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SUMMARY OF FINDINGS: MANUFACTURING PRODUCTION AND SALES

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

Estimates	June 2009	% change between June 2008 and June 2009	% change between April to June 2008 and April to June 2009	% change between January to June 2008 and January to June 2009
Physical volume of manufacturing production index (2005=100)	95,4	-17,1	-18,7	-16,1
Total value of sales of manufactured products (R million)	95 556	-19,6	-20,2	-14,3

Seasonally adjusted estimates	June 2009	% change between May and June 2009	% change between January to March 2009 and April to June 2009
Physical volume of manufacturing production index (2005=100)	94,0	0,1	-3,0
Total value of sales of manufactured products (R million)	93 661	0,8	-5,4

Manufacturing production decreases

The seasonally adjusted manufacturing production for the second quarter of 2009 decreased by 3,0% compared with the first quarter 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 the petroleum, chemical products, rubber and plastic products division (contributing -0,9 of a percentage point), the wood and wood products, paper, publishing and printing division (contributing -0,7 of a percentage point), the textiles, clothing, leather and footwear division, the glass and non-metallic mineral products division and the basic iron and steel, non-ferrous metal products, metal products and machinery division (each contributing -0,3 of a percentage point) (see Table B). The only division with a positive growth rate during this period was the food and beverages division.

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

The 17,1% decrease in manufacturing production in June 2009 compared with June 2008 was mainly due to lower production in the basic iron and steel, non-ferrous metal products, metal products and machinery division (-24,3% and contributing -5,4 percentage points), followed by motor vehicles, parts and accessories and other transport equipment (-32,8% and contributing -3,5 percentage points) and the petroleum, chemical products, rubber and plastic products division (-14,7% 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

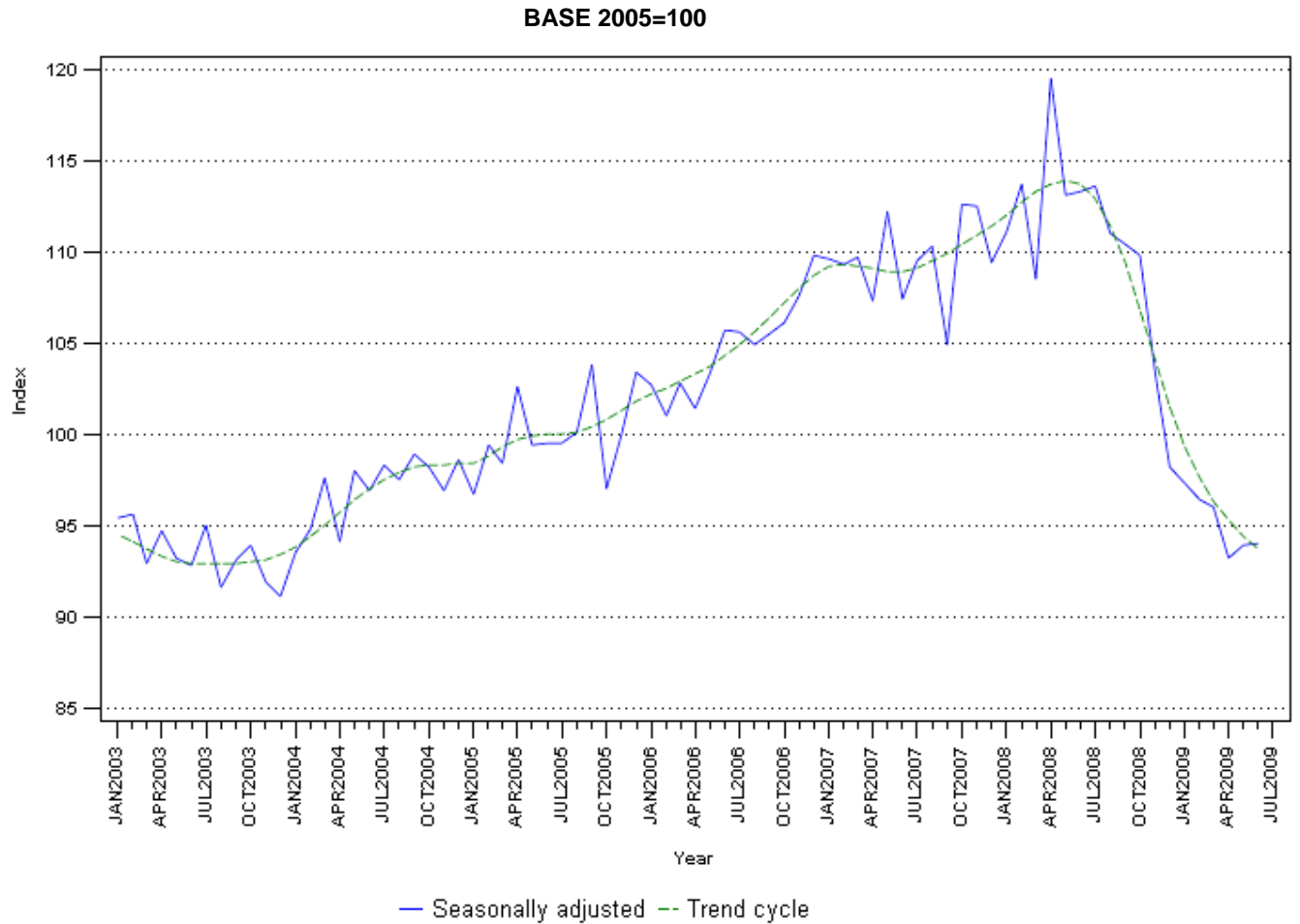
(Base 2005=100)

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 January to March 2009	Average seasonally adjusted production index for April to June 2009	Quarterly percentage change of April to June 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	108,5	108,9	0,4	0,1
-Food and food products	8,6	108,4	105,9	-2,3	-0,2
-Beverages	6,8	108,6	112,7	3,8	0,3
Textiles, clothing, leather and footwear	4,9	95,5	89,5	-6,3	-0,3
-Textiles	1,6	85,2	74,3	-12,8	-0,2
-Wearing apparel	2,3	107,9	99,4	-7,9	-0,2
-Leather and leather products	0,6	75,3	80,8	7,3	0,0
-Footwear	0,4	106,9	102,0	-4,6	0,0
Wood and wood products, paper, publishing and printing	10,2	98,4	91,9	-6,6	-0,7
-Wood and products of wood	2,0	91,0	79,6	-12,5	-0,2
-Paper and paper products	3,8	111,2	102,5	-7,8	-0,3
-Publishing and printing	4,3	90,4	88,2	-2,4	-0,1
Petroleum, chemical products, rubber and plastic products	22,1	107,5	103,4	-3,8	-0,9
-Coke, petroleum products and nuclear fuel	8,5	90,5	97,6	7,8	0,6
-Basic chemicals	4,5	116,8	96,7	-17,2	-0,9
-Other chemical products	5,3	115,6	104,3	-9,8	-0,6
-Rubber products	1,0	81,3	75,0	-7,7	-0,1
-Plastic products	2,7	138,6	141,7	2,2	0,1
Glass and non-metallic mineral products	4,8	100,3	93,3	-7,0	-0,3
-Glass and glass products	1,0	125,6	116,1	-7,6	-0,1
-Non-metallic mineral products	3,8	93,9	87,6	-6,7	-0,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	83,9	82,6	-1,5	-0,3
-Basic iron and steel products	7,7	54,7	65,5	19,7	0,9
-Basic precious, non-ferrous metal products	3,4	94,4	95,0	0,6	0,0
-Fabricated metal products	5,7	110,8	102,9	-7,1	-0,5
-Machinery and equipment	6,1	89,4	77,9	-12,9	-0,7
Electrical machinery	2,5	127,9	118,4	-7,4	-0,2
Radio, television and communication apparatus and professional equipment	1,1	94,9	97,8	3,1	0,0
-Radio, television and communication apparatus	0,4	105,9	102,0	-3,7	0,0
-Professional equipment	0,7	87,9	95,2	8,3	0,1
Motor vehicles, parts and accessories and other transport equipment	10,9	73,8	72,6	-1,6	-0,1
-Motor vehicles, trailers, parts and accessories	10,0	69,4	67,9	-2,2	-0,2
-Other transport equipment	0,9	120,7	122,2	1,2	0,0
Furniture and other manufacturing division	5,2	98,3	95,3	-3,1	-0,2
-Furniture	1,3	93,8	89,8	-4,3	-0,1
-Other manufacturing groups	3,9	99,7	97,1	-2,6	-0,1
Total	100,0	96,6	93,7	-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 June 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 second quarter of 2009 decreased by 5,4% (-R15 798 million), after seasonal adjustment, compared with the first quarter of 2009. Lower manufacturing sales were reported by nine of the ten manufacturing divisions during this period (see Table C).

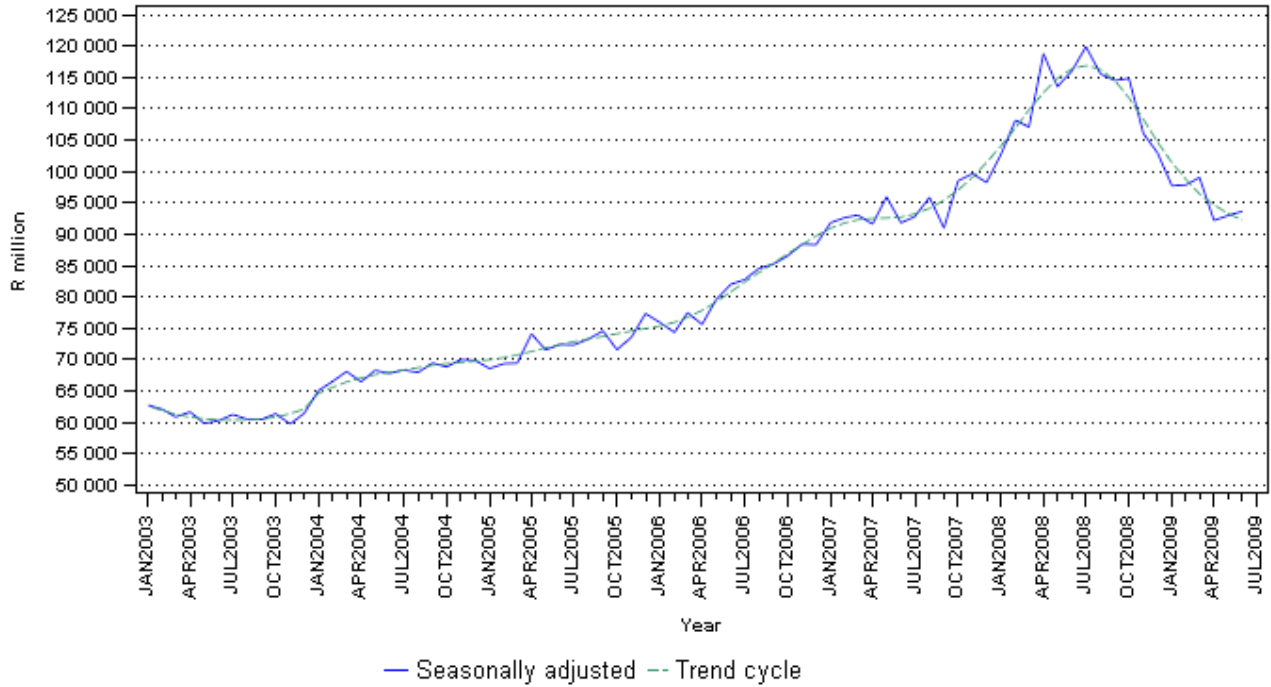
Large decreases were mainly reported for the basic iron and steel, non-ferrous metal products, metal products and machinery division (-9,7% or -R5 542 million), the motor vehicles, parts and accessories and other transport equipment division (-9,0% or -R3 258 million) and the petroleum, chemical products, rubber and plastic products division (-5,5% or -R3 802 million) during the above-mentioned 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 January to March 2009	Seasonally adjusted sales April to June 2009	Percentage change between January to March 2009 and April to June 2009	Difference in seasonally adjusted sales of manufacturing divisions between January to March 2009 and April to June 2009
	R '000	R '000		R '000
Food and beverages	60 065 501	59 530 026	-0,9	-535 475
-Food and food products	46 005 519	44 560 592	-3,1	-1 444 927
-Beverages	14 059 984	14 969 434	6,5	909 450
Textiles, clothing, leather and footwear	9 661 539	9 274 265	-4,0	-387 274
-Textiles	3 741 440	3 493 084	-6,6	-248 356
-Wearing apparel	4 180 831	3 966 882	-5,1	-213 949
-Leather and leather products	873 126	947 874	8,6	74 748
-Footwear	866 142	866 425	0,0	283
Wood and wood products, paper, publishing and printing	26 865 667	25 818 117	-3,9	-1 047 550
-Wood and products of wood	6 229 833	5 642 359	-9,4	-587 474
-Paper and paper products	11 863 651	11 518 627	-2,9	-345 024
-Publishing and printing	8 772 182	8 657 131	-1,3	-115 051
Petroleum, chemical products, rubber and plastic products	68 594 221	64 792 640	-5,5	-3 801 581
-Coke, petroleum products and nuclear fuel	22 254 862	22 266 908	0,1	12 046
-Basic chemicals	15 724 973	12 828 687	-18,4	-2 896 286
-Other chemical products	16 346 905	15 547 685	-4,9	-799 220
-Rubber products	2 928 949	2 694 857	-8,0	-234 092
-Plastic products	11 338 531	11 454 502	1,0	115 971
Glass and non-metallic mineral products	8 990 420	8 407 813	-6,5	-582 607
-Glass and glass products	1 741 087	1 637 185	-6,0	-103 902
-Non-metallic mineral products	7 249 333	6 770 628	-6,6	-478 705
Basic iron and steel, non-ferrous metal products, metal products and machinery	57 311 893	51 770 317	-9,7	-5 541 576
-Basic iron and steel products	18 440 219	17 364 145	-5,8	-1 076 074
-Basic precious, non-ferrous metal products	8 419 773	7 381 840	-12,3	-1 037 933
-Fabricated metal products	16 427 298	14 703 993	-10,5	-1 723 305
-Machinery and equipment	14 024 603	12 320 338	-12,2	-1 704 265
Electrical machinery	9 642 221	9 147 688	-5,1	-494 533
Radio, television and communication apparatus and professional equipment	3 263 566	3 341 849	2,4	78 283
-Radio, television and communication apparatus	1 395 053	1 397 966	0,2	2 913
-Professional equipment	1 868 513	1 943 884	4,0	75 371
Motor vehicles, parts and accessories and other transport equipment	36 031 052	32 772 555	-9,0	-3 258 497
-Motor vehicles, trailers, parts and accessories	32 074 870	28 851 557	-10,0	-3 223 313
-Other transport equipment	3 956 179	3 920 997	-0,9	-35 182
Furniture and other manufacturing division	14 199 387	13 972 589	-1,6	-226 798
-Furniture	3 202 339	3 056 328	-4,6	-146 011
-Other manufacturing groups	10 997 049	10 916 261	-0,7	-80 788
Total	294 625 468	278 827 861	-5,4	-15 797 607

Figure 2 shows the seasonally adjusted and trend series for sales of manufactured products between January 2003 and June 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	98,9
Apr	88,8	88,9	96,2	95,4	100,6	111,8	1/ 87,3
May	93,8	98,7	100,3	104,2	113,2	114,3	1/ 94,6
Jun	93,4	97,6	100,1	106,6	108,9	115,1	1/ 95,4
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	-21,9
May	-	5,2	1,6	3,9	8,6	1,0	-17,2
Jun	-	4,5	2,6	6,5	2,2	5,7	-17,1
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 annual 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	109,6	111,1	97,3
Feb	95,6	94,8	99,4	101,0	109,3	113,7	96,4
Mar	92,9	97,6	98,4	102,8	109,7	108,5	96,0
Apr	94,7	94,1	102,6	101,4	107,3	119,5	93,2
May	93,2	98,0	99,4	103,3	112,2	113,1	93,9
Jun	92,8	96,9	99,5	105,7	107,4	113,3	94,0
Jul	95,0	98,3	99,5	105,6	109,5	113,6	
Aug	91,6	97,5	100,1	104,9	110,3	111,0	
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	109,8	109,4	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		
			June 2008	1/ May 2009	1/ June 2009	June 2008	May 2009	June 2009
Food and beverages	15,4	109,6	110,4	107,5	109,1	111,7	109,8	110,5
-Meat, fish, fruit, etc.	1,8	108,7	113,9	109,0	107,8	111,9	103,8	105,9
-Dairy products	0,8	110,9	104,1	100,5	96,1	112,4	108,4	103,5
-Grain mill products	0,8	108,6	114,8	106,5	111,8	110,4	103,5	107,3
-Other food products	5,2	105,3	121,2	116,3	117,1	109,6	110,8	105,9
-Beverages	6,8	113,1	101,4	101,4	104,5	113,2	111,6	116,4
Textiles, clothing, leather and footwear	4,9	104,8	102,0	92,9	88,5	101,6	90,8	88,2
-Textiles	0,7	90,5	90,5	83,4	72,9	86,1	76,1	69,5
-Other textile products	0,9	99,6	103,6	78,6	77,4	100,0	78,0	74,8
-Knitted, crocheted articles	0,2	112,1	120,7	129,9	113,6	115,3	113,3	108,6
-Wearing apparel	2,1	110,5	101,0	100,9	94,8	108,7	101,7	102,1
-Leather and leather products	0,6	101,3	104,5	78,1	90,4	102,0	76,5	88,5
-Footwear	0,4	111,6	111,5	106,9	93,1	114,6	106,2	96,3
Wood and wood products, paper, publishing and printing	10,2	108,3	109,6	93,2	91,8	108,5	93,0	91,1
-Sawmilling and planing of wood	0,7	95,7	98,4	70,9	70,6	93,6	68,1	67,2
-Products of wood	1,3	103,5	113,0	89,0	88,3	103,8	87,7	81,3
-Paper and paper products	3,8	121,8	127,6	104,7	105,4	123,0	102,9	101,5
-Publishing	1,9	105,9	104,1	90,0	89,3	108,1	93,8	92,8
-Printing, recorded media	2,5	95,5	87,5	86,5	80,4	93,2	87,0	85,5
Petroleum, chemical products, rubber and plastic products	22,1	117,9	124,2	103,2	105,9	123,0	101,8	104,6
-Coke, petroleum products and nuclear fuel	8,5	95,8	103,1	102,2	97,8	101,5	99,6	96,3
-Basic chemicals	4,5	152,5	162,6	83,4	100,8	162,4	84,3	100,3
-Other chemical products	5,3	119,2	121,4	105,8	107,5	120,3	105,4	106,4
-Rubber products	1,0	91,0	95,6	81,0	76,0	93,3	75,0	74,3
-Plastic products	2,7	137,3	142,5	142,4	147,2	140,7	140,7	144,9
Glass and non-metallic mineral products	4,8	110,4	112,7	93,2	96,6	108,4	92,2	93,4
-Glass and glass products	1,0	123,1	118,3	111,4	121,3	115,9	116,9	119,9
-Non-metallic mineral products	3,8	107,2	111,3	88,7	90,4	106,6	86,0	86,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	105,6	111,5	83,3	84,4	108,6	82,1	82,3
-Basic iron and steel products	7,7	94,8	108,5	69,6	72,5	104,2	65,3	69,3
-Non-ferrous metal products	3,4	102,8	98,3	98,8	95,6	99,2	96,1	96,5
-Structural metal products	2,0	124,2	135,0	105,5	103,2	126,4	98,9	96,5
-Other fabricated metal products	3,8	125,8	138,6	103,8	100,9	132,3	103,5	96,3
-General purpose machinery	2,4	93,4	93,0	69,2	70,4	91,5	70,0	69,4
-Special purpose machinery	3,1	108,8	103,0	69,5	77,5	104,9	78,2	79,2
-Household appliances	0,6	104,4	95,5	95,7	96,2	97,9	94,7	99,0
-Electrical machinery	2,5	124,9	122,5	113,9	114,2	121,2	114,9	113,9
Radio, television and communication apparatus and professional equipment	1,1	106,0	111,6	104,8	97,4	106,5	105,2	93,1
-Radio, television and communication apparatus	0,4	117,6	127,3	103,5	94,0	121,9	110,2	90,5
-Professional equipment	0,7	98,6	101,7	105,6	99,5	96,8	102,1	94,7
Motor vehicles, parts and accessories and other transport equipment	10,9	105,8	113,4	79,1	76,2	111,6	74,7	74,5
-Motor vehicles	4,9	99,7	103,6	71,1	58,1	104,7	67,1	59,2
-Bodies for motor vehicles, trailers and semi-trailers	0,5	151,1	171,1	100,1	95,4	170,6	95,9	95,1
-Parts and accessories	4,7	105,4	115,6	76,3	80,9	112,5	70,5	78,4
-Other transport equipment	0,9	116,9	125,8	124,4	136,9	114,5	124,3	124,6
Furniture and other manufacturing division	5,2	118,2	131,5	95,4	102,2	122,9	98,6	94,5
-Furniture	1,3	106,3	108,5	89,1	87,9	108,7	90,1	88,0
-Other manufacturing groups	3,9	122,2	139,1	97,5	107,0	127,7	101,4	96,7
Total	100,0	110,6	115,1	94,6	95,4	113,3	93,9	94,0

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		
			June 2008	1/ June 2009	Percentage change between June 2008 and June 2009	May 2009	June 2009	Percentage change between May and June 2009
Food and beverages	15,4	109,6	110,4	109,1	-1,2	109,8	110,5	0,6
-Meat, fish, fruit, etc.	1,8	108,7	113,9	107,8	-5,4	103,8	105,9	2,0
-Dairy products	0,8	110,9	104,1	96,1	-7,7	108,4	103,5	-4,5
-Grain mill products	0,8	108,6	114,8	111,8	-2,6	103,5	107,3	3,7
-Other food products	5,2	105,3	121,2	117,1	-3,4	110,8	105,9	-4,4
-Beverages	6,8	113,1	101,4	104,5	3,1	111,6	116,4	4,3
Textiles, clothing, leather and footwear	4,9	104,8	102,0	88,5	-13,2	90,8	88,2	-2,9
-Textiles	0,7	90,5	90,5	72,9	-19,4	76,1	69,5	-8,7
-Other textile products	0,9	99,6	103,6	77,4	-25,3	78,0	74,8	-4,1
-Knitted, crocheted articles	0,2	112,1	120,7	113,6	-5,9	113,3	108,6	-4,1
-Wearing apparel	2,1	110,5	101,0	94,8	-6,1	101,7	102,1	0,4
-Leather and leather products	0,6	101,3	104,5	90,4	-13,5	76,5	88,5	15,7
-Footwear	0,4	111,6	111,5	93,1	-16,5	106,2	96,3	-9,3
Wood and wood products, paper, publishing and printing	10,2	108,3	109,6	91,8	-16,2	93,0	91,1	-2,0
-Sawmilling and planing of wood	0,7	95,7	98,4	70,6	-28,3	68,1	67,2	-1,3
-Products of wood	1,3	103,5	113,0	88,3	-21,9	87,7	81,3	-7,3
-Paper and paper products	3,8	121,8	127,6	105,4	-17,4	102,9	101,5	-1,4
-Publishing	1,9	105,9	104,1	89,3	-14,2	93,8	92,8	-1,1
-Printing, recorded media	2,5	95,5	87,5	80,4	-8,1	87,0	85,5	-1,7
Petroleum, chemical products, rubber and plastic products	22,1	117,9	124,2	105,9	-14,7	101,8	104,6	2,8
-Coke, petroleum products and nuclear fuel	8,5	95,8	103,1	97,8	-5,1	99,6	96,3	-3,3
-Basic chemicals	4,5	152,5	162,6	100,8	-38,0	84,3	100,3	19,0
-Other chemical products	5,3	119,2	121,4	107,5	-11,4	105,4	106,4	0,9
-Rubber products	1,0	91,0	95,6	76,0	-20,5	75,0	74,3	-0,9
-Plastic products	2,7	137,3	142,5	147,2	3,3	140,7	144,9	3,0
Glass and non-metallic mineral products	4,8	110,4	112,7	96,6	-14,3	92,2	93,4	1,3
-Glass and glass products	1,0	123,1	118,3	121,3	2,5	116,9	119,9	2,6
-Non-metallic mineral products	3,8	107,2	111,3	90,4	-18,8	86,0	86,8	0,9
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	105,6	111,5	84,4	-24,3	82,1	82,3	0,2
-Basic iron and steel products	7,7	94,8	108,5	72,5	-33,2	65,3	69,3	6,1
-Non-ferrous metal products	3,4	102,8	98,3	95,6	-2,7	96,1	96,5	0,4
-Structural metal products	2,0	124,2	135,0	103,2	-23,6	98,9	96,5	-2,4
-Other fabricated metal products	3,8	125,8	138,6	100,9	-27,2	103,5	96,3	-7,0
-General purpose machinery	2,4	93,4	93,0	70,4	-24,3	70,0	69,4	-0,9
-Special purpose machinery	3,1	108,8	103,0	77,5	-24,8	78,2	79,2	1,3
-Household appliances	0,6	104,4	95,5	96,2	0,7	94,7	99,0	4,5
Electrical machinery	2,5	124,9	122,5	114,2	-6,8	114,9	113,9	-0,9
Radio, television and communication apparatus and professional equipment	1,1	106,0	111,6	97,4	-12,7	105,2	93,1	-11,5
-Radio, television and communication apparatus	0,4	117,6	127,3	94,0	-26,2	110,2	90,5	-17,9
-Professional equipment	0,7	98,6	101,7	99,5	-2,2	102,1	94,7	-7,2
Motor vehicles, parts and accessories and other transport equipment	10,9	105,8	113,4	76,2	-32,8	74,7	74,5	-0,3
-Motor vehicles	4,9	99,7	103,6	58,1	-43,9	67,1	59,2	-11,8
-Bodies for motor vehicles, trailers and semi-trailers	0,5	151,1	171,1	95,4	-44,2	95,9	95,1	-0,8
-Parts and accessories	4,7	105,4	115,6	80,9	-30,0	70,5	78,4	11,2
-Other transport equipment	0,9	116,9	125,8	136,9	8,8	124,3	124,6	0,2
Furniture and other manufacturing division	5,2	118,2	131,5	102,2	-22,3	98,6	94,5	-4,2
-Furniture	1,3	106,3	108,5	87,9	-19,0	90,1	88,0	-2,3
-Other manufacturing groups	3,9	122,2	139,1	107,0	-23,1	101,4	96,7	-4,6
Total	100,0	110,6	115,1	95,4	-17,1	93,9	94,0	0,1

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	100 736 708
Apr	60 355 639	62 938 714	69 852 309	70 995 969	85 951 025	111 471 587	1/ 86 440 341
May	62 025 293	68 680 038	71 871 060	79 802 545	96 506 978	114 469 290	1/ 93 026 293
Jun	62 591 404	68 432 062	73 140 542	83 059 482	93 559 142	118 895 452	1/ 95 555 577
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	-22,5
May	-	10,7	4,6	11,0	20,9	18,6	-18,7
Jun	-	9,3	6,9	13,6	12,6	27,1	-19,6
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 annual 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	68 596 573	75 919 680	91 807 551	102 722 733	97 707 753
Feb	63 981 310	66 569 132	69 367 291	74 350 147	92 662 826	108 161 852	97 875 622
Mar	62 541 878	68 112 445	69 424 986	77 500 335	93 023 565	107 074 753	99 042 093
Apr	63 869 128	66 472 356	74 112 220	75 603 387	91 620 263	118 779 820	92 204 093
May	61 612 961	68 282 607	71 555 942	79 550 524	95 947 165	113 518 766	92 962 983
Jun	61 913 558	67 817 542	72 413 975	81 977 723	91 809 721	116 048 626	93 660 785
Jul	62 865 857	68 354 329	72 345 143	82 754 654	92 828 861	119 892 684	
Aug	61 875 465	67 962 904	73 305 504	84 539 945	95 884 675	115 551 373	
Sep	61 933 038	69 465 473	74 580 173	85 241 776	90 977 518	114 499 291	
Oct	63 269 791	68 846 294	71 572 706	86 523 936	98 498 951	114 843 716	
Nov	61 303 612	70 009 425	73 594 584	88 400 686	99 654 497	106 042 849	
Dec	63 253 964	69 874 378	77 340 651	88 316 218	98 236 639	102 985 153	

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		
		June 2008	1/ May 2009	1/ June 2009	June 2008	May 2009	June 2009
Food and beverages	232 023 026	19 329 802	19 299 105	19 504 199	19 513 910	19 894 684	19 724 679
-Meat, fish, fruit, etc.	60 076 273	5 173 342	5 270 491	5 211 303	5 133 475	5 267 331	5 169 357
-Dairy products	19 078 729	1 515 546	1 521 499	1 465 790	1 620 672	1 625 824	1 566 670
-Grain mill products	46 802 248	4 050 041	3 784 000	3 876 754	3 938 875	3 718 947	3 763 678
-Other food products	49 467 398	4 349 219	4 396 580	4 261 902	4 215 463	4 376 115	4 139 384
-Beverages	56 598 378	4 241 654	4 326 535	4 688 450	4 605 424	4 906 467	5 085 589
Textiles, clothing, leather and footwear	41 798 562	3 460 115	3 181 217	3 050 914	3 480 492	3 144 865	3 071 195
-Textiles	6 554 752	566 812	514 799	503 849	539 529	488 478	479 233
-Other textile products	10 229 135	874 493	701 009	689 595	839 781	688 964	662 410
-Knitted, crocheted articles	1 975 538	178 729	196 663	168 145	166 453	165 990	156 554
-Wearing apparel	15 198 176	1 209 643	1 158 094	1 100 387	1 283 313	1 184 399	1 160 537
-Leather and leather products	4 318 960	359 298	314 760	331 336	358 271	315 350	332 135
-Footwear	3 522 001	271 140	295 892	257 602	293 145	301 683	280 327
Wood and wood products, paper, publishing and printing	111 176 443	9 409 286	8 667 757	8 864 913	9 203 488	8 666 733	8 690 707
-Sawmilling and planing of wood	8 071 856	707 266	520 253	551 581	682 446	522 076	532 973
-Products of wood	18 611 025	1 674 450	1 418 653	1 427 812	1 546 097	1 396 032	1 322 043
-Paper and paper products	48 620 414	4 189 472	3 783 844	4 072 804	4 005 268	3 768 023	3 889 464
-Publishing	15 058 581	1 253 162	1 186 494	1 188 139	1 280 540	1 232 071	1 214 941
-Printing, recorded media	20 814 567	1 584 936	1 758 513	1 624 577	1 689 137	1 748 532	1 731 286
Petroleum, chemical products, rubber and plastic products	318 096 334	28 749 331	21 482 587	22 384 009	28 294 311	21 338 864	22 030 923
-Coke, petroleum products and nuclear fuel	125 107 924	12 540 928	7 441 196	7 966 894	12 282 579	7 264 150	7 732 858
-Basic chemicals	75 968 815	6 570 267	4 160 662	4 360 073	6 373 605	4 163 338	4 237 144
-Other chemical products	63 051 694	5 123 385	5 123 975	5 230 618	5 177 229	5 177 444	5 291 297
-Rubber products	11 785 950	1 018 417	938 864	959 191	978 892	916 399	923 345
-Plastic products	42 181 951	3 496 334	3 817 890	3 867 233	3 482 005	3 817 533	3 846 278
Glass and non-metallic mineral products	36 055 584	3 003 462	2 834 692	2 870 085	2 906 256	2 801 188	2 793 391
-Glass and glass products	6 472 067	494 941	501 125	571 820	495 698	543 376	574 568
-Non-metallic mineral products	29 583 517	2 508 521	2 333 567	2 298 265	2 410 558	2 257 812	2 218 823
Basic iron and steel, non-ferrous metal products, metal products and machinery	297 763 034	27 590 393	17 584 334	18 369 640	26 133 744	17 172 497	17 506 050
-Basic iron and steel products	125 939 060	12 936 255	6 129 218	7 062 148	11 723 382	5 792 400	6 374 827
-Non-ferrous metal products	42 264 456	3 609 314	2 581 101	2 289 110	3 595 547	2 476 781	2 283 201
-Structural metal products	24 132 393	2 152 381	1 665 345	1 692 301	2 030 981	1 601 475	1 596 047
-Other fabricated metal products	44 958 326	3 970 823	3 392 595	3 270 160	3 809 549	3 305 385	3 138 357
-General purpose machinery	23 087 802	1 941 912	1 570 851	1 640 214	1 880 160	1 571 677	1 595 032
-Special purpose machinery	27 929 392	2 256 032	1 509 997	1 671 743	2 343 891	1 698 164	1 745 131
-Household appliances	9 451 605	723 676	735 227	743 964	750 234	726 615	773 455
-Electrical machinery	39 726 613	3 382 369	2 916 183	3 024 213	3 325 020	2 924 043	2 985 130
Radio, television and communication apparatus and professional equipment	14 007 573	1 229 462	1 138 164	1 146 751	1 167 199	1 148 972	1 089 960
-Radio, television and communication apparatus	6 461 304	587 731	471 104	450 353	553 493	494 774	424 462
-Professional equipment	7 546 269	641 731	667 060	696 398	613 706	654 198	665 498
Motor vehicles, parts and accessories and other transport equipment	191 944 736	17 223 293	11 454 884	11 484 731	16 730 103	11 181 556	11 153 412
-Motor vehicles	94 941 676	8 049 941	5 548 013	5 493 641	7 988 176	5 539 154	5 476 563
-Bodies for motor vehicles, trailers and semi-trailers	10 529 036	976 663	651 999	627 120	963 287	639 212	621 138
-Parts and accessories	71 558 417	6 818 112	3 932 785	3 910 719	6 539 284	3 655 679	3 750 231
-Other transport equipment	14 915 607	1 378 577	1 322 087	1 453 251	1 239 355	1 347 511	1 305 480
Furniture and other manufacturing division	61 368 871	5 517 939	4 467 370	4 856 122	5 294 102	4 689 580	4 615 338
-Furniture	13 761 092	1 147 039	1 018 111	997 400	1 151 275	1 021 466	1 002 367
-Other manufacturing groups	47 607 779	4 370 900	3 449 259	3 858 722	4 142 827	3 668 115	3 612 970
Total	1 343 960 776	118 895 452	93 026 293	95 555 577	116 048 626	92 962 983	93 660 785

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		
		June 2008	1/ June 2009	Percentage change between June 2008 and June 2009	May 2009	June 2009	Percentage change between May and June 2009
Food and beverages	232 023 026	19 329 802	19 504 199	0,9	19 894 684	19 724 679	-0,9
-Meat, fish, fruit, etc.	60 076 273	5 173 342	5 211 303	0,7	5 267 331	5 169 357	-1,9
-Dairy products	19 078 729	1 515 546	1 465 790	-3,3	1 625 824	1 566 670	-3,6
-Grain mill products	46 802 248	4 050 041	3 876 754	-4,3	3 718 947	3 763 678	1,2
-Other food products	49 467 398	4 349 219	4 261 902	-2,0	4 376 115	4 139 384	-5,4
-Beverages	56 598 378	4 241 654	4 688 450	10,5	4 906 467	5 085 589	3,7
Textiles, clothing, leather and footwear	41 798 562	3 460 115	3 050 914	-11,8	3 144 865	3 071 195	-2,3
-Textiles	6 554 752	566 812	503 849	-11,1	488 478	479 233	-1,9
-Other textile products	10 229 135	874 493	689 595	-21,1	688 964	662 410	-3,9
-Knitted, crocheted articles	1 975 538	178 729	168 145	-5,9	165 990	156 554	-5,7
-Wearing apparel	15 198 176	1 209 643	1 100 387	-9,0	1 184 399	1 160 537	-2,0
-Leather and leather products	4 318 960	359 298	331 336	-7,8	315 350	332 135	5,3
-Footwear	3 522 001	271 140	257 602	-5,0	301 683	280 327	-7,1
Wood and wood products, paper, publishing and printing	111 176 443	9 409 286	8 864 913	-5,8	8 666 733	8 690 707	0,3
-Sawmilling and planing of wood	8 071 856	707 266	551 581	-22,0	522 076	532 973	2,1
-Products of wood	18 611 025	1 674 450	1 427 812	-14,7	1 396 032	1 322 043	-5,3
-Paper and paper products	48 620 414	4 189 472	4 072 804	-2,8	3 768 023	3 889 464	3,2
-Publishing	15 058 581	1 253 162	1 188 139	-5,2	1 232 071	1 214 941	-1,4
-Printing, recorded media	20 814 567	1 584 936	1 624 577	2,5	1 748 532	1 731 286	-1,0
Petroleum, chemical products, rubber and plastic products	318 096 334	28 749 331	22 384 009	-22,1	21 338 864	22 030 923	3,2
-Coke, petroleum products and nuclear fuel	125 107 924	12 540 928	7 966 894	-36,5	7 264 150	7 732 858	6,5
-Basic chemicals	75 968 815	6 570 267	4 360 073	-33,6	4 163 338	4 237 144	1,8
-Other chemical products	63 051 694	5 123 385	5 230 618	2,1	5 177 444	5 291 297	2,2
-Rubber products	11 785 950	1 018 417	959 191	-5,8	916 399	923 345	0,8
-Plastic products	42 181 951	3 496 334	3 867 233	10,6	3 817 533	3 846 278	0,8
Glass and non-metallic mineral products	36 055 584	3 003 462	2 870 085	-4,4	2 801 188	2 793 391	-0,3
-Glass and glass products	6 472 067	494 941	571 820	15,5	543 376	574 568	5,7
-Non-metallic mineral products	29 583 517	2 508 521	2 298 265	-8,4	2 257 812	2 218 823	-1,7
Basic iron and steel, non-ferrous metal products, metal products and machinery	297 763 034	27 590 393	18 369 640	-33,4	17 172 497	17 506 050	1,9
-Basic iron and steel products	125 939 060	12 936 255	7 062 148	-45,4	5 792 400	6 374 827	10,1
-Non-ferrous metal products	42 264 456	3 609 314	2 289 110	-36,6	2 476 781	2 283 201	-7,8
-Structural metal products	24 132 393	2 152 381	1 692 301	-21,4	1 601 475	1 596 047	-0,3
-Other fabricated metal products	44 958 326	3 970 823	3 270 160	-17,6	3 305 385	3 138 357	-5,1
-General purpose machinery	23 087 802	1 941 912	1 640 214	-15,5	1 571 677	1 595 032	1,5
-Special purpose machinery	27 929 392	2 256 032	1 671 743	-25,9	1 698 164	1 745 131	2,8
-Household appliances	9 451 605	723 676	743 964	2,8	726 615	773 455	6,4
Electrical machinery	39 726 613	3 382 369	3 024 213	-10,6	2 924 043	2 985 130	2,1
Radio, television and communication apparatus and professional equipment	14 007 573	1 229 462	1 146 751	-6,7	1 148 972	1 089 960	-5,1
-Radio, television and communication apparatus	6 461 304	587 731	450 353	-23,4	494 774	424 462	-14,2
-Professional equipment	7 546 269	641 731	696 398	8,5	654 198	665 498	1,7
Motor vehicles, parts and accessories and other transport equipment	191 944 736	17 223 293	11 484 731	-33,3	11 181 556	11 153 412	-0,3
-Motor vehicles	94 941 676	8 049 941	5 493 641	-31,8	5 539 154	5 476 563	-1,1
-Bodies for motor vehicles, trailers and semi-trailers	10 529 036	976 663	627 120	-35,8	639 212	621 138	-2,8
-Parts and accessories	71 558 417	6 818 112	3 910 719	-42,6	3 655 679	3 750 231	2,6
-Other transport equipment	14 915 607	1 378 577	1 453 251	5,4	1 347 511	1 305 480	-3,1
Furniture and other manufacturing division	61 368 871	5 517 939	4 856 122	-12,0	4 689 580	4 615 338	-1,6
-Furniture	13 761 092	1 147 039	997 400	-13,0	1 021 466	1 002 367	-1,9
-Other manufacturing groups	47 607 779	4 370 900	3 858 722	-11,7	3 668 115	3 612 970	-1,5
Total	1 343 960 776	118 895 452	95 555 577	-19,6	92 962 983	93 660 785	0,8

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)		
		April to June 2008	April 2009 to June 2009	Annual percentage change between April to June 2008 and April to June 2009	April to June 2008	April to June 2009	Annual percentage change between April to June 2008 and April to June 2009
Food and beverages	15,4	108,0	105,5	-2,3	55 700 144	57 773 117	3,7
-Meat, fish, fruit, etc.	1,8	114,3	107,2	-6,2	14 859 987	15 551 311	4,7
-Dairy products	0,8	103,3	100,2	-3,0	4 489 780	4 525 937	0,8
-Grain mill products	0,8	110,7	106,5	-3,8	11 501 537	11 284 651	-1,9
-Other food products	5,2	114,6	109,8	-4,2	12 315 503	12 797 072	3,9
-Beverages	6,8	101,5	102,2	0,7	12 533 337	13 614 146	8,6
Textiles, clothing, leather and footwear	4,9	107,4	88,2	-17,9	10 577 836	9 189 129	-13,1
-Textiles	0,7	95,8	75,8	-20,9	1 697 701	1 505 229	-11,3
-Other textile products	0,9	104,5	74,7	-28,5	2 621 777	2 031 841	-22,5
-Knitted, crocheted articles	0,2	122,5	120,0	-2,0	543 482	531 578	-2,2
-Wearing apparel	2,1	110,1	95,6	-13,2	3 789 063	3 366 946	-11,1
-Leather and leather products	0,6	108,3	81,6	-24,7	1 107 569	941 092	-15,0
-Footwear	0,4	111,0	97,9	-11,8	818 244	812 443	-0,7
Wood and wood products, paper, publishing and printing	10,2	107,9	89,9	-16,7	27 428 968	25 247 745	-8,0
-Sawmilling and planing of wood	0,7	103,6	68,2	-34,2	2 113 639	1 535 187	-27,4
-Products of wood	1,3	109,6	87,4	-20,3	4 866 669	4 142 599	-14,9
-Paper and paper products	3,8	123,6	102,3	-17,2	11 961 644	11 285 198	-5,7
-Publishing	1,9	101,3	87,3	-13,8	3 587 659	3 436 605	-4,2
-Printing, recorded media	2,5	89,0	80,1	-10,0	4 899 357	4 848 156	-1,0
Petroleum, chemical products, rubber and plastic products	22,1	122,4	103,3	-15,6	81 694 608	64 171 342	-21,4
-Coke, petroleum products and nuclear fuel	8,5	102,1	99,3	-2,7	34 592 385	22 425 695	-35,2
-Basic chemicals	4,5	158,7	94,5	-40,5	18 685 732	12 670 377	-32,2
-Other chemical products	5,3	120,2	103,1	-14,2	15 177 741	15 154 233	-0,2
-Rubber products	1,0	99,7	75,8	-24,0	3 048 833	2 709 754	-11,1
-Plastic products	2,7	138,4	140,7	1,7	10 189 917	11 211 283	10,0
Glass and non-metallic mineral products	4,8	114,3	93,9	-17,8	9 055 998	8 298 102	-8,4
-Glass and glass products	1,0	115,7	112,1	-3,1	1 456 968	1 537 537	5,5
-Non-metallic mineral products	3,8	113,9	89,4	-21,5	7 599 030	6 760 565	-11,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	109,8	82,2	-25,1	78 963 631	52 086 996	-34,0
-Basic iron and steel products	7,7	106,6	67,8	-36,4	36 202 461	18 256 995	-49,6
-Non-ferrous metal products	3,4	103,2	94,6	-8,3	10 683 231	7 434 312	-30,4
-Structural metal products	2,0	132,6	102,6	-22,6	6 317 983	4 917 145	-22,2
-Other fabricated metal products	3,8	130,1	103,7	-20,3	11 445 430	9 830 465	-14,1
-General purpose machinery	2,4	94,4	69,1	-26,8	5 706 521	4 739 566	-16,9
-Special purpose machinery	3,1	99,4	72,8	-26,8	6 315 156	4 757 815	-24,7
-Household appliances	0,6	102,5	93,2	-9,1	2 292 849	2 150 698	-6,2
Electrical machinery	2,5	122,1	115,9	-5,1	9 995 123	9 006 886	-9,9
Radio, television and communication apparatus and professional equipment	1,1	106,2	96,0	-9,6	3 497 215	3 287 116	-6,0
-Radio, television and communication apparatus	0,4	116,9	97,4	-16,7	1 598 244	1 355 497	-15,2
-Professional equipment	0,7	99,5	95,0	-4,5	1 898 971	1 931 619	1,7
Motor vehicles, parts and accessories and other transport equipment	10,9	117,1	72,6	-38,0	52 292 790	32 330 296	-38,2
-Motor vehicles	4,9	107,5	58,5	-45,6	24 625 134	15 137 126	-38,5
-Bodies for motor vehicles, trailers and semi-trailers	0,5	162,3	97,6	-39,9	2 812 745	1 930 156	-31,4
-Parts and accessories	4,7	122,9	74,6	-39,3	21 162 647	11 333 359	-46,4
-Other transport equipment	0,9	116,4	122,8	5,5	3 692 264	3 929 655	6,4
Furniture and other manufacturing division	5,2	118,2	90,0	-23,9	15 630 016	13 631 482	-12,8
-Furniture	1,3	104,9	86,7	-17,3	3 326 994	2 954 433	-11,2
-Other manufacturing groups	3,9	122,5	91,1	-25,6	12 303 022	10 677 049	-13,2
Total	100,0	113,7	92,4	-18,7	344 836 329	275 022 211	-20,2

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 Jun. 2008	Jan. to Jun. 2009	Annual percentage change between 2008 and 2009	Contribution (percentage points)	Jan. to Jun. 2008	Jan. to Jun. 2009	Annual percentage change between 2008 and 2009	Difference in sales between 2008 and 2009
Food and beverages	15,4	103,1	103,2	0,1	0,0	106 541	114 425	7,4	7 884
-Meat, fish, fruit, etc.	1,8	109,4	105,4	-3,7	-0,1	27 986	30 298	8,3	2 312
-Dairy products	0,8	106,7	103,8	-2,7	0,0	9 059	9 308	2,7	249
-Grain mill products	0,8	106,3	105,5	-0,8	0,0	21 545	22 511	4,5	966
-Other food products	5,2	99,0	99,0	0,0	0,0	22 624	25 098	10,9	2 474
-Beverages	6,8	103,8	105,6	1,7	0,1	25 325	27 210	7,4	1 885
Textiles, clothing, leather and footwear	4,9	103,5	88,5	-14,5	-0,7	20 254	18 043	-10,9	-2 211
-Textiles	0,7	91,9	79,2	-13,8	-0,1	3 178	3 017	-5,1	-161
-Other textile products	0,9	100,5	76,9	-23,5	-0,2	5 077	4 047	-20,3	-1 030
-Knitted, crocheted articles	0,2	113,4	111,6	-1,6	0,0	1 007	989	-1,8	-18
-Wearing apparel	2,1	106,4	96,1	-9,7	-0,2	7 214	6 625	-8,2	-589
-Leather and leather products	0,6	110,3	79,5	-27,9	-0,2	2 281	1 834	-19,6	-447
-Footwear	0,4	100,4	94,8	-5,6	0,0	1 498	1 532	2,3	34
Wood and wood products, paper, publishing and printing	10,2	104,5	91,4	-12,5	-1,2	52 131	50 530	-3,1	-1 601
-Sawmilling and planing of wood	0,7	97,9	72,3	-26,1	-0,2	4 045	3 104	-23,3	-941
-Products of wood	1,3	103,4	88,1	-14,8	-0,2	9 073	8 210	-9,5	-863
-Paper and paper products	3,8	116,7	103,3	-11,5	-0,5	22 448	22 531	0,4	83
-Publishing	1,9	103,7	89,5	-13,7	-0,2	7 146	6 963	-2,6	-183
-Printing, recorded media	2,5	88,7	81,5	-8,1	-0,2	9 419	9 723	3,2	304
Petroleum, chemical products, rubber and plastic products	22,1	116,3	103,0	-11,4	-2,7	148 489	127 927	-13,8	-20 562
-Coke, petroleum products and nuclear fuel	8,5	99,2	94,7	-4,5	-0,3	61 101	42 849	-29,9	-18 252
-Basic chemicals	4,5	146,6	100,9	-31,2	-1,9	33 997	27 244	-19,9	-6 753
-Other chemical products	5,3	113,3	106,1	-6,4	-0,3	28 583	30 523	6,8	1 940
-Rubber products	1,0	94,5	77,9	-17,6	-0,2	5 697	5 545	-2,7	-152
-Plastic products	2,7	133,0	135,3	1,7	0,1	19 111	21 767	13,9	2 656
Glass and non-metallic mineral products	4,8	109,6	93,1	-15,1	-0,7	17 089	16 564	-3,1	-525
-Glass and glass products	1,0	113,2	114,4	1,1	0,0	2 837	3 096	9,1	259
-Non-metallic mineral products	3,8	108,7	87,7	-19,3	-0,7	14 251	13 468	-5,5	-783
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	108,3	81,3	-24,9	-5,6	146 121	105 830	-27,6	-40 291
-Basic iron and steel products	7,7	103,8	60,1	-42,1	-3,1	64 681	35 531	-45,1	-29 150
-Non-ferrous metal products	3,4	103,2	93,2	-9,7	-0,3	20 133	15 102	-25,0	-5 031
-Structural metal products	2,0	124,5	98,0	-21,3	-0,5	11 427	9 962	-12,8	-1 465
-Other fabricated metal products	3,8	123,1	105,7	-14,1	-0,6	20 730	19 822	-4,4	-908
-General purpose machinery	2,4	94,7	70,6	-25,4	-0,5	11 015	9 607	-12,8	-1 408
-Special purpose machinery	3,1	108,0	85,5	-20,8	-0,6	13 565	11 340	-16,4	-2 225
-Household appliances	0,6	102,4	97,7	-4,6	0,0	4 570	4 466	-2,3	-104
Electrical machinery	2,5	118,8	118,4	-0,3	0,0	19 115	17 953	-6,1	-1 162
Radio, television and communication apparatus and professional equipment	1,1	102,0	93,1	-8,7	-0,1	6 739	6 420	-4,7	-319
-Radio, television and communication apparatus	0,4	111,9	98,1	-12,3	-0,1	3 055	2 658	-13,0	-397
-Professional equipment	0,7	95,7	90,0	-6,0	0,0	3 684	3 762	2,1	78
Motor vehicles, parts and accessories and other transport equipment	10,9	112,8	72,5	-35,7	-4,0	98 469	67 344	-31,6	-31 125
-Motor vehicles	4,9	102,1	63,0	-38,3	-1,7	46 532	32 874	-29,4	-13 658
-Bodies for motor vehicles, trailers and semi-trailers	0,5	147,9	98,8	-33,2	-0,2	5 033	3 795	-24,6	-1 238
-Parts and accessories	4,7	119,4	69,6	-41,7	-2,1	39 704	22 740	-42,7	-16 964
-Other transport equipment	0,9	118,3	123,3	4,2	0,0	7 200	7 934	10,2	734
Furniture and other manufacturing division	5,2	113,3	91,5	-19,2	-1,0	29 376	26 953	-8,2	-2 423
-Furniture	1,3	96,8	82,4	-14,9	-0,2	6 078	5 592	-8,0	-486
Other manufacturing groups	3,9	118,8	94,5	-20,5	-0,9	23 297	21 361	-8,3	-1 936
Total	100,0	109,7	92,0	-16,1	-16,1	644 323	551 990	-14,3	-92 333

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 June 2009 was 88,8%. Improved response rate for May 2009 was 91,8%.
- 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.

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- 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 |
| * | Revised figures |
- Changes in the next publication** **26** The results published in the next publication (July 2009) will be based on a new sample drawn in April 2009. The periodic introduction of a new sample is part of Stats SA's strategic approach in improving the basis from which surveys are conducted.

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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