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Statistical release

P3041.2

Manufacturing: Production and sales (Preliminary)

May 2009

**Embargoed until:
9 July 2009
13:00**

Enquiries:

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

Forthcoming issue:

June 2009

Expected release date

11 August 2009

Statistics South Africa • Mbalom-balo ya Afrika Tshipembe • Tshilayo-tiko ta Afrika-Dzonga • Dipalopalo tsa Aforika Borwa • Ezezibalo zaseNingizimu Afrika
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SUMMARY OF FINDINGS: MANUFACTURING PRODUCTION AND SALES

Table A – Selected key figures regarding manufacturing production and sales for May 2009

Estimates	May 2009	% change between May 2008 and May 2009	% change between March to May 2008 and March to May 2009	% change between January to May 2008 and January to May 2009
Physical volume of manufacturing production index (2005=100)	94,7	-17,1	-16,9	-15,8
Total value of sales of manufactured products (R million)	92 886	-18,9	-16,3	-13,1

Seasonally adjusted estimates	May 2009	% change between April and May 2009	% change between December 2008 to February 2009 and March to May 2009
Physical volume of manufacturing production index (2005=100)	94,1	1,0	-3,0
Total value of sales of manufactured products (R million)	92 610	0,3	-4,9

Manufacturing production decreases

The seasonally adjusted manufacturing production for the three months ended May 2009 decreased by 3,0% compared with the previous three months, an improvement from the 4,4% quarter-on-quarter decrease in April 2009. Lower production levels were reported by eight of the ten manufacturing divisions during the latest three months.

The decrease was driven mainly by lower production in petroleum, chemical products, rubber and plastic products (contributing -0,9 of a percentage point), wood and wood products, paper, publishing and printing (contributing -0,7 of a percentage point), textiles, clothing, leather and footwear and furniture and 'other' manufacturing (each contributing -0,4 of a percentage point) (see Table B).

The estimated manufacturing production for May 2009 decreased by 17,1% compared with May 2008.

The 17,1% decrease in manufacturing production in May 2009 compared with May 2008 was mainly due to lower production in the basic iron and steel, non-ferrous metal products, metal products and machinery division (-24,9% and contributing -5,5 percentage points), followed by motor vehicles, parts and accessories and other transport equipment (-32,2% and contributing -3,6 percentage points) and the petroleum, chemical products, rubber and plastic products division (-14,6% and contributing -3,5 percentage points) (see Table 4b).

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

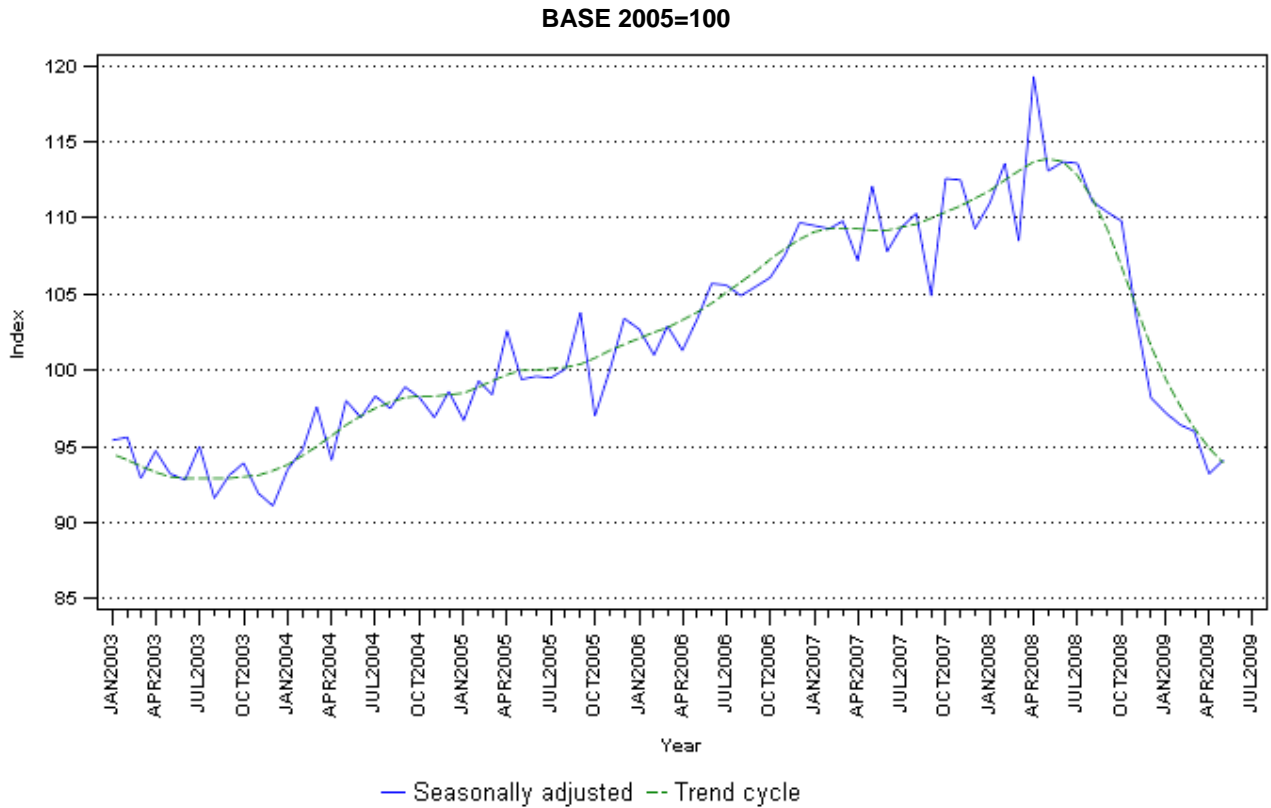
(Base 2005=100)

Manufacturing divisions and major groups	Percentage contribution to total manufacturing production using the weights according to large sample survey of the manufacturing industry, 2005	Average seasonally adjusted production index for December 2008 to February 2009	Average seasonally adjusted production index for March to May 2009	Quarterly percentage change of March to May 2009 compared with the preceding three months	Contribution (percentage points) to the seasonally adjusted quarterly percentage change in total manufacturing production 1/
Food and beverages	15,4	108,3	108,4	0,1	0,0
-Food and food products	8,6	106,6	106,6	0,0	0,0
-Beverages	6,8	110,5	110,6	0,1	0,0
Textiles, clothing, leather and footwear	4,9	98,0	91,0	-7,1	-0,4
-Textiles	1,6	88,5	77,9	-12,0	-0,2
-Wearing apparel	2,3	109,3	100,2	-8,3	-0,2
-Leather and leather products	0,6	78,4	74,4	-5,1	0,0
-Footwear	0,4	108,5	106,5	-1,8	0,0
Wood and wood products, paper, publishing and printing	10,2	101,0	94,5	-6,4	-0,7
-Wood and products of wood	2,0	93,9	83,6	-11,0	-0,2
-Paper and paper products	3,8	114,6	105,9	-7,6	-0,3
-Publishing and printing	4,3	92,2	89,3	-3,1	-0,1
Petroleum, chemical products, rubber and plastic products	22,1	108,1	104,1	-3,7	-0,9
-Coke, petroleum products and nuclear fuel	8,5	90,6	94,4	4,2	0,3
-Basic chemicals	4,5	119,2	104,4	-12,4	-0,7
-Other chemical products	5,3	117,2	106,0	-9,6	-0,6
-Rubber products	1,0	79,8	76,1	-4,6	0,0
-Plastic products	2,7	136,7	140,3	2,6	0,1
Glass and non-metallic mineral products	4,8	102,2	95,3	-6,8	-0,3
-Glass and glass products	1,0	124,2	119,5	-3,8	0,0
-Non-metallic mineral products	3,8	96,7	89,3	-7,7	-0,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	83,5	82,8	-0,8	-0,2
-Basic iron and steel products	7,7	49,5	60,7	22,6	0,9
-Basic precious, non-ferrous metal products	3,4	97,2	94,0	-3,3	-0,1
-Fabricated metal products	5,7	111,4	107,3	-3,7	-0,2
-Machinery and equipment	6,1	92,3	81,0	-12,2	-0,7
Electrical machinery	2,5	125,7	123,9	-1,4	0,0
Radio, television and communication apparatus and professional equipment	1,1	95,6	99,7	4,3	0,0
-Radio, television and communication apparatus	0,4	112,5	103,5	-8,0	0,0
-Professional equipment	0,7	84,9	97,3	14,6	0,1
Motor vehicles, parts and accessories and other transport equipment	10,9	73,3	72,9	-0,5	0,0
-Motor vehicles, trailers, parts and accessories	10,0	68,5	68,2	-0,4	0,0
-Other transport equipment	0,9	122,9	121,9	-0,8	0,0
Furniture and other manufacturing division	5,2	103,6	96,2	-7,1	-0,4
-Furniture	1,3	98,2	90,4	-7,9	-0,1
-Other manufacturing groups	3,9	105,3	98,0	-6,9	-0,3
Total	100,0	97,3	94,4	-3,0	-3,0

1/ The contribution (percentage points) of a major group or division is calculated by multiplying the change 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 shows the seasonally adjusted and trend series for the volume index of manufacturing production between January 2003 and May 2009.

Figure 1 – Index of the physical volume of manufacturing production



Seasonally adjusted sales of manufactured products decrease

The estimated total value of sales of manufactured products at current prices for the three months ended May 2009 decreased by 4,9% (-R14 536 million), after seasonal adjustment, compared with the previous three months. Lower manufacturing sales were reported by nine of the ten manufacturing divisions during this period (see Table C).

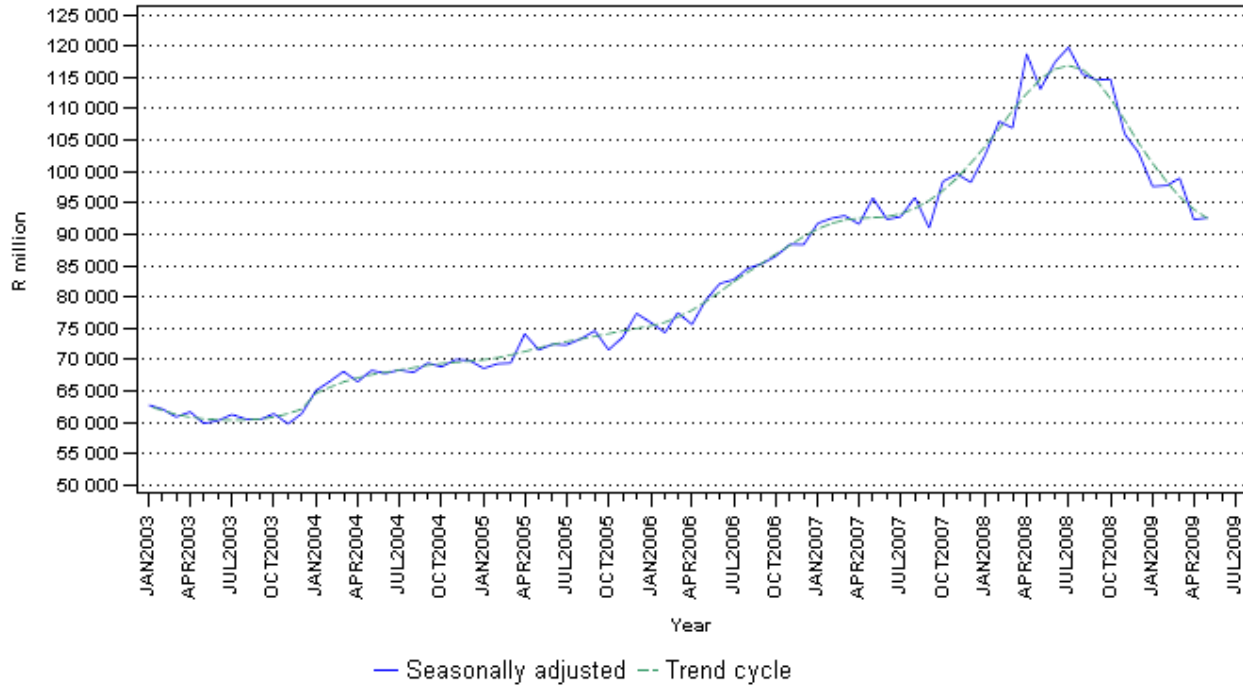
Large decreases were mainly reported for the motor vehicles, parts and accessories and other transport equipment division (-12,2% or -R4 770 million), the petroleum, chemical products, rubber and plastic products division (-7,1% or -R4 945 million) and the basic iron and steel, non-ferrous metal products, metal products and machinery division (-6,0% or -R3 420 million) during this period (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 December 2008 to February 2009	Seasonally adjusted sales March to May 2009	Percentage change between December 2008 to February 2009 and March to May 2009	Difference in seasonally adjusted sales of manufacturing divisions between December 2008 to February 2009 and March to May 2009
	R '000	R '000		R '000
Food and beverages	60 022 421	60 003 138	0,0	-19 283
-Food and food products	45 745 794	45 439 096	-0,7	-306 698
-Beverages	14 276 627	14 564 041	2,0	287 414
Textiles, clothing, leather and footwear	9 925 598	9 341 293	-5,9	-584 305
-Textiles	3 908 686	3 570 820	-8,6	-337 866
-Wearing apparel	4 247 610	3 985 588	-6,2	-262 022
-Leather and leather products	885 931	904 867	2,1	18 936
-Footwear	883 370	880 019	-0,4	-3 351
Wood and wood products, paper, publishing and printing	27 264 010	26 098 539	-4,3	-1 165 471
-Wood and products of wood	6 413 676	5 809 295	-9,4	-604 381
-Paper and paper products	12 081 193	11 550 961	-4,4	-530 232
-Publishing and printing	8 769 140	8 738 282	-0,4	-30 858
Petroleum, chemicals products, rubber and plastic products	69 494 143	64 548 746	-7,1	-4 945 397
-Coke, petroleum products and nuclear fuel	22 430 201	21 267 575	-5,2	-1 162 626
-Basic chemicals	16 319 827	13 578 779	-16,8	-2 741 048
-Other chemical products	16 575 731	15 546 991	-6,2	-1 028 740
-Rubber products	2 896 474	2 753 227	-4,9	-143 247
-Plastic products	11 271 908	11 402 174	1,2	130 266
Glass and non-metallic mineral products	9 024 559	8 552 675	-5,2	-471 884
-Glass and glass products	1 745 340	1 617 968	-7,3	-127 372
-Non-metallic mineral products	7 279 218	6 934 706	-4,7	-344 512
Basic iron and steel, non-ferrous metal products, metal products and machinery	57 085 794	53 666 131	-6,0	-3 419 663
-Basic iron and steel products	17 444 582	17 616 077	1,0	171 495
-Basic precious, non-ferrous metal products	8 884 558	7 727 710	-13,0	-1 156 848
-Fabricated metal products	16 417 973	15 516 258	-5,5	-901 715
-Machinery and equipment	14 338 681	12 806 086	-10,7	-1 532 595
Electrical machinery	9 545 911	9 372 853	-1,8	-173 058
Radio, television and communication apparatus and professional equipment	3 364 666	3 308 541	-1,7	-56 125
-Radio, television and communication apparatus	1 516 684	1 410 628	-7,0	-106 056
-Professional equipment	1 847 981	1 897 913	2,7	49 932
Motor vehicles, parts and accessories and other transport equipment	39 005 773	34 236 185	-12,2	-4 769 588
-Motor vehicles, trailers, parts and accessories	34 955 603	30 258 241	-13,4	-4 697 362
-Other transport equipment	4 050 170	3 977 942	-1,8	-72 228
Furniture and other manufacturing division	13 687 931	14 756 495	7,8	1 068 564
-Furniture	3 348 910	3 067 943	-8,4	-280 967
-Other manufacturing groups	10 339 020	11 688 552	13,1	1 349 532
Total	298 420 804	283 884 597	-4,9	-14 536 207

Figure 2 shows the seasonally adjusted and trend series for sales of manufactured products between January 2003 and May 2009.

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



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Detailed results: Tables

Table 1 – Index of the physical volume of manufacturing production: Total

Base 2005 = 100

Month	2003	2004	2005	2006	2007	2008	2009
Jan	84,2	82,6	85,2	89,8	95,2	96,2	83,9
Feb	92,6	91,5	95,5	96,8	104,6	108,5	92,0
Mar	96,0	100,8	101,8	106,3	113,4	112,0	1/ 98,9
Apr	88,8	88,9	96,2	95,4	100,6	111,8	1/ 87,4
May	93,8	98,7	100,3	104,2	113,2	114,3	1/ 94,7
Jun	93,4	97,6	100,1	106,6	108,9	115,1	
Jul	96,5	100,0	100,9	107,4	111,1	115,3	
Aug	93,9	100,3	103,3	108,7	114,4	115,0	
Sep	96,1	102,3	107,5	109,6	108,8	114,5	
Oct	103,3	108,2	106,9	117,0	124,2	121,4	
Nov	101,6	107,5	110,7	119,0	124,3	114,7	
Dec	80,7	87,0	91,4	96,9	96,6	88,2	
Year	93,4	97,1	100,0	104,8	109,6	110,6	

1/ Preliminary.

Table 2 – Annual percentage change in the index of the physical volume of manufacturing production: Total

Month	2003	2004	2005	2006	2007	2008	2009
Jan	-	-1,9	3,1	5,4	6,0	1,1	-12,8
Feb	-	-1,2	4,4	1,4	8,1	3,7	-15,2
Mar	-	5,0	1,0	4,4	6,7	-1,2	-11,7
Apr	-	0,1	8,2	-0,8	5,5	11,1	-21,8
May	-	5,2	1,6	3,9	8,6	1,0	-17,1
Jun	-	4,5	2,6	6,5	2,2	5,7	
Jul	-	3,6	0,9	6,4	3,4	3,8	
Aug	-	6,8	3,0	5,2	5,2	0,5	
Sep	-	6,5	5,1	2,0	-0,7	5,2	
Oct	-	4,7	-1,2	9,4	6,2	-2,3	
Nov	-	5,8	3,0	7,5	4,5	-7,7	
Dec	-	7,8	5,1	6,0	-0,3	-8,7	
Year	-	4,0	3,0	4,8	4,6	0,9	

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 3 – Seasonally adjusted index of the physical volume of manufacturing production: Total

Month	2003	2004	2005	2006	2007	2008	2009
Jan	95,4	93,5	96,7	102,7	109,5	111,0	97,2
Feb	95,6	94,8	99,3	101,0	109,3	113,6	96,4
Mar	92,9	97,6	98,4	102,9	109,8	108,5	96,0
Apr	94,7	94,1	102,6	101,3	107,2	119,3	93,2
May	93,2	98,0	99,4	103,3	112,1	113,1	94,1
Jun	92,8	96,9	99,6	105,7	107,8	113,7	
Jul	95,0	98,3	99,5	105,6	109,4	113,6	
Aug	91,6	97,5	100,1	104,9	110,3	111,1	
Sep	93,1	98,9	103,8	105,5	104,9	110,4	
Oct	93,9	98,2	97,0	106,1	112,6	109,8	
Nov	91,9	96,9	100,0	107,6	112,5	103,4	
Dec	91,1	98,6	103,4	109,7	109,3	98,2	

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	Year 2008	Indices			Seasonally adjusted indices		
			May 2008	1/ April 2009	1/ May 2009	May 2008	April 2009	May 2009
Food and beverages	15,4	109,6	107,9	99,6	106,5	110,7	106,2	109,0
-Meat, fish, fruit, etc.	1,8	108,7	114,6	104,0	107,5	109,4	105,2	102,3
-Dairy products	0,8	110,9	104,0	104,1	101,9	112,4	109,9	110,0
-Grain mill products	0,8	108,6	110,0	101,3	107,0	106,1	103,0	103,2
-Other food products	5,2	105,3	114,4	96,1	115,2	110,4	102,1	110,6
-Beverages	6,8	113,1	101,3	100,4	100,2	111,5	109,5	110,1
Textiles, clothing, leather and footwear	4,9	104,8	110,4	83,3	92,6	108,2	89,4	90,6
-Textiles	0,7	90,5	101,7	71,0	85,0	93,8	79,2	78,4
-Other textile products	0,9	99,6	106,9	68,4	77,1	106,8	69,5	77,0
-Knitted, crocheted articles	0,2	112,1	130,8	116,4	129,7	114,6	116,0	113,7
-Wearing apparel	2,1	110,5	112,9	91,2	100,2	113,6	91,8	100,7
-Leather and leather products	0,6	101,3	110,3	76,3	77,5	107,0	76,8	75,3
-Footwear	0,4	111,6	112,0	93,7	108,3	112,0	104,0	108,0
Wood and wood products, paper, publishing and printing	10,2	108,3	110,1	85,2	93,5	109,8	92,2	93,5
-Sawmilling and planing of wood	0,7	95,7	109,4	63,5	72,1	105,1	69,6	68,8
-Products of wood	1,3	103,5	106,3	87,1	88,7	105,5	91,7	88,3
-Paper and paper products	3,8	121,8	125,3	96,7	104,7	123,6	103,0	103,0
-Publishing	1,9	105,9	103,9	84,1	91,4	107,8	93,7	95,3
-Printing, recorded media	2,5	95,5	93,5	73,4	86,4	93,5	81,1	87,0
Petroleum, chemical products, rubber and plastic products	22,1	117,9	122,9	101,0	105,0	121,5	104,2	103,6
-Coke, petroleum products and nuclear fuel	8,5	95,8	101,3	97,8	102,2	99,4	97,1	100,1
-Basic chemicals	4,5	152,5	162,9	99,4	93,7	163,1	105,6	93,6
-Other chemical products	5,3	119,2	119,8	96,5	104,1	119,1	101,6	103,9
-Rubber products	1,0	91,0	103,5	70,8	79,5	96,2	75,7	74,0
-Plastic products	2,7	137,3	137,2	133,1	143,4	135,1	139,6	141,3
Glass and non-metallic mineral products	4,8	110,4	115,3	92,0	93,0	113,5	94,2	91,8
-Glass and glass products	1,0	123,1	114,0	103,7	111,4	119,6	112,3	116,8
-Non-metallic mineral products	3,8	107,2	115,6	89,1	88,4	111,9	89,7	85,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	105,6	110,9	78,8	83,3	108,8	83,3	81,9
-Basic iron and steel products	7,7	94,8	107,8	61,3	68,8	100,4	61,4	63,9
-Non-ferrous metal products	3,4	102,8	107,7	89,3	98,8	104,5	92,3	95,7
-Structural metal products	2,0	124,2	144,3	98,5	108,4	134,6	107,0	101,2
-Other fabricated metal products	3,8	125,8	128,2	106,3	103,4	128,9	112,8	104,1
-General purpose machinery	2,4	93,4	93,6	67,8	69,2	94,4	71,1	70,0
-Special purpose machinery	3,1	108,8	94,7	71,4	69,8	105,7	83,4	78,3
-Household appliances	0,6	104,4	103,8	87,7	95,2	102,5	95,2	94,1
Electrical machinery	2,5	124,9	120,6	120,4	114,9	122,4	127,7	117,6
Radio, television and communication apparatus and professional equipment	1,1	106,0	104,2	84,7	100,1	105,8	94,6	101,2
-Radio, television and communication apparatus	0,4	117,6	103,0	92,0	98,4	112,3	103,8	106,7
-Professional equipment	0,7	98,6	104,9	80,0	101,2	101,7	88,7	97,8
Motor vehicles, parts and accessories and other transport equipment	10,9	105,8	116,6	62,4	79,0	109,4	68,0	74,5
-Motor vehicles	4,9	99,7	111,3	46,4	71,1	106,6	54,9	67,9
-Bodies for motor vehicles, trailers and semi-trailers	0,5	151,1	161,5	97,2	96,8	157,8	99,4	94,0
-Parts and accessories	4,7	105,4	121,1	66,6	76,3	109,5	68,5	69,3
-Other transport equipment	0,9	116,9	100,2	107,0	124,4	100,1	117,5	124,6
Furniture and other manufacturing division	5,2	118,2	117,0	72,4	95,0	118,8	93,0	98,2
-Furniture	1,3	106,3	105,2	83,0	88,7	106,4	91,4	89,8
-Other manufacturing groups	3,9	122,2	120,9	68,9	97,1	122,9	93,5	100,9
Total	100,0	110,6	114,3	87,4	94,7	113,1	93,2	94,1

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	Year 2008	Indices			Seasonally adjusted indices		
			May 2008	1/ May 2009	Percentage change between May 2008 and May 2009	April 2009	May 2009	Percentage change between April and May 2009
Food and beverages	15,4	109,6	107,9	106,5	-1,3	106,2	109,0	2,6
-Meat, fish, fruit, etc.	1,8	108,7	114,6	107,5	-6,2	105,2	102,3	-2,8
-Dairy products	0,8	110,9	104,0	101,9	-2,0	109,9	110,0	0,1
-Grain mill products	0,8	108,6	110,0	107,0	-2,7	103,0	103,2	0,2
-Other food products	5,2	105,3	114,4	115,2	0,7	102,1	110,6	8,3
-Beverages	6,8	113,1	101,3	100,2	-1,1	109,5	110,1	0,5
Textiles, clothing, leather and footwear	4,9	104,8	110,4	92,6	-16,1	89,4	90,6	1,3
-Textiles	0,7	90,5	101,7	85,0	-16,4	79,2	78,4	-1,0
-Other textile products	0,9	99,6	106,9	77,1	-27,9	69,5	77,0	10,8
-Knitted, crocheted articles	0,2	112,1	130,8	129,7	-0,8	116,0	113,7	-2,0
-Wearing apparel	2,1	110,5	112,9	100,2	-11,2	91,8	100,7	9,7
-Leather and leather products	0,6	101,3	110,3	77,5	-29,7	76,8	75,3	-2,0
-Footwear	0,4	111,6	112,0	108,3	-3,3	104,0	108,0	3,8
Wood and wood products, paper, publishing and printing	10,2	108,3	110,1	93,5	-15,1	92,2	93,5	1,4
-Sawmilling and planing of wood	0,7	95,7	109,4	72,1	-34,1	69,6	68,8	-1,1
-Products of wood	1,3	103,5	106,3	88,7	-16,6	91,7	88,3	-3,7
-Paper and paper products	3,8	121,8	125,3	104,7	-16,4	103,0	103,0	0,0
-Publishing	1,9	105,9	103,9	91,4	-12,0	93,7	95,3	1,7
-Printing, recorded media	2,5	95,5	93,5	86,4	-7,6	81,1	87,0	7,3
Petroleum, chemical products, rubber and plastic products	22,1	117,9	122,9	105,0	-14,6	104,2	103,6	-0,6
-Coke, petroleum products and nuclear fuel	8,5	95,8	101,3	102,2	0,9	97,1	100,1	3,1
-Basic chemicals	4,5	152,5	162,9	93,7	-42,5	105,6	93,6	-11,4
-Other chemical products	5,3	119,2	119,8	104,1	-13,1	101,6	103,9	2,3
-Rubber products	1,0	91,0	103,5	79,5	-23,2	75,7	74,0	-2,2
-Plastic products	2,7	137,3	137,2	143,4	4,5	139,6	141,3	1,2
Glass and non-metallic mineral products	4,8	110,4	115,3	93,0	-19,3	94,2	91,8	-2,5
-Glass and glass products	1,0	123,1	114,0	111,4	-2,3	112,3	116,8	4,0
-Non-metallic mineral products	3,8	107,2	115,6	88,4	-23,5	89,7	85,5	-4,7
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	105,6	110,9	83,3	-24,9	83,3	81,9	-1,7
-Basic iron and steel products	7,7	94,8	107,8	68,8	-36,2	61,4	63,9	4,1
-Non-ferrous metal products	3,4	102,8	107,7	98,8	-8,3	92,3	95,7	3,7
-Structural metal products	2,0	124,2	144,3	108,4	-24,9	107,0	101,2	-5,4
-Other fabricated metal products	3,8	125,8	128,2	103,4	-19,3	112,8	104,1	-7,7
-General purpose machinery	2,4	93,4	93,6	69,2	-26,1	71,1	70,0	-1,5
-Special purpose machinery	3,1	108,8	94,7	69,8	-26,3	83,4	78,3	-6,1
-Household appliances	0,6	104,4	103,8	95,2	-8,3	95,2	94,1	-1,2
Electrical machinery	2,5	124,9	120,6	114,9	-4,7	127,7	117,6	-7,9
Radio, television and communication apparatus and professional equipment	1,1	106,0	104,2	100,1	-3,9	94,6	101,2	7,0
-Radio, television and communication apparatus	0,4	117,6	103,0	98,4	-4,5	103,8	106,7	2,8
-Professional equipment	0,7	98,6	104,9	101,2	-3,5	88,7	97,8	10,3
Motor vehicles, parts and accessories and other transport equipment	10,9	105,8	116,6	79,0	-32,2	68,0	74,5	9,6
-Motor vehicles	4,9	99,7	111,3	71,1	-36,1	54,9	67,9	23,7
-Bodies for motor vehicles, trailers and semi-trailers	0,5	151,1	161,5	96,8	-40,1	99,4	94,0	-5,4
-Parts and accessories	4,7	105,4	121,1	76,3	-37,0	68,5	69,3	1,2
-Other transport equipment	0,9	116,9	100,2	124,4	24,2	117,5	124,6	6,0
Furniture and other manufacturing division	5,2	118,2	117,0	95,0	-18,8	93,0	98,2	5,6
-Furniture	1,3	106,3	105,2	88,7	-15,7	91,4	89,8	-1,8
-Other manufacturing groups	3,9	122,2	120,9	97,1	-19,7	93,5	100,9	7,9
Total	100,0	110,6	114,3	94,7	-17,1	93,2	94,1	1,0

1/ Preliminary.

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

Month	2003	2004	2005	2006	2007	2008	2009
Jan	54 362 254	55 071 330	57 996 123	64 189 094	77 735 488	87 264 599	82 618 666
Feb	61 989 347	64 229 244	66 760 165	71 388 922	88 795 001	103 240 425	93 612 439
Mar	64 510 085	69 915 271	71 125 524	79 202 703	95 108 539	108 981 724	1/ 100 736 708
Apr	60 355 639	62 938 714	69 852 309	70 995 969	85 951 025	111 471 587	1/ 86 588 268
May	62 025 293	68 680 038	71 871 060	79 802 545	96 506 978	114 469 290	1/ 92 885 936
Jun	62 591 404	68 432 062	73 140 542	83 059 482	93 559 142	118 895 452	
Jul	63 121 052	68 962 693	73 306 407	84 166 082	94 457 875	122 517 062	
Aug	63 133 885	69 723 627	75 677 432	87 784 628	99 753 483	120 621 090	
Sep	64 724 012	72 859 146	78 504 917	89 792 711	95 566 455	120 173 361	
Oct	69 446 223	75 511 320	78 553 072	94 992 441	108 206 596	126 147 134	
Nov	68 158 470	77 784 326	82 083 555	98 270 280	110 644 228	117 691 220	
Dec	57 772 435	63 593 769	69 817 622	78 806 146	87 539 378	92 487 832	
Year	752 190 099	817 701 540	868 688 728	982 451 003	1 133 824 188	1 343 960 776	

1/ Preliminary.

Table 6 – Annual percentage change in the value of sales of the manufacturing industry: Total

Month	2003	2004	2005	2006	2007	2008	2009
Jan	-	1,3	5,3	10,7	21,1	12,3	-5,3
Feb	-	3,6	3,9	6,9	24,4	16,3	-9,3
Mar	-	8,4	1,7	11,4	20,1	14,6	-7,6
Apr	-	4,3	11,0	1,6	21,1	29,7	-22,3
May	-	10,7	4,6	11,0	20,9	18,6	-18,9
Jun	-	9,3	6,9	13,6	12,6	27,1	
Jul	-	9,3	6,3	14,8	12,2	29,7	
Aug	-	10,4	8,5	16,0	13,6	20,9	
Sep	-	12,6	7,7	14,4	6,4	25,7	
Oct	-	8,7	4,0	20,9	13,9	16,6	
Nov	-	14,1	5,5	19,7	12,6	6,4	
Dec	-	10,1	9,8	12,9	11,1	5,7	
Year	-	8,7	6,2	13,1	15,4	18,5	

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 7 – Total seasonally adjusted sales of the manufacturing industry (R'000)

Month	2003	2004	2005	2006	2007	2008	2009
Jan	64 446 361	65 073 204	68 609 393	75 915 115	91 743 883	102 600 574	97 605 307
Feb	63 981 310	66 569 132	69 347 264	74 310 055	92 555 601	107 996 025	97 758 495
Mar	62 541 878	68 112 445	69 435 242	77 478 090	92 954 070	106 928 550	98 923 400
Apr	63 869 128	66 472 356	74 106 298	75 599 875	91 599 363	118 739 916	92 351 242
May	61 612 961	68 282 607	71 536 162	79 483 293	95 759 789	113 136 378	92 609 955
Jun	61 913 558	67 817 542	72 453 044	82 139 622	92 366 591	117 338 764	
Jul	62 865 857	68 354 329	72 339 269	82 740 371	92 785 235	119 797 156	
Aug	61 875 465	67 962 904	73 306 439	84 539 269	95 854 852	115 512 419	
Sep	61 933 038	69 465 473	74 604 839	85 301 674	91 009 253	114 564 549	
Oct	63 269 791	68 846 294	71 551 507	86 478 552	98 404 287	114 712 315	
Nov	61 303 612	70 009 425	73 583 994	88 379 018	99 600 278	105 973 771	
Dec	63 253 964	69 874 378	77 365 853	88 335 589	98 257 998	103 057 002	

Table 8a – Sales of manufactured products according to manufacturing divisions and major groups (R'000)

Manufacturing divisions and major groups	Year 2008	Actual values			Seasonally adjusted values		
		May 2008	1/ April 2009	1/ May 2009	May 2008	April 2009	May 2009
Food and beverages	232 023 026	17 958 516	18 936 658	19 143 960	18 546 987	19 910 524	19 798 869
-Meat, fish, fruit, etc.	60 076 273	4 731 222	5 040 136	5 187 561	4 753 449	5 258 126	5 228 705
-Dairy products	19 078 729	1 479 016	1 540 142	1 547 072	1 577 408	1 637 214	1 655 985
-Grain mill products	46 802 248	3 767 971	3 628 206	3 804 900	3 685 247	3 755 116	3 720 560
-Other food products	49 467 398	3 956 782	4 138 590	4 345 942	4 011 700	4 275 644	4 406 026
-Beverages	56 598 378	4 023 525	4 589 584	4 258 485	4 519 183	4 984 425	4 787 592
Textiles, clothing, leather and footwear	41 798 562	3 565 941	2 958 920	3 176 509	3 518 470	3 052 360	3 134 630
-Textiles	6 554 752	582 329	486 581	518 679	551 357	495 010	492 082
-Other textile products	10 229 135	884 262	643 055	697 022	869 452	680 600	685 178
-Knitted, crocheted articles	1 975 538	195 532	166 770	196 502	165 673	166 845	166 739
-Wearing apparel	15 198 176	1 262 454	1 108 465	1 151 925	1 286 454	1 125 583	1 173 210
-Leather and leather products	4 318 960	362 314	295 100	312 491	360 922	299 133	311 158
-Footwear	3 522 001	279 050	258 949	299 890	284 612	285 189	306 264
Wood and wood products, paper, publishing and printing	111 176 443	9 138 945	7 753 940	8 679 979	9 096 895	8 504 101	8 654 083
-Sawmilling and planing of wood	8 071 856	666 874	467 227	530 761	650 138	499 806	516 759
-Products of wood	18 611 025	1 583 672	1 319 000	1 438 766	1 561 588	1 407 429	1 418 434
-Paper and paper products	48 620 414	3 998 481	3 421 836	3 759 946	3 967 693	3 840 578	3 732 625
-Publishing	15 058 581	1 205 729	1 081 086	1 204 515	1 248 152	1 198 664	1 248 918
-Printing, recorded media	20 814 567	1 684 189	1 464 791	1 745 991	1 669 324	1 557 624	1 737 347
Petroleum, chemical products, rubber and plastic products	318 096 334	27 253 469	20 313 551	21 421 914	26 730 981	21 328 436	21 101 111
-Coke, petroleum products and nuclear fuel	125 107 924	11 550 536	7 017 605	7 441 196	11 030 220	7 174 134	7 110 731
-Basic chemicals	75 968 815	6 345 725	4 133 654	4 161 792	6 333 159	4 404 418	4 157 545
-Other chemical products	63 051 694	4 949 732	4 806 683	5 060 364	4 979 159	5 098 970	5 098 422
-Rubber products	11 785 950	1 001 840	811 699	929 497	983 865	851 602	910 441
-Plastic products	42 181 951	3 405 636	3 543 910	3 829 065	3 404 578	3 799 313	3 823 972
Glass and non-metallic mineral products	36 055 584	2 982 589	2 597 317	2 816 569	2 942 572	2 823 025	2 790 315
-Glass and glass products	6 472 067	462 307	464 592	501 125	491 090	522 819	533 330
-Non-metallic mineral products	29 583 517	2 520 282	2 132 725	2 315 444	2 451 483	2 300 206	2 256 984
Basic iron and steel, non-ferrous metal products, metal products and machinery	297 763 034	26 252 938	16 138 137	17 592 537	25 434 524	17 205 624	17 128 039
-Basic iron and steel products	125 939 060	11 923 555	5 065 629	6 115 593	11 157 230	5 239 633	5 699 237
-Non-ferrous metal products	42 264 456	3 645 655	2 562 462	2 568 175	3 534 436	2 627 238	2 482 846
-Structural metal products	24 132 393	2 184 462	1 559 499	1 712 985	2 088 713	1 739 644	1 644 747
-Other fabricated metal products	44 958 326	3 809 584	3 166 411	3 375 943	3 741 058	3 374 428	3 308 518
-General purpose machinery	23 087 802	1 902 438	1 528 763	1 571 163	1 901 954	1 616 596	1 569 789
-Special purpose machinery	27 929 392	2 004 238	1 583 866	1 517 847	2 241 771	1 895 491	1 703 918
-Household appliances	9 451 605	783 006	671 507	730 831	769 361	712 594	718 985
Electrical machinery	39 726 613	3 320 821	3 084 592	2 959 917	3 291 679	3 252 436	2 976 259
Radio, television and communication apparatus and professional equipment	14 007 573	1 185 541	999 775	1 100 703	1 200 990	1 102 292	1 110 192
-Radio, television and communication apparatus	6 461 304	518 855	431 614	449 528	546 813	480 489	470 664
-Professional equipment	7 546 269	666 686	568 161	651 175	654 177	621 803	639 528
Motor vehicles, parts and accessories and other transport equipment	191 944 736	17 695 768	9 393 352	11 435 798	17 209 226	10 409 887	11 140 412
-Motor vehicles	94 941 676	8 541 568	4 095 472	5 548 013	8 539 100	4 838 008	5 526 525
-Bodies for motor vehicles, trailers and semi-trailers	10 529 036	921 933	651 037	646 182	912 063	688 501	638 486
-Parts and accessories	71 558 417	7 149 016	3 492 526	3 919 516	6 656 933	3 612 815	3 625 692
-Other transport equipment	14 915 607	1 083 251	1 154 317	1 322 087	1 101 130	1 270 562	1 349 708
Furniture and other manufacturing division	61 368 871	5 114 762	4 412 026	4 558 050	5 164 055	4 762 556	4 776 045
-Furniture	13 761 092	1 122 183	938 922	1 014 067	1 123 016	1 030 758	1 015 904
-Other manufacturing groups	47 607 779	3 992 579	3 473 104	3 543 983	4 041 039	3 731 798	3 760 141
Total	1 343 960 776	114 469 290	86 588 268	92 885 936	113 136 378	92 351 242	92 609 955

1/ Preliminary.

**Table 8b – Sales of manufactured products according to manufacturing divisions and major groups (R'000)
(concluded)**

Manufacturing divisions and major groups	Year 2008	Value of sales			Seasonally adjusted value of sales		
		May 2008	1/ May 2009	Percentage change between May 2008 and May 2009	April 2009	May 2009	Percentage change between April and May 2009
Food and beverages	232 023 026	17 958 516	19 143 960	6,6	19 910 524	19 798 869	-0,6
-Meat, fish, fruit, etc.	60 076 273	4 731 222	5 187 561	9,6	5 258 126	5 228 705	-0,6
-Dairy products	19 078 729	1 479 016	1 547 072	4,6	1 637 214	1 655 985	1,1
-Grain mill products	46 802 248	3 767 971	3 804 900	1,0	3 755 116	3 720 560	-0,9
-Other food products	49 467 398	3 956 782	4 345 942	9,8	4 275 644	4 406 026	3,0
-Beverages	56 598 378	4 023 525	4 258 485	5,8	4 984 425	4 787 592	-3,9
Textiles, clothing, leather and footwear	41 798 562	3 565 941	3 176 509	-10,9	3 052 360	3 134 630	2,7
-Textiles	6 554 752	582 329	518 679	-10,9	495 010	492 082	-0,6
-Other textile products	10 229 135	884 262	697 022	-21,2	680 600	685 178	0,7
-Knitted, crocheted articles	1 975 538	195 532	196 502	0,5	166 845	166 739	-0,1
-Wearing apparel	15 198 176	1 262 454	1 151 925	-8,8	1 125 583	1 173 210	4,2
-Leather and leather products	4 318 960	362 314	312 491	-13,8	299 133	311 158	4,0
-Footwear	3 522 001	279 050	299 890	7,5	285 189	306 264	7,4
Wood and wood products, paper, publishing and printing	111 176 443	9 138 945	8 679 979	-5,0	8 504 101	8 654 083	1,8
-Sawmilling and planing of wood	8 071 856	666 874	530 761	-20,4	499 806	516 759	3,4
-Products of wood	18 611 025	1 583 672	1 438 766	-9,2	1 407 429	1 418 434	0,8
-Paper and paper products	48 620 414	3 998 481	3 759 946	-6,0	3 840 578	3 732 625	-2,8
-Publishing	15 058 581	1 205 729	1 204 515	-0,1	1 198 664	1 248 918	4,2
-Printing, recorded media	20 814 567	1 684 189	1 745 991	3,7	1 557 624	1 737 347	11,5
Petroleum, chemical products, rubber and plastic products	318 096 334	27 253 469	21 421 914	-21,4	21 328 436	21 101 111	-1,1
-Coke, petroleum products and nuclear fuel	125 107 924	11 550 536	7 441 196	-35,6	7 174 134	7 110 731	-0,9
-Basic chemicals	75 968 815	6 345 725	4 161 792	-34,4	4 404 418	4 157 545	-5,6
-Other chemical products	63 051 694	4 949 732	5 060 364	2,2	5 098 970	5 098 422	0,0
-Rubber products	11 785 950	1 001 840	929 497	-7,2	851 602	910 441	6,9
-Plastic products	42 181 951	3 405 636	3 829 065	12,4	3 799 313	3 823 972	0,6
Glass and non-metallic mineral products	36 055 584	2 982 589	2 816 569	-5,6	2 823 025	2 790 315	-1,2
-Glass and glass products	6 472 067	462 307	501 125	8,4	522 819	533 330	2,0
-Non-metallic mineral products	29 583 517	2 520 282	2 315 444	-8,1	2 300 206	2 256 984	-1,9
Basic iron and steel, non-ferrous metal products, metal products and machinery	297 763 034	26 252 938	17 592 537	-33,0	17 205 624	17 128 039	-0,5
-Basic iron and steel products	125 939 060	11 923 555	6 115 593	-48,7	5 239 633	5 699 237	8,8
-Non-ferrous metal products	42 264 456	3 645 655	2 568 175	-29,6	2 627 238	2 482 846	-5,5
-Structural metal products	24 132 393	2 184 462	1 712 985	-21,6	1 739 644	1 644 747	-5,5
-Other fabricated metal products	44 958 326	3 809 584	3 375 943	-11,4	3 374 428	3 308 518	-2,0
-General purpose machinery	23 087 802	1 902 438	1 571 163	-17,4	1 616 596	1 569 789	-2,9
-Special purpose machinery	27 929 392	2 004 238	1 517 847	-24,3	1 895 491	1 703 918	-10,1
-Household appliances	9 451 605	783 006	730 831	-6,7	712 594	718 985	0,9
Electrical machinery	39 726 613	3 320 821	2 959 917	-10,9	3 252 436	2 976 259	-8,5
Radio, television and communication apparatus and professional equipment	14 007 573	1 185 541	1 100 703	-7,2	1 102 292	1 110 192	0,7
-Radio, television and communication apparatus	6 461 304	518 855	449 528	-13,4	480 489	470 664	-2,0
-Professional equipment	7 546 269	666 686	651 175	-2,3	621 803	639 528	2,9
Motor vehicles, parts and accessories and other transport equipment	191 944 736	17 695 768	11 435 798	-35,4	10 409 887	11 140 412	7,0
-Motor vehicles	94 941 676	8 541 568	5 548 013	-35,0	4 838 008	5 526 525	14,2
-Bodies for motor vehicles, trailers and semi-trailers	10 529 036	921 933	646 182	-29,9	688 501	638 486	-7,3
-Parts and accessories	71 558 417	7 149 016	3 919 516	-45,2	3 612 815	3 625 692	0,4
-Other transport equipment	14 915 607	1 083 251	1 322 087	22,0	1 270 562	1 349 708	6,2
Furniture and other manufacturing division	61 368 871	5 114 762	4 558 050	-10,9	4 762 556	4 776 045	0,3
-Furniture	13 761 092	1 122 183	1 014 067	-9,6	1 030 758	1 015 904	-1,4
-Other manufacturing groups	47 607 779	3 992 579	3 543 983	-11,2	3 731 798	3 760 141	0,8
Total	1 343 960 776	114 469 290	92 885 936	-18,9	92 351 242	92 609 955	0,3

1/ Preliminary.

Table 9 – 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 2005=100)			Value of sales (R '000)		
		March to May 2008	March to May 2009	Annual percentage change between March to May 2008 and March to May 2009	March to May 2008	March to May 2009	Annual percentage change between March to May 2008 and March to May 2009
Food and beverages	15,4	105,6	105,4	-0,2	54 349 785	58 344 286	7,3
-Meat, fish, fruit, etc.	1,8	115,2	109,0	-5,4	14 513 843	15 759 437	8,6
-Dairy products	0,8	104,3	105,4	1,1	4 542 527	4 695 890	3,4
-Grain mill products	0,8	108,1	108,1	0,0	11 025 152	11 526 795	4,5
-Other food products	5,2	103,0	102,7	-0,3	11 557 302	12 755 413	10,4
-Beverages	6,8	104,9	106,2	1,2	12 710 961	13 606 751	7,0
Textiles, clothing, leather and footwear	4,9	110,1	91,3	-17,1	10 750 236	9 508 704	-11,5
-Textiles	0,7	94,3	81,6	-13,5	1 649 530	1 587 768	-3,7
-Other textile products	0,9	105,7	77,2	-27,0	2 688 223	2 098 289	-21,9
-Knitted, crocheted articles	0,2	121,1	122,3	1,0	543 435	551 790	1,5
-Wearing apparel	2,1	115,6	100,0	-13,5	3 896 977	3 500 973	-10,2
-Leather and leather products	0,6	113,5	77,6	-31,6	1 161 487	929 085	-20,0
-Footwear	0,4	107,9	102,7	-4,8	810 584	840 799	3,7
Wood and wood products, paper, publishing and printing	10,2	107,8	92,7	-14,0	26 883 688	25 582 351	-4,8
-Sawmilling and planing of wood	0,7	102,8	71,3	-30,6	2 090 440	1 558 350	-25,5
-Products of wood	1,3	108,5	90,1	-17,0	4 708 660	4 163 756	-11,6
-Paper and paper products	3,8	119,6	104,0	-13,0	11 485 277	11 279 577	-1,8
-Publishing	1,9	105,6	91,2	-13,6	3 615 972	3 539 779	-2,1
-Printing, recorded media	2,5	92,3	83,8	-9,2	4 983 339	5 040 889	1,2
Petroleum, chemical products, rubber and plastic products	22,1	120,0	104,0	-13,3	77 455 476	63 881 739	-17,5
-Coke, petroleum products and nuclear fuel	8,5	101,2	95,5	-5,6	31 857 019	21 139 279	-33,6
-Basic chemicals	4,5	153,0	101,4	-33,7	17 860 553	13 223 206	-26,0
-Other chemical products	5,3	118,2	106,7	-9,7	14 898 243	15 522 809	4,2
-Rubber products	1,0	98,8	77,9	-21,2	3 018 256	2 839 107	-5,9
-Plastic products	2,7	135,3	138,8	2,6	9 821 405	11 157 338	13,6
Glass and non-metallic mineral products	4,8	113,1	95,3	-15,7	8 907 580	8 442 539	-5,2
-Glass and glass products	1,0	112,7	111,6	-1,0	1 434 665	1 488 590	3,8
-Non-metallic mineral products	3,8	113,2	91,2	-19,4	7 472 915	6 953 949	-6,9
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	111,3	83,3	-25,2	76 059 300	53 507 328	-29,7
-Basic iron and steel products	7,7	106,6	62,7	-41,2	33 498 075	17 593 974	-47,5
-Non-ferrous metal products	3,4	105,0	95,6	-9,0	10 607 889	7 762 598	-26,8
-Structural metal products	2,0	130,2	103,6	-20,4	6 147 314	5 249 955	-14,6
-Other fabricated metal products	3,8	128,7	109,5	-14,9	10 883 055	10 229 299	-6,0
-General purpose machinery	2,4	97,0	70,9	-26,9	5 701 972	4 817 194	-15,5
-Special purpose machinery	3,1	109,1	83,1	-23,8	6 837 955	5 607 453	-18,0
-Household appliances	0,6	106,8	97,2	-9,0	2 383 040	2 246 855	-5,7
Electrical machinery	2,5	122,3	123,3	0,8	9 959 308	9 349 489	-6,1
Radio, television and communication apparatus and professional equipment	1,1	103,8	96,0	-7,5	3 469 356	3 251 679	-6,3
-Radio, television and communication apparatus	0,4	115,1	97,4	-15,4	1 570 571	1 363 472	-13,2
-Professional equipment	0,7	96,6	95,0	-1,7	1 898 785	1 888 207	-0,6
Motor vehicles, parts and accessories and other transport equipment	10,9	116,4	74,5	-36,0	52 353 733	34 590 888	-33,9
-Motor vehicles	4,9	106,0	63,7	-39,9	25 258 162	16 843 185	-33,3
-Bodies for motor vehicles, trailers and semi-trailers	0,5	154,4	101,1	-34,5	2 683 332	2 005 831	-25,2
-Parts and accessories	4,7	122,7	72,7	-40,7	20 736 655	11 699 586	-43,6
-Other transport equipment	0,9	120,8	125,5	3,9	3 675 584	4 042 286	10,0
Furniture and other manufacturing division	5,2	109,7	89,1	-18,8	14 734 139	13 751 909	-6,7
-Furniture	1,3	100,8	84,8	-15,9	3 186 167	2 897 878	-9,0
-Other manufacturing groups	3,9	112,6	90,5	-19,6	11 547 972	10 854 031	-6,0
Total	100,0	112,7	93,7	-16,9	334 922 601	280 210 912	-16,3

Table 10 – Annual percentage change in the physical volume of manufacturing production and value of sales according to manufacturing divisions and major groups

Manufacturing divisions and major groups	Weights	Indices (base 2005=100)				Value of sales (R million)			
		Jan. to May 2008	Jan. to May 2009	Annual percentage change between 2008 and 2009	Contribution (percentage points)	Jan. to May 2008	Jan. to May 2009	Annual percentage change between 2008 and 2009	Difference in sales between 2008 and 2009
Food and beverages	15,4	101,7	101,8	0,1	0,0	87 211	94 733	8,6	7 522
-Meat, fish, fruit, etc.	1,8	108,5	104,4	-3,8	-0,1	22 813	24 974	9,5	2 161
-Dairy products	0,8	107,2	105,6	-1,5	0,0	7 544	7 870	4,3	326
-Grain mill products	0,8	104,6	104,3	-0,3	0,0	17 495	18 660	6,7	1 165
-Other food products	5,2	94,5	95,1	0,6	0,0	18 275	20 785	13,7	2 510
-Beverages	6,8	104,3	105,5	1,2	0,1	21 084	22 444	6,5	1 360
Textiles, clothing, leather and footwear	4,9	103,8	88,4	-14,8	-0,7	16 794	14 990	-10,7	-1 804
-Textiles	0,7	92,2	80,7	-12,5	-0,1	2 611	2 517	-3,6	-94
-Other textile products	0,9	99,9	76,5	-23,4	-0,2	4 202	3 355	-20,2	-847
-Knitted, crocheted articles	0,2	111,9	111,1	-0,7	0,0	828	820	-1,0	-8
-Wearing apparel	2,1	107,4	96,2	-10,4	-0,2	6 004	5 519	-8,1	-485
-Leather and leather products	0,6	111,5	77,2	-30,8	-0,2	1 921	1 501	-21,9	-420
-Footwear	0,4	98,1	95,4	-2,8	0,0	1 226	1 278	4,2	52
Wood and wood products, paper, publishing and printing	10,2	103,5	91,4	-11,7	-1,1	42 721	41 717	-2,4	-1 004
-Sawmilling and planing of wood	0,7	97,8	72,9	-25,5	-0,2	3 337	2 567	-23,1	-770
-Products of wood	1,3	101,5	88,4	-12,9	-0,2	7 398	6 825	-7,7	-573
-Paper and paper products	3,8	114,5	102,8	-10,2	-0,4	18 258	18 428	0,9	170
-Publishing	1,9	103,6	90,1	-13,0	-0,2	5 893	5 812	-1,4	-81
-Printing, recorded media	2,5	89,0	81,7	-8,2	-0,2	7 835	8 085	3,2	250
Petroleum, chemical products, rubber and plastic products	22,1	114,7	102,8	-10,4	-2,4	119 739	105 491	-11,9	-14 248
-Coke, petroleum products and nuclear fuel	8,5	98,4	94,1	-4,4	-0,3	48 560	34 882	-28,2	-13 678
-Basic chemicals	4,5	143,4	103,0	-28,2	-1,7	27 427	22 869	-16,6	-4 558
-Other chemical products	5,3	111,7	105,6	-5,5	-0,3	23 460	25 235	7,6	1 775
-Rubber products	1,0	94,2	78,1	-17,1	-0,1	4 678	4 576	-2,2	-102
-Plastic products	2,7	131,0	133,2	1,7	0,1	15 615	17 929	14,8	2 314
Glass and non-metallic mineral products	4,8	109,0	92,3	-15,3	-0,7	14 085	13 680	-2,9	-405
-Glass and glass products	1,0	112,2	113,1	0,8	0,0	2 342	2 524	7,8	182
-Non-metallic mineral products	3,8	108,2	87,2	-19,4	-0,7	11 743	11 156	-5,0	-587
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	107,6	80,7	-25,0	-5,7	118 531	87 474	-26,2	-31 057
-Basic iron and steel products	7,7	102,9	57,4	-44,2	-3,2	51 745	28 455	-45,0	-23 290
-Non-ferrous metal products	3,4	104,2	92,7	-11,0	-0,4	16 524	12 798	-22,5	-3 726
-Structural metal products	2,0	122,4	97,5	-20,3	-0,5	9 275	8 318	-10,3	-957
-Other fabricated metal products	3,8	120,0	106,6	-11,2	-0,5	16 760	16 534	-1,3	-226
-General purpose machinery	2,4	95,1	70,7	-25,7	-0,5	9 073	7 967	-12,2	-1 106
-Special purpose machinery	3,1	109,0	87,2	-20,0	-0,6	11 309	9 684	-14,4	-1 625
-Household appliances	0,6	103,8	97,8	-5,8	0,0	3 846	3 718	-3,3	-128
-Electrical machinery	2,5	118,0	119,6	1,4	0,0	15 733	14 990	-4,7	-743
Radio, television and communication apparatus and professional equipment	1,1	100,0	91,1	-8,9	-0,1	5 509	5 233	-5,0	-276
-Radio, television and communication apparatus	0,4	108,8	97,3	-10,6	0,0	2 467	2 184	-11,5	-283
-Professional equipment	0,7	94,5	87,2	-7,7	0,0	3 042	3 050	0,3	8
Motor vehicles, parts and accessories and other transport equipment	10,9	112,7	71,7	-36,4	-4,1	81 246	55 843	-31,3	-25 403
-Motor vehicles	4,9	101,8	64,0	-37,1	-1,7	38 482	27 380	-28,8	-11 102
-Bodies for motor vehicles, trailers and semi-trailers	0,5	143,3	98,8	-31,1	-0,2	4 057	3 162	-22,1	-895
-Parts and accessories	4,7	120,2	67,3	-44,0	-2,3	32 886	18 819	-42,8	-14 067
-Other transport equipment	0,9	116,8	120,6	3,3	0,0	5 822	6 481	11,3	659
Furniture and other manufacturing division	5,2	109,7	89,3	-18,6	-1,0	23 858	22 291	-6,6	-1 567
-Furniture	1,3	94,5	81,2	-14,1	-0,2	4 931	4 590	-6,9	-341
-Other manufacturing groups	3,9	114,7	92,0	-19,8	-0,8	18 927	17 701	-6,5	-1 226
Total	100,0	108,6	91,4	-15,8	-15,8	525 428	456 442	-13,1	-68 986

1/ The contribution (percentage points) of a major group or division is calculated by multiplying the change 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 new business register, 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 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 is continuously upgrading its new business register, 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. 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.
- Response rate**
- 9 The preliminary response rate for the survey on manufacturing production and sales for May 2009 was 88,9%. Improved response rate for April 2009 was 91,3%.
- 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 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.
- 12 The value of sales of manufactured products is obtained monthly from the sample of 3 042 enterprises, which was drawn in April 2008 from a population then of 56 553 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 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.
- 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 2009, 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 E for the fixed weights which were used for the three periods 1998 to 2000, 2001 to 2004 and 2005 to 2009).

Seasonal adjustment

- 17 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** **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 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** **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 of figures** **23** The figures in the tables have, where necessary, been rounded to the nearest digit 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**
- | | |
|----------|---------------------------------------------------------------|
| 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

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.

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

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	12 500 000
Small	12 500 001	32 500 000
Medium	32 500 001	127 500 000
Large	127 500 001	

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>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 E – Weights according to manufacturing major groups

Manufacturing divisions and major groups	Weights according to the 2005 large sample survey of the manufacturing industry 2005 - 2009	Weights according to the 2001 large sample survey of the manufacturing industry 2001 - 2004	Weights according to the 1996 census of manufacturing 1998 - 2000
Food and beverages	15,4	16,4	15,3
Meat, fish, fruit, etc.	1,8	2,6	2,8
Dairy products	0,8	1,1	1,4
Grain mill products	0,8	1,5	2,1
Other food products	5,2	6,8	4,4
Beverages	6,8	4,3	4,6
Textiles, clothing, leather and footwear	4,9	5,4	7,8
Textiles	0,7	1,2	1,7
Other textile products	0,9	1,2	1,2
Knitted, crocheted articles	0,2	0,3	0,6
Wearing apparel	2,1	2,0	3,0
Tanning, dressing of leather	0,6	0,3	0,4
Footwear	0,4	0,4	0,9
Wood and wood products, paper, publishing and printing	10,2	11,0	11,4
Sawmilling and planing of wood	0,7	0,7	0,8
Products of wood	1,3	1,0	1,2
Paper and paper products	3,8	4,8	5,3
Publishing	1,9	2,4	1,5
Printing, recorded media	2,5	2,1	2,6
Petroleum, chemical products, rubber and plastic products	22,1	22,5	19,3
Petroleum products	8,5	9,1	4,2
Basic chemicals	4,5	4,0	4,5
Other chemical products	5,3	5,4	6,2
Rubber products	1,0	1,1	1,4
Plastic products	2,7	3,0	3,1
Glass and non-metallic mineral products	4,8	3,9	4,5
Glass and glass products	1,0	1,1	1,0
Non-metallic mineral products	3,8	2,9	3,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	22,4	23,6
Basic iron and steel products	7,7	5,5	7,6
Non-ferrous metal products	3,4	4,7	3,2
Structural metal products	2,0	1,3	2,4
Other fabricated metal products	3,8	4,2	4,6
General purpose machinery	2,4	2,4	2,5
Special purpose machinery	3,1	3,2	2,9
Household appliances	0,6	1,2	0,4
Electrical machinery	2,5	2,7	3,4
Radio, television and communication apparatus and professional equipment	1,1	1,3	1,5
Radio, television and communication apparatus	0,4	0,7	1,0
Professional equipment	0,7	0,6	0,5
Motor vehicles, parts and accessories and other transport equipment	10,9	8,6	9,1
Motor vehicles	4,9	4,1	4,5
Bodies for motor vehicles, trailers and semi-trailers	0,5	0,4	0,5
Parts and accessories	4,7	3,1	3,0
Other transport equipment	0,9	1,0	1,0
Other manufacturing divisions	5,2	5,8	4,1
Furniture	1,3	1,6	1,6
Other manufacturing groups	3,9	4,2	2,6
Total	100,0	100,0	100,0

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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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