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SUMMARY OF FINDINGS: MANUFACTURING PRODUCTION AND SALES

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

Actual estimates	August 2009	% change between August 2008 and August 2009	% change between June to August 2008 and June to August 2009	% change between January to August 2008 and January to August 2009
Physical volume of manufacturing production index (2005=100)	97,8	-15,0	-15,1	-15,6
Total value of sales of manufactured products (R million)	98 389	-19,3	-20,5	-16,2

Seasonally adjusted estimates	August 2009	% change between July and August 2009	% change between March to May 2009 and June to August 2009
Physical volume of manufacturing production index (2005=100)	94,5	-2,8	0,8
Total value of sales of manufactured products (R million)	94 099	-0,8	-1,6

Manufacturing production after seasonal adjustment shows positive growth

The seasonally adjusted manufacturing production for the three months ended August 2009 increased by 0,8% compared with the previous three months, better than the 0,3% quarter-on-quarter decrease in July 2009. Higher production levels were reported by five of the ten manufacturing divisions during the latest three months. This is the first quarter-on-quarter increase since June 2008.

The increase was driven mainly by higher production in the motor vehicles, parts and accessories and other transport equipment division (contributing 0,6 of a percentage point), the petroleum, chemical products, rubber and plastic products division (contributing 0,6 of a percentage point) and the food and beverages division (contributing 0,4 of a percentage point). The only significant negative contributions were the wood and wood products, paper, publishing and printing division (-0,5 of a percentage point) and the furniture and other manufacturing division (-0,3 of a percentage point) (see Table B).

The estimated manufacturing production for August 2009 was 15,0% lower than August 2008.

The 15,0% decrease in manufacturing production in August 2009 compared to August 2008 was evident in all ten manufacturing divisions. The biggest impact came from decreases in the divisions basic iron and steel, non-ferrous metal products, metal products and machinery (-20,7% and contributing -4,6 percentage points), petroleum, chemical products, rubber and plastic products (-13,1% and contributing -3,1 percentage points) and motor vehicles, parts and accessories and other transport equipment (-23,8% and contributing -2,5 percentage points) (see Table 4b).

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

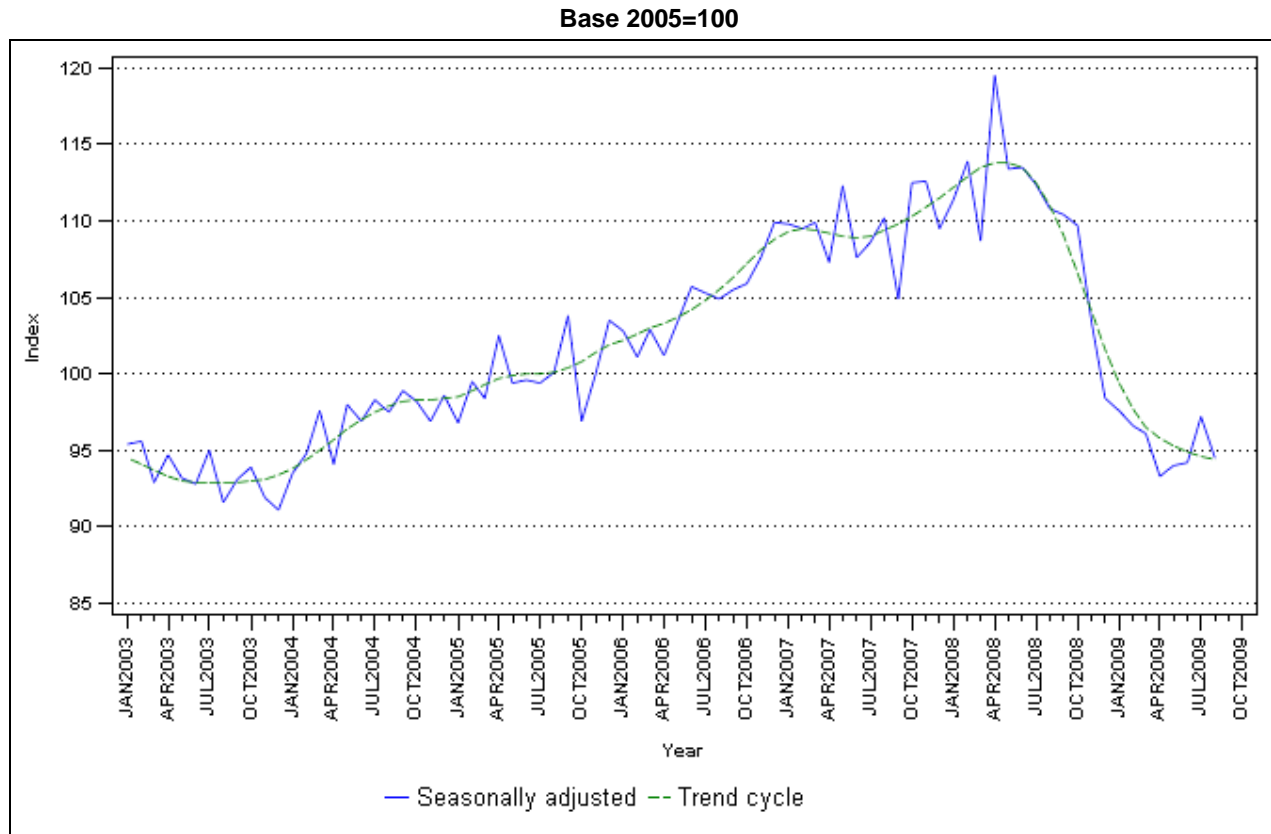
Base 2005=100

Manufacturing divisions and major groups	Percentage contribution to total manufacturing production using the weights according to the large sample survey (LSS) of the manufacturing industry, 2005	Average seasonally adjusted production index for March to May 2009	Average seasonally adjusted production index for June to August 2009	Quarterly percentage change of June to August 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	109,2	111,9	2,5	0,4
-Food and food products	8,6	106,9	110,8	3,6	0,4
-Beverages	6,8	112,1	113,3	1,1	0,1
Textiles, clothing, leather and footwear	4,9	90,0	88,8	-1,3	-0,1
-Textiles	1,6	77,5	72,7	-6,2	-0,1
-Wearing apparel	2,3	99,7	97,9	-1,8	0,0
-Leather and leather products	0,6	75,5	86,4	14,4	0,1
-Footwear	0,4	105,5	102,9	-2,5	0,0
Wood and wood products, paper, publishing and printing	10,2	94,1	89,8	-4,6	-0,5
-Wood and products of wood	2,0	82,9	78,2	-5,7	-0,1
-Paper and paper products	3,8	105,7	99,7	-5,7	-0,2
-Publishing and printing	4,3	88,9	86,3	-2,9	-0,1
Petroleum, chemical products, rubber and plastic products	22,1	103,6	106,0	2,3	0,6
-Coke, petroleum products and nuclear fuel	8,5	93,8	93,0	-0,9	-0,1
-Basic chemicals	4,5	101,9	106,2	4,2	0,2
-Other chemical products	5,3	106,5	109,0	2,3	0,1
-Rubber products	1,0	76,1	73,8	-3,0	0,0
-Plastic products	2,7	141,0	152,7	8,3	0,3
Glass and non-metallic mineral products	4,8	95,6	96,0	0,4	0,0
-Glass and glass products	1,0	119,1	120,5	1,2	0,0
-Non-metallic mineral products	3,8	89,7	89,8	0,1	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	83,1	83,8	0,8	0,2
-Basic iron and steel products	7,7	61,7	72,2	17,0	0,9
-Basic precious, non-ferrous metal products	3,4	94,2	96,0	1,9	0,1
-Fabricated metal products	5,7	106,7	97,3	-8,8	-0,6
-Machinery and equipment	6,1	81,6	78,7	-3,6	-0,2
-Electrical machinery	2,5	122,3	118,8	-2,9	-0,1
Radio, television and communication apparatus and professional equipment	1,1	102,4	100,1	-2,2	0,0
-Radio, television and communication apparatus	0,4	105,2	96,4	-8,4	0,0
-Professional equipment	0,7	100,6	102,4	1,8	0,0
Motor vehicles, parts and accessories and other transport equipment	10,9	73,4	78,3	6,7	0,6
-Motor vehicles, trailers, parts and accessories	10,0	68,7	73,6	7,1	0,5
-Other transport equipment	0,9	122,6	128,0	4,4	0,1
Furniture and other manufacturing division	5,2	95,6	90,8	-5,0	-0,3
-Furniture	1,3	90,2	86,1	-4,5	-0,1
-Other manufacturing groups	3,9	97,5	92,3	-5,3	-0,2
Total	100,0	94,5	95,3	0,8	0,8

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 August 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 August 2009 decreased by 1,6% (-R4 505 million), after seasonal adjustment, compared with the previous three months. Lower manufacturing sales were reported by eight of the ten manufacturing divisions during this period (see Table C).

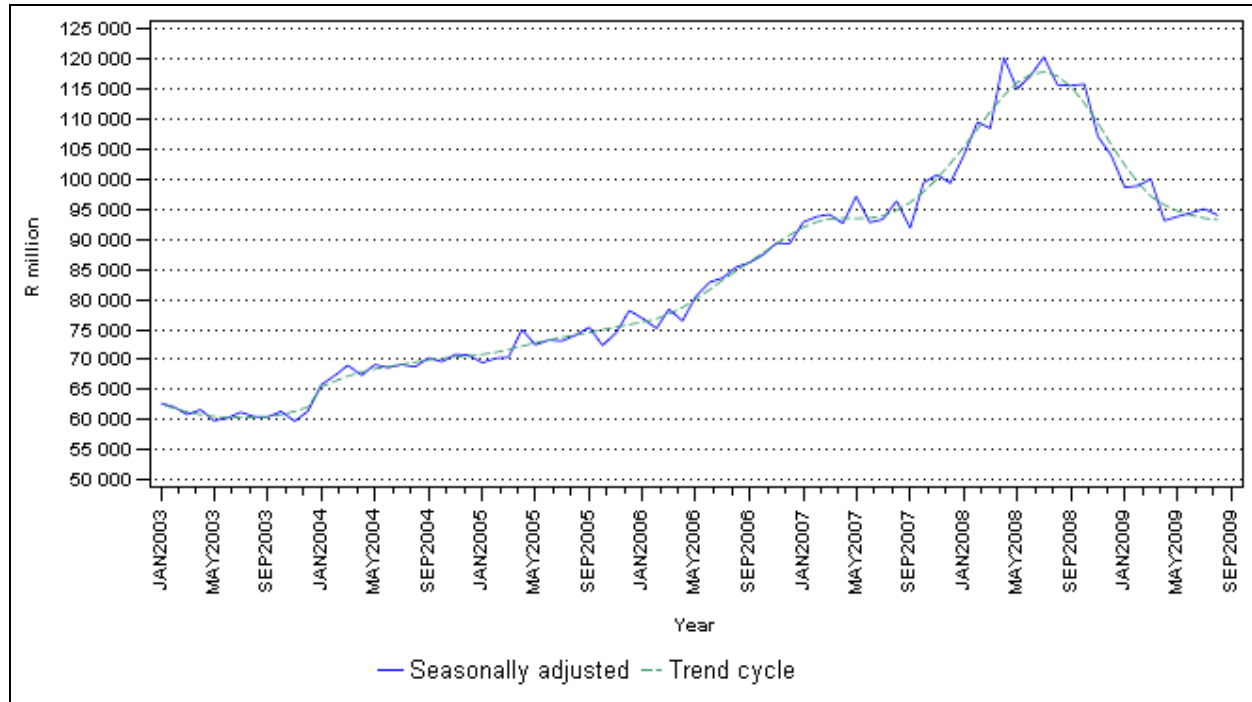
Large decreases were mainly reported for the motor vehicles, parts and accessories and other transport equipment division (-5,7% or -R1 947 million), basic iron and steel, non-ferrous metal products, metal products and machinery division (-3,6% or -R2 025 million) and the wood and wood products, paper, publishing and printing division (-3,2% or -R823 million). The petroleum, chemical products, rubber and plastic products division recorded growth of 3,0% in sales (R1 972 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 March to May 2009	Seasonally adjusted sales June to August 2009	Percentage change between March to May and June to August 2009	Difference in seasonally adjusted sales of manufacturing divisions between March to May and June to August 2009
	R '000	R '000		R '000
Food and beverages	59 698 636	59 273 239	-0,7	-425 397
-Food and food products	45 681 465	44 863 462	-1,8	-818 003
-Beverages	14 017 172	14 409 774	2,8	392 602
Textiles, clothing, leather and footwear	9 776 302	9 678 671	-1,0	-97 631
-Textiles	3 884 884	3 796 957	-2,3	-87 927
-Wearing apparel	4 101 780	4 009 815	-2,2	-91 965
-Leather and leather products	910 230	982 756	8,0	72 526
-Footwear	879 410	889 145	1,1	9 735
Wood and wood products, paper, publishing and printing	25 794 965	24 971 689	-3,2	-823 276
-Wood and products of wood	5 542 051	5 328 934	-3,8	-213 117
-Paper and paper products	11 623 391	11 086 740	-4,6	-536 651
-Publishing and printing	8 629 523	8 556 015	-0,9	-73 508
Petroleum, chemical products, rubber and plastic products	64 816 196	66 788 566	3,0	1 972 370
-Coke, petroleum products and nuclear fuel	21 645 547	24 121 253	11,4	2 475 706
-Basic chemicals	13 348 769	12 052 068	-9,7	-1 296 701
-Other chemical products	15 927 104	16 107 020	1,1	179 916
-Rubber products	3 050 161	3 003 016	-1,5	-47 145
-Plastic products	10 844 614	11 505 209	6,1	660 595
Glass and non-metallic mineral products	8 872 742	8 823 173	-0,6	-49 569
-Glass and glass products	1 558 081	1 597 107	2,5	39 026
-Non-metallic mineral products	7 314 661	7 226 065	-1,2	-88 596
Basic iron and steel, non-ferrous metal products, metal products and machinery	56 123 064	54 097 723	-3,6	-2 025 341
-Basic iron and steel products	18 718 708	18 665 868	-0,3	-52 840
-Basic precious, non-ferrous metal products	7 919 577	7 351 604	-7,2	-567 973
-Fabricated metal products	15 282 523	14 285 339	-6,5	-997 184
-Machinery and equipment	14 202 258	13 794 911	-2,9	-407 347
-Electrical machinery	9 709 029	9 211 160	-5,1	-497 869
Radio, television and communication apparatus and professional equipment	3 609 851	3 681 989	2,0	72 138
-Radio, television and communication apparatus	1 666 327	1 621 367	-2,7	-44 960
-Professional equipment	1 943 524	2 060 623	6,0	117 099
Motor vehicles, parts and accessories and other transport equipment	34 392 278	32 445 460	-5,7	-1 946 818
-Motor vehicles, trailers, parts and accessories	30 294 099	28 294 425	-6,6	-1 999 674
-Other transport equipment	4 098 179	4 151 035	1,3	52 856
Furniture and other manufacturing division	14 337 660	13 654 334	-4,8	-683 326
-Furniture	2 793 269	2 700 130	-3,3	-93 139
-Other manufacturing groups	11 544 391	10 954 203	-5,1	-590 188
Total	287 130 725	282 626 002	-1,6	-4 504 723

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

Figure 2 – Total estimated 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	87,5
May	93,8	98,7	100,3	104,2	113,2	114,3	94,5
Jun	93,4	97,6	100,1	106,6	108,9	115,1	1/ 95,5
Jul	96,5	100,0	100,9	107,4	111,1	115,3	1/ 99,7
Aug	93,9	100,3	103,3	108,7	114,4	115,0	1/ 97,8
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	-21,7
May	-	5,2	1,6	3,9	8,6	1,0	-17,3
Jun	-	4,5	2,6	6,5	2,2	5,7	-17,0
Jul	-	3,6	0,9	6,4	3,4	3,8	-13,5
Aug	-	6,8	3,0	5,2	5,2	0,5	-15,0
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

Base 2005 = 100

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

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	Actual indices			Seasonally adjusted indices		
			August 2008	1/ July 2009	1/ August 2009	August 2008	July 2009	August 2009
Food and beverages	15,4	109,6	110,7	114,6	110,3	109,0	117,0	108,2
-Meat, fish, fruit, etc.	1,8	108,7	104,8	105,1	104,2	107,1	107,2	106,6
-Dairy products	0,8	110,9	107,3	105,8	109,0	109,2	113,8	111,1
-Grain mill products	0,8	108,6	107,0	112,4	104,6	107,5	109,7	105,6
-Other food products	5,2	105,3	117,8	131,4	124,7	101,3	124,2	107,2
-Beverages	6,8	113,1	107,7	105,6	101,8	115,5	115,4	109,3
Textiles, clothing, leather and footwear	4,9	104,8	109,4	91,7	90,7	104,6	90,4	86,9
-Textiles	0,7	90,5	96,0	70,7	63,0	92,5	68,2	60,7
-Other textile products	0,9	99,6	107,3	79,7	81,7	101,6	79,5	76,9
-Knitted, crocheted articles	0,2	112,1	108,7	110,6	94,1	108,8	109,2	94,7
-Wearing apparel	2,1	110,5	111,7	97,5	100,8	106,8	96,7	96,9
-Leather and leather products	0,6	101,3	106,2	87,4	82,6	108,0	88,1	84,2
-Footwear	0,4	111,6	128,2	120,6	113,9	112,8	114,2	100,2
Wood and wood products, paper, publishing and printing	10,2	108,3	111,4	90,1	91,0	108,4	90,3	88,6
-Sawmilling and planing of wood	0,7	95,7	96,6	80,5	74,5	92,6	76,6	71,4
-Products of wood	1,3	103,5	107,2	85,5	86,4	99,1	82,6	79,9
-Paper and paper products	3,8	121,8	125,5	98,3	101,5	122,8	98,1	99,5
-Publishing	1,9	105,9	104,9	86,5	85,3	104,6	88,5	85,2
-Printing, recorded media	2,5	95,5	100,7	85,3	86,2	98,1	87,4	83,6
Petroleum, chemical products, rubber and plastic products	22,1	117,9	123,3	113,5	107,1	119,9	109,2	104,3
-Coke, petroleum products and nuclear fuel	8,5	95,8	103,1	103,3	85,4	105,0	96,3	87,5
-Basic chemicals	4,5	152,5	157,3	112,1	116,1	145,0	109,3	106,7
-Other chemical products	5,3	119,2	120,6	113,7	109,9	118,8	113,5	108,2
-Rubber products	1,0	91,0	97,0	81,0	77,1	90,5	75,2	72,1
-Plastic products	2,7	137,3	144,5	158,7	165,3	137,5	153,6	157,1
Glass and non-metallic mineral products	4,8	110,4	112,5	102,4	99,9	108,7	96,1	96,9
-Glass and glass products	1,0	123,1	122,6	118,8	120,9	123,6	120,0	122,0
-Non-metallic mineral products	3,8	107,2	110,0	98,3	94,6	105,0	90,1	90,6
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	105,6	112,6	87,0	89,3	107,4	83,7	85,0
-Basic iron and steel products	7,7	94,8	113,2	70,3	83,6	107,3	68,4	78,6
-Non-ferrous metal products	3,4	102,8	103,2	100,4	94,6	100,4	98,8	91,9
-Structural metal products	2,0	124,2	127,1	104,3	95,2	122,9	97,6	92,1
-Other fabricated metal products	3,8	125,8	126,5	111,5	99,1	122,2	101,9	96,1
-General purpose machinery	2,4	93,4	94,1	73,0	75,5	88,4	71,0	70,7
-Special purpose machinery	3,1	108,8	110,4	81,0	90,9	102,6	80,3	84,4
-Household appliances	0,6	104,4	110,5	99,9	96,6	105,7	99,7	92,7
Electrical machinery	2,5	124,9	135,0	132,7	121,3	128,5	128,4	115,4
Radio, television and communication apparatus and professional equipment	1,1	106,0	105,6	107,5	98,9	105,8	103,5	99,0
-Radio, television and communication apparatus	0,4	117,6	117,1	104,4	96,5	117,0	98,4	96,2
-Professional equipment	0,7	98,6	98,3	109,5	100,5	98,6	106,8	100,8
Motor vehicles, parts and accessories and other transport equipment	10,9	105,8	109,3	87,4	83,3	100,6	82,3	77,3
-Motor vehicles	4,9	99,7	105,8	73,2	63,3	94,9	66,9	57,1
-Bodies for motor vehicles, trailers and semi-trailers	0,5	151,1	162,0	118,6	105,8	148,3	111,5	96,4
-Parts and accessories	4,7	105,4	107,5	92,7	92,6	99,7	87,6	85,9
-Other transport equipment	0,9	116,9	110,7	119,6	129,3	111,6	120,9	129,8
Furniture and other manufacturing division	5,2	118,2	122,7	85,5	96,5	119,2	83,8	95,2
-Furniture	1,3	106,3	110,8	91,1	85,3	108,2	86,4	83,5
-Other manufacturing groups	3,9	122,2	126,7	83,6	100,3	122,9	82,9	99,0
Total	100,0	110,6	115,0	99,7	97,8	110,8	97,2	94,5

1/ Preliminary.

Table 4b – Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups (concluded)

Base 2005 = 100

Manufacturing divisions and major groups	Weights	Year 2008	Actual indices			Seasonally adjusted indices		
			August 2008	1/ August 2009	Percentage change between August 2008 and August 2009	July 2009	August 2009	Percentage change between July and August 2009
Food and beverages	15,4	109,6	110,7	110,3	-0,4	117,0	108,2	-7,5
-Meat, fish, fruit, etc.	1,8	108,7	104,8	104,2	-0,6	107,2	106,6	-0,6
-Dairy products	0,8	110,9	107,3	109,0	1,6	113,8	111,1	-2,4
-Grain mill products	0,8	108,6	107,0	104,6	-2,2	109,7	105,6	-3,7
-Other food products	5,2	105,3	117,8	124,7	5,9	124,2	107,2	-13,7
-Beverages	6,8	113,1	107,7	101,8	-5,5	115,4	109,3	-5,3
Textiles, clothing, leather and footwear	4,9	104,8	109,4	90,7	-17,1	90,4	86,9	-3,9
-Textiles	0,7	90,5	96,0	63,0	-34,4	68,2	60,7	-11,0
-Other textile products	0,9	99,6	107,3	81,7	-23,9	79,5	76,9	-3,3
-Knitted, crocheted articles	0,2	112,1	108,7	94,1	-13,4	109,2	94,7	-13,3
-Wearing apparel	2,1	110,5	111,7	100,8	-9,8	96,7	96,9	0,2
-Leather and leather products	0,6	101,3	106,2	82,6	-22,2	88,1	84,2	-4,4
-Footwear	0,4	111,6	128,2	113,9	-11,2	114,2	100,2	-12,3
Wood and wood products, paper, publishing and printing	10,2	108,3	111,4	91,0	-18,3	90,3	88,6	-1,9
-Sawmilling and planing of wood	0,7	95,7	96,6	74,5	-22,9	76,6	71,4	-6,8
-Products of wood	1,3	103,5	107,2	86,4	-19,4	82,6	79,9	-3,3
-Paper and paper products	3,8	121,8	125,5	101,5	-19,1	98,1	99,5	1,4
-Publishing	1,9	105,9	104,9	85,3	-18,7	88,5	85,2	-3,7
-Printing, recorded media	2,5	95,5	100,7	86,2	-14,4	87,4	83,6	-4,3
Petroleum, chemical products, rubber and plastic products	22,1	117,9	123,3	107,1	-13,1	109,2	104,3	-4,5
-Coke, petroleum products and nuclear fuel	8,5	95,8	103,1	85,4	-17,2	96,3	87,5	-9,1
-Basic chemicals	4,5	152,5	157,3	116,1	-26,2	109,3	106,7	-2,4
-Other chemical products	5,3	119,2	120,6	109,9	-8,9	113,5	108,2	-4,7
-Rubber products	1,0	91,0	97,0	77,1	-20,5	75,2	72,1	-4,1
-Plastic products	2,7	137,3	144,5	165,3	14,4	153,6	157,1	2,3
Glass and non-metallic mineral products	4,8	110,4	112,5	99,9	-11,2	96,1	96,9	0,8
-Glass and glass products	1,0	123,1	122,6	120,9	-1,4	120,0	122,0	1,7
-Non-metallic mineral products	3,8	107,2	110,0	94,6	-14,0	90,1	90,6	0,6
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	105,6	112,6	89,3	-20,7	83,7	85,0	1,6
-Basic iron and steel products	7,7	94,8	113,2	83,6	-26,1	68,4	78,6	14,9
-Non-ferrous metal products	3,4	102,8	103,2	94,6	-8,3	98,8	91,9	-7,0
-Structural metal products	2,0	124,2	127,1	95,2	-25,1	97,6	92,1	-5,6
-Other fabricated metal products	3,8	125,8	126,5	99,1	-21,7	101,9	96,1	-5,7
-General purpose machinery	2,4	93,4	94,1	75,5	-19,8	71,0	70,7	-0,4
-Special purpose machinery	3,1	108,8	110,4	90,9	-17,7	80,3	84,4	5,1
-Household appliances	0,6	104,4	110,5	96,6	-12,6	99,7	92,7	-7,0
-Electrical machinery	2,5	124,9	135,0	121,3	-10,1	128,4	115,4	-10,1
Radio, television and communication apparatus and professional equipment	1,1	106,0	105,6	98,9	-6,3	103,5	99,0	-4,3
-Radio, television and communication apparatus	0,4	117,6	117,1	96,5	-17,6	98,4	96,2	-2,2
-Professional equipment	0,7	98,6	98,3	100,5	2,2	106,8	100,8	-5,6
Motor vehicles, parts and accessories and other transport equipment	10,9	105,8	109,3	83,3	-23,8	82,3	77,3	-6,1
-Motor vehicles	4,9	99,7	105,8	63,3	-40,2	66,9	57,1	-14,6
-Bodies for motor vehicles, trailers and semi-trailers	0,5	151,1	162,0	105,8	-34,7	111,5	96,4	-13,5
-Parts and accessories	4,7	105,4	107,5	92,6	-13,9	87,6	85,9	-1,9
-Other transport equipment	0,9	116,9	110,7	129,3	16,8	120,9	129,8	7,4
Furniture and other manufacturing division	5,2	118,2	122,7	96,5	-21,4	83,8	95,2	13,6
-Furniture	1,3	106,3	110,8	85,3	-23,0	86,4	83,5	-3,4
-Other manufacturing groups	3,9	122,2	126,7	100,3	-20,8	82,9	99,0	19,4
Total	100,0	110,6	115,0	97,8	-15,0	97,2	94,5	-2,8

1/ Preliminary.

Table 5 – Total estimated sales of the manufacturing industry at current prices (R'000): 2003 - 2009

Month	2003	2004	2005	2006	2007	2008	2009
Jan	55 009 733	55 702 288	58 705 257	64 904 290	78 599 468	88 223 092	83 315 861
Feb	62 776 744	65 027 262	67 592 645	72 163 648	89 769 884	104 338 982	94 452 035
Mar	65 353 365	70 936 530	72 099 488	80 114 612	96 207 130	110 254 490	101 729 244
Apr	61 106 613	63 759 248	70 718 822	71 780 033	86 839 371	112 640 753	87 148 078
May	62 771 090	69 557 193	72 750 078	80 692 987	97 573 896	115 671 466	93 686 610
Jun	63 469 656	69 338 797	74 062 607	84 011 510	94 620 631	120 138 492	1/ 95 271 113
Jul	63 959 307	69 855 977	74 136 551	85 136 537	95 460 248	123 799 542	1/ 97 269 673
Aug	63 943 780	70 632 321	76 550 034	88 805 047	100 791 378	121 886 864	1/ 98 389 259
Sep	65 542 853	73 800 845	79 380 270	90 800 328	96 560 089	121 355 165	
Oct	70 264 798	76 370 559	79 431 755	96 059 766	109 274 819	127 291 387	
Nov	68 981 595	78 717 134	82 992 688	99 301 579	111 717 168	118 691 642	
Dec	58 390 098	64 304 382	70 482 179	79 607 355	88 372 560	93 232 454	
Year	761 569 632	828 002 536	878 902 374	993 377 692	1 145 786 642	1 357 524 329	

1/ Preliminary.

Table 6 – Annual percentage change in the total estimated sales of the manufacturing industry: 2003 - 2009

Month	2003	2004	2005	2006	2007	2008	2009
Jan	-	1,3	5,4	10,6	21,1	12,2	-5,6
Feb	-	3,6	3,9	6,8	24,4	16,2	-9,5
Mar	-	8,5	1,6	11,1	20,1	14,6	-7,7
Apr	-	4,3	10,9	1,5	21,0	29,7	-22,6
May	-	10,8	4,6	10,9	20,9	18,5	-19,0
Jun	-	9,2	6,8	13,4	12,6	27,0	-20,7
Jul	-	9,2	6,1	14,8	12,1	29,7	-21,4
Aug	-	10,5	8,4	16,0	13,5	20,9	-19,3
Sep	-	12,6	7,6	14,4	6,3	25,7	
Oct	-	8,7	4,0	20,9	13,8	16,5	
Nov	-	14,1	5,4	19,7	12,5	6,2	
Dec	-	10,1	9,6	12,9	11,0	5,5	
Year	-	8,7	6,1	13,0	15,3	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 at current prices (R'000): 2003 - 2009

Month	2003	2004	2005	2006	2007	2008	2009
Jan	65 248 302	65 846 504	69 488 329	76 816 436	92 898 102	104 008 914	98 660 568
Feb	64 781 160	67 389 227	70 250 016	75 192 067	93 796 063	109 512 447	98 905 264
Mar	63 320 031	69 084 746	70 369 861	78 390 386	94 177 706	108 473 210	100 106 539
Apr	64 692 081	67 384 439	75 047 463	76 510 184	92 849 067	120 627 535	93 316 895
May	62 358 904	69 166 860	72 441 572	80 450 873	97 072 576	114 842 879	93 707 291
Jun	62 764 643	68 679 401	73 265 000	82 895 364	92 938 174	117 554 451	93 651 970
Jul	63 657 367	69 153 563	73 039 229	83 465 365	93 163 814	119 908 637	94 874 578
Aug	62 640 415	68 807 023	74 108 326	85 435 913	96 463 444	115 843 495	94 099 454
Sep	62 689 490	70 340 918	75 416 506	86 208 395	91 961 720	115 721 231	
Oct	64 048 059	69 644 827	72 373 012	87 452 809	99 449 598	115 885 369	
Nov	62 082 584	70 894 564	74 469 206	89 421 465	100 806 068	107 176 235	
Dec	63 951 231	70 697 411	78 156 529	89 295 486	99 343 228	104 018 245	

Table 8a – Estimated 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		
		August 2008	1/ July 2009	1/ August 2009	August 2008	July 2009	August 2009
Food and beverages	230 362 367	19 596 516	19 766 223	19 335 104	19 712 761	20 267 709	19 464 731
-Meat, fish, fruit, etc.	60 082 160	5 024 161	5 122 019	5 102 824	5 065 543	5 157 845	5 148 894
-Dairy products	19 901 003	1 579 213	1 656 052	1 670 624	1 607 452	1 774 382	1 702 146
-Grain mill products	46 998 257	4 038 534	3 917 974	3 649 344	4 055 567	3 765 067	3 676 095
-Other food products	49 553 173	4 634 455	4 651 287	4 485 829	4 363 404	4 700 494	4 205 852
-Beverages	53 827 774	4 320 153	4 418 891	4 426 483	4 620 796	4 869 920	4 731 743
Textiles, clothing, leather and footwear	43 745 997	3 801 011	3 374 794	3 200 471	3 653 988	3 383 898	3 080 062
-Textiles	6 481 096	569 113	506 983	452 325	551 700	490 031	437 846
-Other textile products	11 665 428	1 051 219	897 257	764 030	991 268	902 202	716 282
-Knitted, crocheted articles	1 768 896	145 933	141 953	120 387	144 633	145 504	119 390
-Wearing apparel	15 973 282	1 338 685	1 188 407	1 223 018	1 296 603	1 202 237	1 191 792
-Leather and leather products	4 318 960	371 782	330 263	323 665	366 482	336 182	318 408
-Footwear	3 538 335	324 279	309 931	317 046	303 302	307 743	296 345
Wood and wood products, paper, publishing and printing	110 137 969	9 617 827	8 308 403	8 314 892	9 369 906	8 299 487	8 104 193
-Sawmilling and planing of wood	7 896 405	688 727	580 658	561 094	654 238	554 221	532 989
-Products of wood	17 742 096	1 507 457	1 278 745	1 302 352	1 398 729	1 251 667	1 210 020
-Paper and paper products	48 951 809	4 316 457	3 620 182	3 611 093	4 254 513	3 594 362	3 563 862
-Publishing	14 592 803	1 238 221	1 110 099	1 123 311	1 229 529	1 134 201	1 116 942
-Printing, recorded media	20 954 856	1 866 965	1 718 719	1 717 042	1 832 897	1 765 035	1 680 380
Petroleum, chemical products, rubber and plastic products	316 559 125	29 717 731	22 921 703	24 512 656	27 485 014	21 948 346	22 746 965
-Coke, petroleum products and nuclear fuel	125 107 924	13 074 586	8 372 086	9 900 294	11 428 707	7 680 149	8 621 558
-Basic chemicals	74 181 951	6 369 006	3 958 965	4 261 676	5 971 341	3 876 539	3 971 161
-Other chemical products	64 081 392	5 537 752	5 575 968	5 299 627	5 497 122	5 502 624	5 253 566
-Rubber products	13 079 823	1 183 939	1 090 458	1 001 884	1 145 360	1 027 915	970 411
-Plastic products	40 108 035	3 552 448	3 924 226	4 049 175	3 442 484	3 861 119	3 930 269
Glass and non-metallic mineral products	37 229 204	3 328 448	3 205 013	3 092 579	3 110 373	3 041 397	2 894 185
-Glass and glass products	6 211 863	537 134	510 153	538 762	517 684	529 226	521 572
-Non-metallic mineral products	31 017 341	2 791 314	2 694 860	2 553 817	2 592 690	2 512 170	2 372 614
Basic iron and steel, non-ferrous metal products, metal products and machinery	310 428 978	29 009 815	19 163 985	19 770 232	27 132 632	18 179 089	18 481 775
-Basic iron and steel products	131 486 550	13 295 704	6 378 150	7 653 469	12 205 127	5 932 691	6 988 874
-Non-ferrous metal products	43 379 771	3 850 057	2 713 234	2 446 947	3 716 665	2 636 046	2 359 445
-Structural metal products	26 244 171	2 359 501	1 906 919	1 725 173	2 229 492	1 775 329	1 628 667
-Other fabricated metal products	42 385 944	3 795 234	3 487 853	3 108 426	3 588 386	3 205 573	2 939 723
-General purpose machinery	26 166 605	2 341 999	1 832 103	1 925 437	2 202 288	1 777 012	1 803 010
-Special purpose machinery	30 901 023	2 533 723	2 020 489	2 131 392	2 379 672	2 012 641	1 999 235
-Household appliances	9 864 914	833 597	825 237	779 388	811 001	839 797	762 821
-Electrical machinery	41 188 668	3 639 944	3 296 362	3 148 133	3 472 706	3 126 019	3 014 195
Radio, television and communication apparatus and professional equipment	14 956 319	1 260 081	1 278 898	1 239 362	1 233 139	1 278 088	1 209 428
-Radio, television and communication apparatus	7 503 117	625 332	549 345	565 036	615 546	549 168	554 238
-Professional equipment	7 453 202	634 749	729 553	674 326	617 594	728 920	655 191
Motor vehicles, parts and accessories and other transport equipment	192 164 112	16 443 467	11 314 666	11 117 340	15 438 701	10 762 368	10 496 874
-Motor vehicles	96 884 183	8 042 635	5 267 798	5 144 795	7 458 327	4 891 895	4 796 667
-Bodies for motor vehicles, trailers and semi-trailers	8 625 818	795 772	650 139	554 139	716 018	600 655	497 310
-Parts and accessories	71 341 166	6 329 965	4 087 826	3 997 182	5 998 189	3 965 404	3 796 856
-Other transport equipment	15 312 945	1 275 095	1 308 903	1 421 224	1 266 167	1 304 414	1 406 041
Furniture and other manufacturing division	60 751 590	5 472 024	4 639 626	4 658 490	5 234 274	4 588 179	4 607 045
-Furniture	12 491 467	1 088 684	949 601	890 348	1 077 454	900 552	884 458
-Other manufacturing groups	48 260 123	4 383 340	3 690 025	3 768 142	4 156 820	3 687 627	3 722 586
Total	1 357 524 329	121 886 864	97 269 673	98 389 259	115 843 495	94 874 578	94 099 454

1/ Preliminary.

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

Manufacturing divisions and major groups	Year 2008	Actual values			Seasonally adjusted values		
		August 2008	1/ August 2009	Percentage change between August 2008 and August 2009	July 2009	August 2009	Percentage change between July and August 2009
Food and beverages	230 362 367	19 596 516	19 335 104	-1,3	20 267 709	19 464 731	-4,0
-Meat, fish, fruit, etc.	60 082 160	5 024 161	5 102 824	1,6	5 157 845	5 148 894	-0,2
-Dairy products	19 901 003	1 579 213	1 670 624	5,8	1 774 382	1 702 146	-4,1
-Grain mill products	46 998 257	4 038 534	3 649 344	-9,6	3 765 067	3 676 095	-2,4
-Other food products	49 553 173	4 634 455	4 485 829	-3,2	4 700 494	4 205 852	-10,5
-Beverages	53 827 774	4 320 153	4 426 483	2,5	4 869 920	4 731 743	-2,8
Textiles, clothing, leather and footwear	43 745 997	3 801 011	3 200 471	-15,8	3 383 898	3 080 062	-9,0
-Textiles	6 481 096	569 113	452 325	-20,5	490 031	437 846	-10,6
-Other textile products	11 665 428	1 051 219	764 030	-27,3	902 202	716 282	-20,6
-Knitted, crocheted articles	1 768 896	145 933	120 387	-17,5	145 504	119 390	-17,9
-Wearing apparel	15 973 282	1 338 685	1 223 018	-8,6	1 202 237	1 191 792	-0,9
-Leather and leather products	4 318 960	371 782	323 665	-12,9	336 182	318 408	-5,3
-Footwear	3 538 335	324 279	317 046	-2,2	307 743	296 345	-3,7
Wood and wood products, paper, publishing and printing	110 137 969	9 617 827	8 314 892	-13,5	8 299 487	8 104 193	-2,4
-Sawmilling and planing of wood	7 896 405	688 727	561 094	-18,5	554 221	532 989	-3,8
-Products of wood	17 742 096	1 507 457	1 302 352	-13,6	1 251 667	1 210 020	-3,3
-Paper and paper products	48 951 809	4 316 457	3 611 093	-16,3	3 594 362	3 563 862	-0,8
-Publishing	14 592 803	1 238 221	1 123 311	-9,3	1 134 201	1 116 942	-1,5
-Printing, recorded media	20 954 856	1 866 965	1 717 042	-8,0	1 765 035	1 680 380	-4,8
Petroleum, chemical products, rubber and plastic products	316 559 125	29 717 731	24 512 656	-17,5	21 948 346	22 746 965	3,6
-Coke, petroleum products and nuclear fuel	125 107 924	13 074 586	9 900 294	-24,3	7 680 149	8 621 558	12,3
-Basic chemicals	74 181 951	6 369 006	4 261 676	-33,1	3 876 539	3 971 161	2,4
-Other chemical products	64 081 392	5 537 752	5 299 627	-4,3	5 502 624	5 253 566	-4,5
-Rubber products	13 079 823	1 183 939	1 001 884	-15,4	1 027 915	970 411	-5,6
-Plastic products	40 108 035	3 552 448	4 049 175	14,0	3 861 119	3 930 269	1,8
Glass and non-metallic mineral products	37 229 204	3 328 448	3 092 579	-7,1	3 041 397	2 894 185	-4,8
-Glass and glass products	6 211 863	537 134	538 762	0,3	529 226	521 572	-1,4
-Non-metallic mineral products	31 017 341	2 791 314	2 553 817	-8,5	2 512 170	2 372 614	-5,6
Basic iron and steel, non-ferrous metal products, metal products and machinery	310 428 978	29 009 815	19 770 232	-31,8	18 179 089	18 481 775	1,7
-Basic iron and steel products	131 486 550	13 295 704	7 653 469	-42,4	5 932 691	6 988 874	17,8
-Non-ferrous metal products	43 379 771	3 850 057	2 446 947	-36,4	2 636 046	2 359 445	-10,5
-Structural metal products	26 244 171	2 359 501	1 725 173	-26,9	1 775 329	1 628 667	-8,3
-Other fabricated metal products	42 385 944	3 795 234	3 108 426	-18,1	3 205 573	2 939 723	-8,3
-General purpose machinery	26 166 605	2 341 999	1 925 437	-17,8	1 777 012	1 803 010	1,5
-Special purpose machinery	30 901 023	2 533 723	2 131 392	-15,9	2 012 641	1 999 235	-0,7
-Household appliances	9 864 914	833 597	779 388	-6,5	839 797	762 821	-9,2
-Electrical machinery	41 188 668	3 639 944	3 148 133	-13,5	3 126 019	3 014 195	-3,6
Radio, television and communication apparatus and professional equipment	14 956 319	1 260 081	1 239 362	-1,6	1 278 088	1 209 428	-5,4
-Radio, television and communication apparatus	7 503 117	625 332	565 036	-9,6	549 168	554 238	0,9
-Professional equipment	7 453 202	634 749	674 326	6,2	728 920	655 191	-10,1
Motor vehicles, parts and accessories and other transport equipment	192 164 112	16 443 467	11 117 340	-32,4	10 762 368	10 496 874	-2,5
-Motor vehicles	96 884 183	8 042 635	5 144 795	-36,0	4 891 895	4 796 667	-1,9
-Bodies for motor vehicles, trailers and semi-trailers	8 625 818	795 772	554 139	-30,4	600 655	497 310	-17,2
-Parts and accessories	71 341 166	6 329 965	3 997 182	-36,9	3 965 404	3 796 856	-4,3
-Other transport equipment	15 312 945	1 275 095	1 421 224	11,5	1 304 414	1 406 041	7,8
Furniture and other manufacturing division	60 751 590	5 472 024	4 658 490	-14,9	4 588 179	4 607 045	0,4
-Furniture	12 491 467	1 088 684	890 348	-18,2	900 552	884 458	-1,8
-Other manufacturing groups	48 260 123	4 383 340	3 768 142	-14,0	3 687 627	3 722 586	0,9
Total	1 357 524 329	121 886 864	98 389 259	-19,3	94 874 578	94 099 454	-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 estimated value of sales according to manufacturing divisions and major groups

Manufacturing divisions and major groups	Weights	Production indices (base 2005=100)			Value of sales (R '000)		
		June to August 2008	June to August 2009	Annual percentage change between June to August 2008 and June to August 2009	June to August 2008	June to August 2009	Annual percentage change between June to August 2008 and June to August 2009
Food and beverages	15,4	109,3	111,5	2,0	57 879 287	58 444 539	1,0
-Meat, fish, fruit, etc.	1,8	107,8	105,7	-1,9	15 311 406	15 485 101	1,1
-Dairy products	0,8	104,4	103,0	-1,3	4 759 592	4 824 852	1,4
-Grain mill products	0,8	110,7	109,7	-0,9	12 367 809	11 451 168	-7,4
-Other food products	5,2	115,8	125,2	8,1	12 951 400	13 415 076	3,6
-Beverages	6,8	105,1	103,7	-1,3	12 489 080	13 268 342	6,2
Textiles, clothing, leather and footwear	4,9	104,9	90,0	-14,2	11 020 510	9 770 958	-11,3
-Textiles	0,7	93,5	70,7	-24,4	1 697 074	1 485 070	-12,5
-Other textile products	0,9	102,5	79,5	-22,4	3 012 430	2 441 456	-19,0
-Knitted, crocheted articles	0,2	114,5	103,8	-9,3	452 718	403 848	-10,8
-Wearing apparel	2,1	106,6	96,8	-9,2	3 892 160	3 570 194	-8,3
-Leather and leather products	0,6	102,0	86,3	-15,4	1 078 350	981 262	-9,0
-Footwear	0,4	119,7	109,2	-8,8	887 778	889 128	0,2
Wood and wood products, paper, publishing and printing	10,2	109,4	90,7	-17,1	28 099 299	25 341 610	-9,8
-Sawmilling and planing of wood	0,7	98,7	74,8	-24,2	2 082 823	1 669 152	-19,9
-Products of wood	1,3	106,5	87,3	-18,0	4 554 860	3 950 864	-13,3
-Paper and paper products	3,8	125,2	101,8	-18,7	12 644 795	11 327 602	-10,4
-Publishing	1,9	104,3	86,4	-17,2	3 656 003	3 366 109	-7,9
-Printing, recorded media	2,5	93,5	83,2	-11,0	5 160 818	5 027 883	-2,6
Petroleum, chemical products, rubber and plastic products	22,1	124,4	108,9	-12,5	89 202 794	69 690 396	-21,9
-Coke, petroleum products and nuclear fuel	8,5	102,9	95,5	-7,2	39 046 566	26 235 668	-32,8
-Basic chemicals	4,5	162,9	110,6	-32,1	19 980 351	12 511 318	-37,4
-Other chemical products	5,3	121,6	109,7	-9,8	16 321 778	16 137 965	-1,1
-Rubber products	1,0	97,2	77,9	-19,9	3 497 827	3 130 577	-10,5
-Plastic products	2,7	142,7	157,5	10,4	10 356 272	11 674 868	12,7
Glass and non-metallic mineral products	4,8	111,1	100,0	-10,0	9 683 880	9 267 463	-4,3
-Glass and glass products	1,0	117,0	120,2	2,7	1 498 119	1 595 702	6,5
-Non-metallic mineral products	3,8	109,7	95,0	-13,4	8 185 761	7 671 761	-6,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	113,1	86,9	-23,2	87 516 706	57 078 682	-34,8
-Basic iron and steel products	7,7	110,4	75,5	-31,6	40 251 116	20 344 290	-49,5
-Non-ferrous metal products	3,4	101,2	96,9	-4,2	11 448 318	7 524 371	-34,3
-Structural metal products	2,0	132,9	100,7	-24,2	7 156 402	5 440 952	-24,0
-Other fabricated metal products	3,8	135,6	104,2	-23,2	11 643 076	9 749 611	-16,3
-General purpose machinery	2,4	95,9	72,7	-24,2	6 880 465	5 589 721	-18,8
-Special purpose machinery	3,1	107,8	83,1	-22,9	7 724 434	6 071 920	-21,4
-Household appliances	0,6	103,2	96,5	-6,5	2 412 895	2 357 817	-2,3
Electrical machinery	2,5	129,7	122,3	-5,7	10 955 601	9 557 391	-12,8
Radio, television and communication apparatus and professional equipment	1,1	109,7	102,9	-6,2	3 832 332	3 773 059	-1,5
-Radio, television and communication apparatus	0,4	124,0	100,1	-19,3	1 932 031	1 659 384	-14,1
-Professional equipment	0,7	100,6	104,7	4,1	1 900 301	2 113 675	11,2
Motor vehicles, parts and accessories and other transport equipment	10,9	111,7	82,6	-26,1	50 790 374	34 044 182	-33,0
-Motor vehicles	4,9	106,4	64,9	-39,0	24 977 633	15 985 840	-36,0
-Bodies for motor vehicles, trailers and semi-trailers	0,5	167,6	105,2	-37,2	2 390 774	1 711 287	-28,4
-Parts and accessories	4,7	111,1	88,7	-20,2	19 481 289	11 975 695	-38,5
-Other transport equipment	0,9	115,3	133,2	15,5	3 940 678	4 371 360	10,9
Furniture and other manufacturing division	5,2	127,8	94,1	-26,4	16 844 115	13 961 765	-17,1
-Furniture	1,3	111,3	88,2	-20,8	3 231 491	2 751 809	-14,8
-Other manufacturing groups	3,9	133,4	96,1	-28,0	13 612 624	11 209 956	-17,7
Total	100,0	115,1	97,7	-15,1	365 824 898	290 930 045	-20,5

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

Manufacturing divisions and major groups	Weights	Production indices (base 2005=100)				Value of sales (R million)			
		Jan. to Aug. 2008	Jan. to Aug. 2009	Annual percentage change between 2008 and 2009	Contribution (percentage points)	Jan. to Aug. 2008	Jan. to Aug. 2009	Annual percentage change between 2008 and 2009	Difference in sales between 2008 and 2009
Food and beverages	15,4	104,5	105,6	1,1	0,2	144 491	152 659	5,7	8 168
-Meat, fish, fruit, etc.	1,8	108,2	105,0	-3,0	-0,1	38 127	40 580	6,4	2 453
-Dairy products	0,8	106,2	104,3	-1,8	0,0	12 629	12 996	2,9	367
-Grain mill products	0,8	106,9	106,1	-0,7	0,0	29 936	30 136	0,7	200
-Other food products	5,2	102,5	106,5	3,9	0,2	31 258	34 232	9,5	2 974
-Beverages	6,8	104,6	105,2	0,6	0,0	32 541	34 716	6,7	2 175
Textiles, clothing, leather and footwear	4,9	104,2	88,9	-14,7	-0,7	28 600	25 422	-11,1	-3 178
-Textiles	0,7	92,7	76,9	-17,0	-0,1	4 279	4 005	-6,4	-274
-Other textile products	0,9	100,9	77,6	-23,1	-0,2	7 805	6 277	-19,6	-1 528
-Knitted, crocheted articles	0,2	112,9	107,7	-4,6	0,0	1 194	1 131	-5,3	-63
-Wearing apparel	2,1	107,1	96,3	-10,1	-0,2	10 203	9 359	-8,3	-844
-Leather and leather products	0,6	107,9	80,7	-25,2	-0,2	3 000	2 482	-17,3	-518
-Footwear	0,4	106,2	100,7	-5,2	0,0	2 120	2 169	2,3	49
Wood and wood products, paper, publishing and printing	10,2	105,7	91,1	-13,8	-1,3	70 398	66 618	-5,4	-3 780
-Sawmilling and planing of wood	0,7	98,2	73,5	-25,2	-0,2	5 348	4 178	-21,9	-1 170
-Products of wood	1,3	103,4	87,7	-15,2	-0,2	11 608	10 408	-10,3	-1 200
-Paper and paper products	3,8	118,5	102,4	-13,6	-0,6	31 027	29 890	-3,7	-1 137
-Publishing	1,9	103,9	88,5	-14,8	-0,3	9 367	8 972	-4,2	-395
-Printing, recorded media	2,5	90,7	82,3	-9,3	-0,2	13 048	13 170	0,9	122
Petroleum, chemical products, rubber and plastic products	22,1	118,3	104,8	-11,4	-2,7	208 426	174 664	-16,2	-33 762
-Coke, petroleum products and nuclear fuel	8,5	100,1	94,6	-5,5	-0,4	87 606	61 050	-30,3	-26 556
-Basic chemicals	4,5	150,7	104,5	-30,7	-1,9	46 762	34 845	-25,5	-11 917
-Other chemical products	5,3	115,4	107,3	-7,0	-0,4	40 165	41 868	4,2	1 703
-Rubber products	1,0	95,4	78,0	-18,2	-0,1	8 690	8 201	-5,6	-489
-Plastic products	2,7	135,4	142,2	5,0	0,2	25 203	28 700	13,9	3 497
Glass and non-metallic mineral products	4,8	109,8	95,2	-13,3	-0,6	24 244	23 409	-3,4	-835
-Glass and glass products	1,0	114,0	115,8	1,6	0,0	3 746	4 018	7,3	272
-Non-metallic mineral products	3,8	108,7	90,1	-17,1	-0,6	20 498	19 391	-5,4	-1 107
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	109,7	83,0	-24,3	-5,5	211 197	148 167	-29,8	-63 030
-Basic iron and steel products	7,7	105,7	64,3	-39,2	-2,9	94 275	50 080	-46,9	-44 195
-Non-ferrous metal products	3,4	103,1	94,3	-8,5	-0,3	28 408	20 659	-27,3	-7 749
-Structural metal products	2,0	126,3	98,6	-21,9	-0,5	17 243	14 463	-16,1	-2 780
-Other fabricated metal products	3,8	125,9	105,6	-16,1	-0,7	27 444	25 290	-7,8	-2 154
-General purpose machinery	2,4	95,4	71,6	-24,9	-0,5	17 163	14 655	-14,6	-2 508
-Special purpose machinery	3,1	108,6	85,7	-21,1	-0,6	20 237	16 777	-17,1	-3 460
-Household appliances	0,6	103,6	97,5	-5,9	0,0	6 427	6 243	-2,9	-184
-Electrical machinery	2,5	122,4	120,4	-1,6	0,0	27 245	25 112	-7,8	-2 133
Radio, television and communication apparatus and professional equipment	1,1	103,7	96,6	-6,8	-0,1	9 702	9 413	-3,0	-289
-Radio, television and communication apparatus	0,4	114,5	99,2	-13,4	-0,1	4 797	4 223	-12,0	-574
-Professional equipment	0,7	96,8	95,0	-1,9	0,0	4 905	5 190	5,8	285
Motor vehicles, parts and accessories and other transport equipment	10,9	112,3	75,8	-32,5	-3,6	132 146	90 032	-31,9	-42 114
-Motor vehicles	4,9	103,5	64,3	-37,9	-1,7	64 247	43 955	-31,6	-20 292
-Bodies for motor vehicles, trailers and semi-trailers	0,5	152,4	101,7	-33,3	-0,2	5 714	4 310	-24,6	-1 404
-Parts and accessories	4,7	116,8	75,4	-35,4	-1,7	52 267	30 742	-41,2	-21 525
-Other transport equipment	0,9	116,3	125,3	7,7	0,1	9 917	11 024	11,2	1 107
Furniture and other manufacturing division	5,2	116,5	90,9	-22,0	-1,2	40 506	35 765	-11,7	-4 741
-Furniture	1,3	100,8	83,9	-16,8	-0,2	7 708	6 924	-10,2	-784
-Other manufacturing groups	3,9	121,7	93,2	-23,4	-1,0	32 798	28 841	-12,1	-3 957
Total	100,0	111,0	93,7	-15,6	-15,6	896 954	751 262	-16,2	-145 692

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 Business Register (BR), with enhanced coverage of South African businesses (see 4 below). The release contains monthly indices of the physical volume of manufacturing production and monthly value of sales of manufactured products by divisions and major groups within manufacturing.
 - 2 In accordance with international practice, the indices are re-based every five years to a new base year. The base period of the index is 2005. Both estimated and seasonally adjusted figures are presented.
 - 3 In order to improve timeliness, some information for the latest month had to be estimated for respondents who have not reported by the cut-off date for production of results. These estimates will be revised in future statistical releases when their reported information becomes available.
 - 4 As indicated earlier, Stats SA is continuously upgrading its BR, based on units registered for value added tax (VAT) and income tax (IT), obtained from the South African Revenue Service (SARS).
- Purpose of the survey**
- 5 The results of the monthly manufacturing production and sales survey are used to calculate indices of the physical volume of manufacturing production. These indices provide an indicator of the real level of manufacturing activity in the economy. They are used in monitoring the state of the economy and formulation of economic policy. They are also important inputs to estimation of the Gross Domestic Product (GDP).
- Special Data Dissemination Standard of the IMF**
- 6 The data in this statistical release adhere to the Special Data Dissemination Standard (SDDS) of the International Monetary Fund (IMF), which sets out standards on coverage, periodicity and timeliness of data, access by the public, integrity, and quality of the disseminated data.
- Scope of the survey**
- 7 This survey covers manufacturing enterprises, i.e. those conducting activities in -
 - the manufacturing, processing, making or packing of products;
 - the slaughtering of animals, including poultry; and
 - installation, assembly, completion, repair and related work.
- Classification**
- 8 The 1993 edition of the *Standard Industrial Classification of all Economic Activities (SIC)*, Fifth Edition, Report No. 09-90-02, was used to classify the statistical units in the survey. The SIC is based on the 1990 *International Standard Industrial Classification of all Economic Activities (ISIC)* with suitable adaptations for local conditions. 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 August 2009 was 90,8%. Improved response rate for July 2009 was 93,0%.
- 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 3 049 enterprises, which was drawn in April 2009 from a population then of 57 398 manufacturing enterprises. Each manufacturing major group is divided into four size groups. The sample is drawn at the SIC three-digit level. All large enterprises (size group one), are completely enumerated. Simple random sampling is applied for size group two (medium sized) enterprises, and for size groups three and four (small) enterprises. The total value of sales of manufactured products of large enterprises (size group one) in a major group is added to the weighted totals of size groups two, three and four of that major group to reflect the total value of sales of the major group.
 - 13 The calculation of the monthly production indices is based on the value of sales of products and articles manufactured and change in monthly value of stocks of manufactured products, after the effect of price changes has been eliminated through deflation using appropriate indices of the Production Price Index (PPI). For 38 of the 44 major groups in manufacturing, the value of production is calculated from the value of sales and stocks of manufactured products obtained from the monthly survey of manufacturing enterprises.
 - 14 More direct indicators are used for the value of production of tobacco, coke and refined petroleum products, basic iron and steel products, basic precious and non-ferrous metal products, motor vehicles and parts and accessories for motor vehicles. The volume indices for these major groups are calculated on the basis of physical quantities. This method is used by the national statistical agencies of many other countries for petroleum products as the results are considered more satisfactory (mainly because these commodities are relatively homogeneous).
- Weighting methodology**
- 15 For those strata not completely enumerated, the weights to produce estimates are the inverse ratio of the sampling fraction, modified to take account of non-response in the survey. Stratum estimates are calculated and then aggregated with the completely enumerated stratum to form major group and division estimates. These procedures, 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 F 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
- | | |
|----------|---|
| BR | Business Register |
| GDP | Gross Domestic Product |
| ISIC | International Standard Industrial Classification |
| LSS | Large sample survey |
| m | Million |
| SIC | Standard Industrial Classification of all Economic Activities |
| SARS | South African Revenue Service |
| Stats SA | Statistics South Africa |
| VAT | Value added tax |
| * | Revised figures |

Technical notes**26** Neyman optimal allocation

Before drawing a sample in the survey the population of enterprises on the BSF was stratified. Strata were formed using a combination of Standard Industrial Classification variable and the measure of size variable for enterprises. The Neyman optimal allocation formula used to allocate samples to each stratum is given by a formula below.

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

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 2005. The production in the base period is set at 100.
Industry	An industry is made up of enterprises engaged in the same or similar kinds of economic activity. Industries are defined in the <i>System of National Accounts (SNA)</i> in the same way as in the <i>1993 Standard Industrial Classification of all Economic Activities</i> , Fifth Edition, Report No. 09-90-02 of January 1993 (SIC).
Intermediate consumption	Intermediate consumption includes - <ul style="list-style-type: none">• purchases and transfers-in of materials;• payments to other establishments for work done;• other direct factory costs;• rent and leasing paid;• head office charges;• royalties, copyright, trade names and patent rights paid;• advertising;• insurance premiums;• services; and• secretarial and administrative fees.
Output	Output is the aggregate value of goods manufactured and work done and includes - <ul style="list-style-type: none">• sales and transfers-out of own manufactures, factory waste and stocks of factored goods;• repairs;• installation, erection and assembly;• sundry trading revenue;• sales of factored goods minus purchases of factored goods;• rent and leasing received;• royalties received;• difference between opening value and closing value of work in progress, stocks of own manufactures and stocks of factored goods;• head office charges; and• other revenue. Output excludes excise and customs duty paid.
Value added	Value added is the value of output less intermediate consumption. It represents the value added to the cost of the materials used in the process of production.
Sales	Sales are the total value of sales and transfers-out of all own manufactured products/articles and the amounts received for installation, erection or assembly or other services rendered.
Turnover	Turnover refers to - <ul style="list-style-type: none">• the value of sales and transfers out of all own manufactured products/articles;• amounts received for work done; and• amounts received for services rendered.

Turnover excludes -

- value added tax (VAT);
- export freight charges; and
- excise duty.

Weight

The weight of a major group of manufacturing in the overall index for manufacturing is the ratio of the value added of the major group (i.e. output of a major group minus intermediate consumption) to the total value added of the manufacturing industry. The weight reflects the importance of the major group in the total. The weights change over time due to changes in the relative performance of industries, due to factors such as quality changes, changes in relative prices, and changes in customer preferences. New weights need to be calculated from time to time.

Table D – Weights according to manufacturing major groups

Manufacturing divisions and major groups	Weights according to the 2005 LSS of the manufacturing industry 2005 - 2009	Weights according to the 2001 LSS 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

General information

Stats SA publishes approximately 300 different statistical releases each year. It is not economically viable to produce them in more than one of South Africa's eleven official languages. Since the releases are used extensively, not only locally but also by international economic and social-scientific communities, Stats SA releases are published in English.

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