 edition of the <i>Standard Industrial Classification of all Economic Activities (SIC)</i> , Fifth Edition, Report No. 09-90-02, was used to classify the statistical units in the survey. The SIC is based on the 1990 <i>International Standard Industrial Classification of all Economic Activities (ISIC)</i> with suitable adaptations for local conditions. Statistics in this publication are presented at SIC division (two digit) and major group (three digit) level. Each enterprise is classified to an industry which reflects its predominant activity. |
| Statistical unit | 7 | 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. |
| Weighting methodology | 8 | 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 division estimates. These procedures, which are in line with international best practice, are described in more detail on the Stats SA website at www.statssa.gov.za/publications/publicationsearch.asp . |
| | 9 | 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 1996 to 2000, the weights are based on the 1996 Census of Manufacturing and for the period 2001 to 2006, the weights are based on the 2001 large sample survey of the manufacturing industry. Weights between census 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 E for the fixed weights which were used for the two periods 1996 to 2000 and 2001 to 2006). |

- Survey methodology and design**
- 10** The survey is conducted monthly. Questionnaires are sent to a sample of approximately 3 000 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.
- 11** The value of sales of manufactured products is obtained monthly from the sample of approximately 3 000 enterprises, which was drawn in August 2005 from a population then of 45 130 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 division to reflect the total value of sales of the division.
- 12** 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.
- 13** 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).
- Seasonal adjustment**
- 14** Seasonally adjusted estimates of all major groups are generated each month, using the X-11 Seasonal Adjustment Programme 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**
- 15** 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**
- 16** 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.
- 17** 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**
- 18** Revised figures are due to late submission of data to Stats SA, or to 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** **19** Users may also wish to refer to the following publications available from Stats SA -
- *Bulletin of Statistics* issued quarterly.
 - *SA Statistics* issued annually.

Rounding of figures **20** The figures in the tables have, where necessary, been rounded to the nearest digit shown.

Pre-release policy **21** Stats SA's pre-release policy may be inspected at its website, www.statssa.gov.za.

- Symbols and abbreviations** **22**
- GDP Gross Domestic Product
 - ISIC International Standard Industrial Classification
 - m Million
 - SIC Standard Industrial Classification of all Economic Activities
 - SARS South African Revenue Service
 - Stats SA Statistics South Africa
 - VAT Value-added tax
 - 1/ Preliminary figures
 - Revised figures

Technical notes 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.

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

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

Class limits: Manufacturing

Enterprise size	Lower limits	Upper limits
Very small	0	5 000 000
Small	5 000 001	13 000 000
Medium	13 000 001	51 000 000
Large	51 000 001	

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 2000. 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>Standard Industrial Classification of all Economic Activities, Fifth Edition, Report No. 09-90-02 of January 1993 (SIC)</i> .
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.
Statistical unit	A statistical unit is a unit about which statistics are tabulated, compiled or published. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.

For the purpose of this publication, the statistical unit in the monthly manufacturing: production and sales survey is the enterprise.

Turnover

Turnover refers to -

- 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 ratios 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 E – Weights according to manufacturing major groups

Manufacturing divisions and major groups	Weights according to the 2001 large sample survey of the manufacturing industry 2001 - 2006	Weights according to the 1996 census of manufacturing 1996 - 2000
Food and beverages	16,4	15,3
Meat, fish, fruit etc.	2,6	2,8
Dairy products	1,1	1,4
Grain mill products	1,5	2,1
Other food products	6,8	4,4
Beverages	4,3	4,6
Textiles, clothing, leather and footwear	5,4	7,8
Textiles	1,2	1,7
Other textile products	1,2	1,2
Knitted, crocheted articles	0,3	0,6
Wearing apparel	2,0	3,0
Tanning, dressing of leather	0,3	0,4
Footwear	0,4	0,9
Wood and wood products, paper, publishing and printing	11,0	11,4
Sawmilling and planing of wood	0,7	0,8
Products of wood	1,0	1,2
Paper and paper products	4,8	5,3
Publishing	2,4	1,5
Printing, recorded media	2,1	2,6
Petroleum, chemical products, rubber and plastic products	22,5	19,3
Petroleum products	9,1	4,2
Basic chemicals	4,0	4,5
Other chemical products	5,4	6,2
Rubber products	1,1	1,4
Plastic products	3,0	3,1
Glass and non-metallic mineral products	3,9	4,5
Glass and glass products	1,1	1,0
Non-metallic mineral products	2,9	3,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	23,6
Basic iron and steel products	5,5	7,6
Non-ferrous metal products	4,7	3,2
Structural metal products	1,3	2,4
Other fabricated metal products	4,2	4,6
General purpose machinery	2,4	2,5
Special purpose machinery	3,2	2,9
Household appliances	1,2	0,4
Electrical machinery	2,7	3,4
Radio, television and communication apparatus and professional equipment	1,3	1,5
Radio, television and communication apparatus	0,7	1,0
Professional equipment	0,6	0,5
Motor vehicles, parts and accessories and other transport equipment	8,6	9,1
Motor vehicles	4,1	4,5
Bodies for motor vehicles, trailers and semi -trailers	0,4	0,5
Parts and accessories	3,1	3,0
Other transport equipment	1,0	1,0
Other manufacturing divisions	5,8	4,1
Furniture	1,6	1,6
Other manufacturing groups	4,2	2,6
Total	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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