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SUMMARY OF FINDINGS: MANUFACTURING PRODUCTION AND SALES

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

Estimates	October 2009	% change between October 2008 and October 2009	% change between August to October 2008 and August to October 2009	% change between January to October 2008 and January to October 2009
Physical volume of manufacturing production index (2005=100)	110,1	-9,3	-12,0	-14,5
Total value of sales of manufactured products (R million)	107 483	-15,6	-17,0	-16,2

Seasonally adjusted estimates	October 2009	% change between September and October 2009	% change between May to July 2009 And August to October 2009
Physical volume of manufacturing production index (2005=100)	98,0	0,4	1,6
Total value of sales of manufactured products (R million)	96 917	0,4	1,9

Manufacturing production after seasonal adjustment continues to improve

The seasonally adjusted manufacturing production for the three months ended October 2009 increased by 1,6% compared with the previous three months ended July 2009, lower than the 2,7% increase in the third quarter of 2009. Higher production levels were reported by six of the ten manufacturing divisions during the latest three months.

The increase was driven mainly by higher production in the basic iron and steel, non-ferrous metal products, metal products and machinery division (5,2% and contributing 1,0 percentage point), the petroleum, chemical products, rubber and plastic products division (2,9% and contributing 0,7 of a percentage point), the motor vehicles, parts and accessories and other transport equipment division (4,2% and contributing 0,4 of a percentage point) and the furniture and other manufacturing division (1,4% and contributing 0,1 of a percentage point). However, these increases were partially counteracted by decreases reported by the textiles, clothing, leather and footwear division (-5,7% and contributing -0,3 of a percentage point), the wood and wood products, paper, publishing and printing division (-2,0% and contributing -0,2 of a percentage point), the food and beverages division and the radio, television and communication apparatus and professional equipment division (each contributing -0,1 of a percentage point) (see Table B).

The seasonally adjusted manufacturing production index for October 2009 is the highest thus far for 2009.

Manufacturing production for October 2009 was 9,3% lower than October 2008, the lowest decrease recorded for 2009

Actual estimated production in all divisions was still at a lower level in October 2009 than in October 2008 with the biggest contributor the basic iron and steel, non-ferrous metal products, metal products and machinery division (-11,7% and contributing -2,4 percentage points), followed by the wood and wood products, paper, publishing and printing division (-18,1% and contributing -1,8 percentage points), the motor vehicles, parts and accessories and other transport equipment division (-12,9% and contributing -1,3 percentage points) and the furniture and other manufacturing division (-18,2% and contributing -1,0 percentage point) (see Table 4b).

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

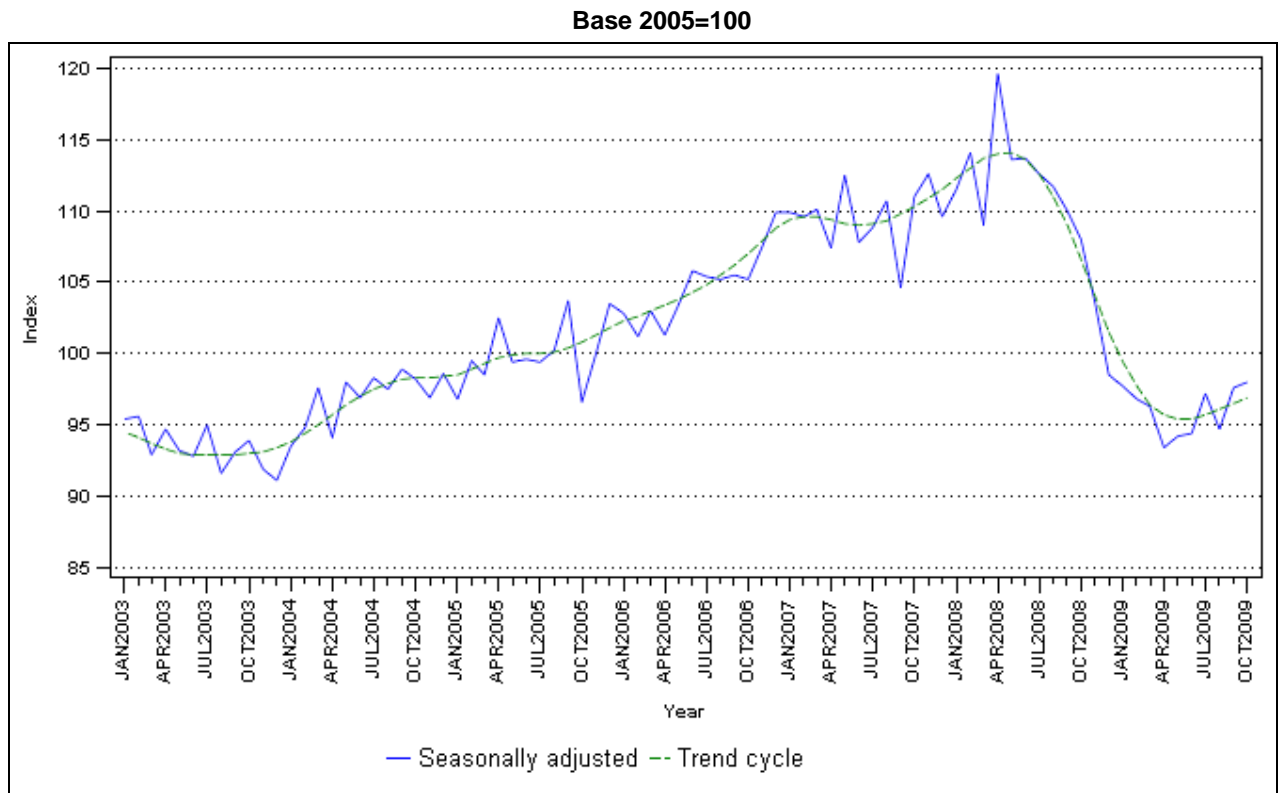
Base 2005=100

Manufacturing divisions and major groups	Percentage contribution to total manufacturing production using the weights according to large sample survey (LSS) of the manufacturing industry, 2005	Average seasonally adjusted production index for May to July 2009	Average seasonally adjusted production index for August to October 2009	Quarterly percentage change of August to October 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	112,9	112,2	-0,6	-0,1
-Meat, fish, fruit, etc.	1,8	106,2	112,3	5,7	0,1
-Dairy products	0,8	107,6	112,2	4,3	0,0
-Grain mill products	0,8	106,9	108,5	1,5	0,0
-Other food products	5,2	114,8	110,9	-3,4	-0,2
-Beverages	6,8	114,5	113,6	-0,8	-0,1
Textiles, clothing, leather and footwear	4,9	90,0	84,9	-5,7	-0,3
-Textiles	1,6	75,2	72,0	-4,3	-0,1
-Wearing apparel	2,3	98,7	89,8	-9,0	-0,2
-Leather and leather products	0,6	84,1	83,7	-0,5	0,0
-Footwear	0,4	107,1	108,0	0,8	0,0
Wood and wood products, paper, publishing and printing	10,2	91,4	89,6	-2,0	-0,2
-Wood and products of wood	2,0	80,1	80,7	0,7	0,0
-Paper and paper products	3,8	101,2	103,1	1,9	0,1
-Publishing and printing	4,3	87,9	81,7	-7,1	-0,3
Petroleum, chemical products, rubber and plastic products	22,1	105,1	108,2	2,9	0,7
-Coke, petroleum products and nuclear fuel	8,5	97,3	92,2	-5,2	-0,5
-Basic chemicals	4,5	98,4	111,3	13,1	0,6
-Other chemical products	5,3	106,9	109,6	2,5	0,2
-Rubber products	1,0	75,1	75,3	0,3	0,0
-Plastic products	2,7	147,7	161,8	9,5	0,4
Glass and non-metallic mineral products	4,8	94,4	94,9	0,5	0,0
-Glass and glass products	1,0	118,5	119,5	0,8	0,0
-Non-metallic mineral products	3,8	88,3	88,8	0,6	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	83,1	87,4	5,2	1,0
-Basic iron and steel products	7,7	68,3	80,5	17,9	1,0
-Basic precious, non-ferrous metal products	3,4	97,6	95,9	-1,7	-0,1
-Fabricated metal products	5,7	99,7	96,0	-3,7	-0,2
-Machinery and equipment	6,1	78,2	83,4	6,6	0,3
Electrical machinery	2,5	118,1	118,4	0,3	0,0
Radio, television and communication apparatus and professional equipment	1,1	103,2	97,0	-6,0	-0,1
-Radio, television and communication apparatus	0,4	102,0	100,4	-1,6	0,0
-Professional equipment	0,7	103,9	94,8	-8,8	-0,1
Motor vehicles, parts and accessories and other transport equipment	10,9	77,9	81,2	4,2	0,4
-Motor vehicles	4,9	64,6	61,2	-5,3	-0,2
-Bodies for motor vehicles, trailers and semi-trailers	0,5	100,5	96,0	-4,5	0,0
-Parts and accessories	4,7	79,8	92,5	15,9	0,6
-Other transport equipment	0,9	125,5	122,0	-2,8	0,0
Furniture and other manufacturing division	5,2	91,9	93,2	1,4	0,1
-Furniture	1,3	88,4	86,0	-2,7	0,0
-Other manufacturing groups	3,9	93,1	95,6	2,7	0,1
Total	100,0	95,3	96,8	1,6	1,6

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 October 2009.

Figure 1 – Index of the physical volume of manufacturing production: 2003 – 2009



Seasonally adjusted sales of manufactured products improves

The estimated total value of sales of manufactured products at current prices for the three months ended October 2009 increased by 1,9% (R5 347 million), after seasonal adjustment, compared with the previous three months ended July 2009. Higher manufacturing sales were reported by five of the ten manufacturing divisions during this period (see Table C).

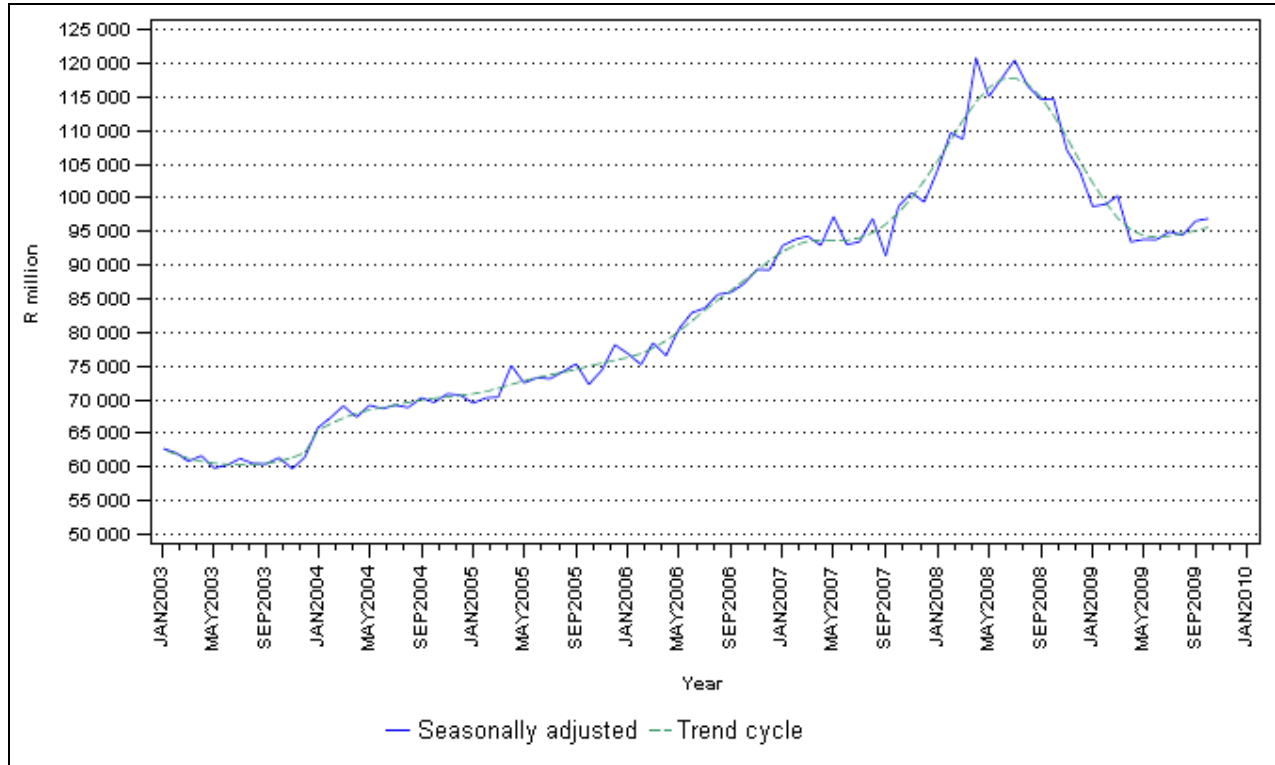
Large increases were mainly reported for the basic iron and steel, non-ferrous metal products, metal products and machinery division (5,5% or R2 990 million) and the petroleum, chemical products, rubber and plastic products division (4,3% or R2 775 million) during the above-mentioned period (see Table 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 May to July 2009	Seasonally adjusted sales August to October 2009	Percentage change between May to July 2009 and August to October 2009	Difference in seasonally adjusted sales of manufacturing divisions between May to July and August to October 2009
	R '000	R '000	%	R '000
Food and beverages	59 642 024	60 362 928	1,2	720 904
-Food and food products	45 312 223	45 857 597	1,2	545 374
-Beverages	14 329 799	14 505 332	1,2	175 533
Textiles, clothing, leather and footwear	9 760 064	9 177 138	-6,0	-582 926
-Textiles	3 823 892	3 590 704	-6,1	-233 188
-Wearing apparel	4 055 161	3 686 891	-9,1	-368 270
-Leather and leather products	979 441	999 147	2,0	19 706
-Footwear	901 572	900 396	-0,1	-1 176
Wood and wood products, paper, publishing and printing	25 409 238	24 791 323	-2,4	-617 915
-Wood and products of wood	5 442 766	5 362 494	-1,5	-80 272
-Paper and paper products	11 290 444	11 176 451	-1,0	-113 993
-Publishing and printing	8 676 029	8 252 378	-4,9	-423 651
Petroleum, chemical products, rubber and plastic products	65 256 593	68 031 983	4,3	2 775 390
-Coke, petroleum products and nuclear fuel	22 706 684	24 567 382	8,2	1 860 698
-Basic chemicals	12 249 650	12 479 464	1,9	229 814
-Other chemical products	16 036 292	16 010 684	-0,2	-25 608
-Rubber products	3 037 737	3 072 865	1,2	35 128
-Plastic products	11 226 231	11 901 589	6,0	675 358
Glass and non-metallic mineral products	8 833 245	8 895 066	0,7	61 821
-Glass and glass products	1 595 056	1 615 427	1,3	20 371
-Non-metallic mineral products	7 238 190	7 279 639	0,6	41 449
Basic iron and steel, non-ferrous metal products, metal products and machinery	53 873 765	56 863 562	5,5	2 989 797
-Basic iron and steel products	18 046 273	20 816 997	15,4	2 770 724
-Basic precious, non-ferrous metal products	7 527 751	7 762 713	3,1	234 962
-Fabricated metal products	14 557 614	13 994 867	-3,9	-562 747
-Machinery and equipment	13 742 125	14 288 984	4,0	546 859
Electrical machinery	9 231 039	9 226 241	-0,1	-4 798
Radio, television and communication apparatus and professional equipment	3 706 576	3 574 891	-3,6	-131 685
-Radio, television and communication apparatus	1 630 062	1 683 891	3,3	53 829
-Professional equipment	2 076 515	1 891 000	-8,9	-185 515
Motor vehicles, parts and accessories and other transport equipment	33 194 589	33 039 025	-0,5	-155 564
-Motor vehicles, trailers, parts and accessories	29 087 260	29 058 231	-0,1	-29 029
-Other transport equipment	4 107 330	3 980 795	-3,1	-126 535
Furniture and other manufacturing division	13 660 298	13 952 196	2,1	291 898
-Furniture	2 756 786	2 683 527	-2,7	-73 259
-Other manufacturing groups	10 903 512	11 268 670	3,3	365 158
Total	282 567 433	287 914 352	1,9	5 346 919

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

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



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Detailed results: Tables

Table 1 – Total index of the physical volume of manufacturing production: 2003 – 2009

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	95,5
Jul	96,5	100,0	100,9	107,4	111,1	115,3	99,5
Aug	93,9	100,3	103,3	108,7	114,4	115,0	1/ 97,4
Sep	96,1	102,3	107,5	109,6	108,8	114,5	1/ 101,4
Oct	103,3	108,2	106,9	117,0	124,2	121,4	1/ 110,1
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 total index of the physical volume of manufacturing production: 2003 – 2009

Month	2003	2004	2005	2006	2007	2008	2009
Jan	1,0	-1,9	3,1	5,4	6,0	1,1	-12,8
Feb	0,8	-1,2	4,4	1,4	8,1	3,7	-15,2
Mar	0,1	5,0	1,0	4,4	6,7	-1,2	-11,7
Apr	-4,1	0,1	8,2	-0,8	5,5	11,1	-21,7
May	-4,2	5,2	1,6	3,9	8,6	1,0	-17,3
Jun	-1,5	4,5	2,6	6,5	2,2	5,7	-17,0
Jul	-0,1	3,6	0,9	6,4	3,4	3,8	-13,7
Aug	-3,7	6,8	3,0	5,2	5,2	0,5	-15,3
Sep	-3,0	6,5	5,1	2,0	-0,7	5,2	-11,4
Oct	-2,7	4,7	-1,2	9,4	6,2	-2,3	-9,3
Nov	-4,3	5,8	3,0	7,5	4,5	-7,7	
Dec	-1,6	7,8	5,1	6,0	-0,3	-8,7	
Year	-2,0	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 previous year expressed as a percentage.

Table 3 – Seasonally adjusted index of the total physical volume of manufacturing production: 2003 – 2009

Base 2005 = 100

Month	2003	2004	2005	2006	2007	2008	2009
Jan	95,4	93,5	96,8	102,8	109,9	111,5	97,7
Feb	95,6	94,8	99,5	101,2	109,6	114,1	96,8
Mar	92,9	97,6	98,5	103,0	110,1	109,0	96,3
Apr	94,7	94,1	102,5	101,3	107,4	119,6	93,4
May	93,2	98,0	99,4	103,4	112,5	113,6	94,2
Jun	92,8	96,9	99,6	105,8	107,8	113,7	94,4
Jul	95,0	98,3	99,4	105,4	108,8	112,6	97,2
Aug	91,6	97,5	100,2	105,2	110,7	111,7	94,7
Sep	93,1	98,9	103,7	105,5	104,6	110,0	97,6
Oct	93,9	98,2	96,6	105,2	111,0	108,0	98,0
Nov	91,9	96,9	100,0	107,5	112,6	103,5	
Dec	91,1	98,6	103,5	109,9	109,6	98,5	

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		
			October 2008	1/ September 2009	1/ October 2009	October 2008	September 2009	October 2009
Food and beverages	15,4	109,6	125,9	120,0	125,6	113,8	114,8	113,0
-Meat, fish, fruit, etc.	1,8	108,7	114,5	115,6	115,8	111,9	116,7	112,7
-Dairy products	0,8	110,9	126,1	114,1	126,6	113,5	111,1	113,6
-Grain mill products	0,8	108,6	112,2	112,1	111,7	110,3	110,0	109,7
-Other food products	5,2	105,3	126,8	124,0	133,2	107,4	112,4	112,4
-Beverages	6,8	113,1	129,9	119,7	124,1	119,5	117,1	114,0
Textiles, clothing, leather and footwear	4,9	104,8	120,3	88,5	102,7	102,3	84,2	87,1
-Textiles	0,7	90,5	103,5	70,5	75,1	92,7	68,4	67,1
-Other textile products	0,9	99,6	113,8	79,4	89,5	95,8	78,1	75,1
-Knitted, crocheted articles	0,2	112,1	131,3	87,2	117,0	113,2	87,4	100,2
-Wearing apparel	2,1	110,5	128,9	90,9	109,7	109,4	85,4	93,2
-Leather and leather products	0,6	101,3	94,7	81,1	96,5	86,1	81,2	87,4
-Footwear	0,4	111,6	151,1	136,6	143,2	115,5	119,1	108,6
Wood and wood products, paper, publishing and printing	10,2	108,3	121,9	95,9	99,8	109,6	90,5	89,6
-Sawmilling and planing of wood	0,7	95,7	105,8	82,0	81,5	96,1	78,6	73,7
-Products of wood	1,3	103,5	115,9	93,6	95,2	102,1	86,5	83,7
-Paper and paper products	3,8	121,8	132,5	111,4	112,8	124,5	103,7	105,8
-Publishing	1,9	105,9	116,0	84,5	86,9	104,7	81,2	78,5
-Printing, recorded media	2,5	95,5	117,5	85,8	97,0	97,9	82,3	80,4
Petroleum, chemical products, rubber and plastic products	22,1	117,9	127,0	107,8	123,3	114,2	108,6	111,3
-Coke, petroleum products and nuclear fuel	8,5	95,8	85,1	82,9	99,9	81,1	93,0	94,7
-Basic chemicals	4,5	152,5	185,1	115,0	135,2	159,9	111,2	116,8
-Other chemical products	5,3	119,2	137,8	114,1	126,7	121,7	109,7	111,6
-Rubber products	1,0	91,0	92,7	80,9	84,7	85,1	76,7	77,4
-Plastic products	2,7	137,3	152,9	171,3	184,1	137,5	162,7	165,6
Glass and non-metallic mineral products	4,8	110,4	124,2	100,8	103,8	111,1	95,1	92,8
-Glass and glass products	1,0	123,1	152,2	119,5	139,3	132,2	115,1	120,8
-Non-metallic mineral products	3,8	107,2	117,2	96,1	94,9	105,9	90,2	85,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	105,6	109,9	92,8	97,0	99,4	88,6	87,9
-Basic iron and steel products	7,7	94,8	88,3	86,2	90,8	80,7	79,4	82,9
-Non-ferrous metal products	3,4	102,8	105,9	98,0	102,9	100,4	98,2	97,5
-Structural metal products	2,0	124,2	131,8	95,5	102,2	116,2	89,3	89,9
-Other fabricated metal products	3,8	125,8	145,1	105,9	108,3	127,2	103,7	94,8
-General purpose machinery	2,4	93,4	95,9	78,2	79,9	85,2	73,2	70,9
-Special purpose machinery	3,1	108,8	119,7	96,7	100,7	109,9	93,7	92,7
-Household appliances	0,6	104,4	120,3	92,7	103,6	105,2	90,3	90,5
Electrical machinery	2,5	124,9	142,9	133,0	130,4	126,9	123,9	115,4
Radio, television and communication apparatus and professional equipment	1,1	106,0	118,9	104,8	103,1	111,0	97,2	96,3
-Radio, television and communication apparatus	0,4	117,6	130,6	107,9	109,3	120,2	101,9	100,6
-Professional equipment	0,7	98,6	111,5	102,9	99,2	105,2	94,3	93,5
Motor vehicles, parts and accessories and other transport equipment	10,9	105,8	116,0	84,2	101,0	96,6	81,1	84,5
-Motor vehicles	4,9	99,7	121,3	60,7	85,6	93,5	60,1	65,0
-Bodies for motor vehicles, trailers and semi-trailers	0,5	151,1	180,7	106,3	117,5	152,0	94,2	98,0
-Parts and accessories	4,7	105,4	102,9	101,4	110,9	90,1	94,1	96,7
-Other transport equipment	0,9	116,9	122,6	109,6	123,3	118,1	119,1	118,9
Furniture and other manufacturing division	5,2	118,2	133,2	100,2	108,9	115,0	90,1	94,3
-Furniture	1,3	106,3	134,3	92,8	110,5	103,8	87,4	85,4
-Other manufacturing groups	3,9	122,2	132,9	102,7	108,4	118,7	91,0	97,3
Total	100,0	110,6	121,4	101,4	110,1	108,0	97,6	98,0

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	Actual indices			Seasonally adjusted indices		
			October 2008	1/ October 2009	Percentage change between October 2008 and October 2009	September 2009	October 2009	Percentage change between September and October 2009
Food and beverages	15,4	109,6	125,9	125,6	-0,2	114,8	113,0	-1,6
-Meat, fish, fruit, etc.	1,8	108,7	114,5	115,8	1,1	116,7	112,7	-3,4
-Dairy products	0,8	110,9	126,1	126,6	0,4	111,1	113,6	2,3
-Grain mill products	0,8	108,6	112,2	111,7	-0,4	110,0	109,7	-0,3
-Other food products	5,2	105,3	126,8	133,2	5,0	112,4	112,4	0,0
-Beverages	6,8	113,1	129,9	124,1	-4,5	117,1	114,0	-2,6
Textiles, clothing, leather and footwear	4,9	104,8	120,3	102,7	-14,6	84,2	87,1	3,4
-Textiles	0,7	90,5	103,5	75,1	-27,4	68,4	67,1	-1,9
-Other textile products	0,9	99,6	113,8	89,5	-21,4	78,1	75,1	-3,8
-Knitted, crocheted articles	0,2	112,1	131,3	117,0	-10,9	87,4	100,2	14,6
-Wearing apparel	2,1	110,5	128,9	109,7	-14,9	85,4	93,2	9,1
-Leather and leather products	0,6	101,3	94,7	96,5	1,9	81,2	87,4	7,6
-Footwear	0,4	111,6	151,1	143,2	-5,2	119,1	108,6	-8,8
Wood and wood products, paper, publishing and printing	10,2	108,3	121,9	99,8	-18,1	90,5	89,6	-1,0
-Sawmilling and planing of wood	0,7	95,7	105,8	81,5	-23,0	78,6	73,7	-6,2
-Products of wood	1,3	103,5	115,9	95,2	-17,9	86,5	83,7	-3,2
-Paper and paper products	3,8	121,8	132,5	112,8	-14,9	103,7	105,8	2,0
-Publishing	1,9	105,9	116,0	86,9	-25,1	81,2	78,5	-3,3
-Printing, recorded media	2,5	95,5	117,5	97,0	-17,4	82,3	80,4	-2,3
Petroleum, chemical products, rubber and plastic products	22,1	117,9	127,0	123,3	-2,9	108,6	111,3	2,5
-Coke, petroleum products and nuclear fuel	8,5	95,8	85,1	99,9	17,4	93,0	94,7	1,8
-Basic chemicals	4,5	152,5	185,1	135,2	-27,0	111,2	116,8	5,0
-Other chemical products	5,3	119,2	137,8	126,7	-8,1	109,7	111,6	1,7
-Rubber products	1,0	91,0	92,7	84,7	-8,6	76,7	77,4	0,9
-Plastic products	2,7	137,3	152,9	184,1	20,4	162,7	165,6	1,8
Glass and non-metallic mineral products	4,8	110,4	124,2	103,8	-16,4	95,1	92,8	-2,4
-Glass and glass products	1,0	123,1	152,2	139,3	-8,5	115,1	120,8	5,0
-Non-metallic mineral products	3,8	107,2	117,2	94,9	-19,0	90,2	85,8	-4,9
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	105,6	109,9	97,0	-11,7	88,6	87,9	-0,8
-Basic iron and steel products	7,7	94,8	88,3	90,8	2,8	79,4	82,9	4,4
-Non-ferrous metal products	3,4	102,8	105,9	102,9	-2,8	98,2	97,5	-0,7
-Structural metal products	2,0	124,2	131,8	102,2	-22,5	89,3	89,9	0,7
-Other fabricated metal products	3,8	125,8	145,1	108,3	-25,4	103,7	94,8	-8,6
-General purpose machinery	2,4	93,4	95,9	79,9	-16,7	73,2	70,9	-3,1
-Special purpose machinery	3,1	108,8	119,7	100,7	-15,9	93,7	92,7	-1,1
-Household appliances	0,6	104,4	120,3	103,6	-13,9	90,3	90,5	0,2
Electrical machinery	2,5	124,9	142,9	130,4	-8,7	123,9	115,4	-6,9
Radio, television and communication apparatus and professional equipment	1,1	106,0	118,9	103,1	-13,3	97,2	96,3	-0,9
-Radio, television and communication apparatus	0,4	117,6	130,6	109,3	-16,3	101,9	100,6	-1,3
-Professional equipment	0,7	98,6	111,5	99,2	-11,0	94,3	93,5	-0,8
Motor vehicles, parts and accessories and other transport equipment	10,9	105,8	116,0	101,0	-12,9	81,1	84,5	4,2
-Motor vehicles	4,9	99,7	121,3	85,6	-29,4	60,1	65,0	8,2
-Bodies for motor vehicles, trailers and semi-trailers	0,5	151,1	180,7	117,5	-35,0	94,2	98,0	4,0
-Parts and accessories	4,7	105,4	102,9	110,9	7,8	94,1	96,7	2,8
-Other transport equipment	0,9	116,9	122,6	123,3	0,6	119,1	118,9	-0,2
Furniture and other manufacturing division	5,2	118,2	133,2	108,9	-18,2	90,1	94,3	4,7
-Furniture	1,3	106,3	134,3	110,5	-17,7	87,4	85,4	-2,3
-Other manufacturing groups	3,9	122,2	132,9	108,4	-18,4	91,0	97,3	6,9
Total	100,0	110,6	121,4	110,1	-9,3	97,6	98,0	0,4

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	95 271 113
Jul	63 959 307	69 855 977	74 136 551	85 136 537	95 460 248	123 799 542	97 023 688
Aug	63 943 780	70 632 321	76 550 034	88 805 047	100 791 378	121 886 864	1/ 98 084 036
Sep	65 542 853	73 800 845	79 380 270	90 800 328	96 560 089	121 355 165	1/ 101 798 429
Oct	70 264 798	76 370 559	79 431 755	96 059 766	109 274 819	127 291 387	1/ 107 482 637
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	9,9	1,3	5,4	10,6	21,1	12,2	-5,6
Feb	7,1	3,6	3,9	6,8	24,4	16,2	-9,5
Mar	4,6	8,5	1,6	11,1	20,1	14,6	-7,7
Apr	-2,7	4,3	10,9	1,5	21,0	29,7	-22,6
May	-3,6	10,8	4,6	10,9	20,9	18,5	-19,0
Jun	-0,2	9,2	6,8	13,4	12,6	27,0	-20,7
Jul	-2,3	9,2	6,1	14,8	12,1	29,7	-21,6
Aug	-4,4	10,5	8,4	16,0	13,5	20,9	-19,5
Sep	-5,5	12,6	7,6	14,4	6,3	25,7	-16,1
Oct	-4,8	8,7	4,0	20,9	13,8	16,5	-15,6
Nov	-7,1	14,1	5,4	19,7	12,5	6,2	
Dec	-1,8	10,1	9,6	12,9	11,0	5,5	
Year	-1,3	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	65 255 262	65 854 535	69 500 616	76 832 665	92 914 213	104 075 532	98 721 557
Feb	64 786 475	67 394 117	70 265 773	75 215 724	93 846 710	109 645 471	99 028 618
Mar	63 304 768	69 070 331	70 374 990	78 428 688	94 289 907	108 715 438	100 309 197
Apr	64 701 767	67 399 198	75 071 214	76 544 448	92 932 090	120 787 651	93 456 293
May	62 366 259	69 182 293	72 476 171	80 496 968	97 207 194	115 045 044	93 817 661
Jun	62 743 949	68 668 508	73 267 924	82 926 415	93 061 321	117 792 888	93 785 303
Jul	63 677 742	69 193 345	73 101 484	83 598 204	93 446 943	120 464 029	94 964 469
Aug	62 649 617	68 835 975	74 172 592	85 640 469	96 913 958	116 592 901	94 446 599
Sep	62 685 009	70 294 581	75 319 171	85 957 218	91 373 965	114 634 209	96 551 037
Oct	64 025 055	69 583 296	72 246 631	87 179 622	98 722 580	114 685 934	96 916 716
Nov	62 078 322	70 875 208	74 435 755	89 344 501	100 745 538	107 112 101	
Dec	63 954 522	70 701 685	78 160 805	89 284 006	99 373 917	104 060 990	

Table 8a – Estimated sales of the manufacturing industry according to manufacturing divisions and major groups (R'000)

Manufacturing divisions and major groups	Year 2008	Actual values			Seasonally adjusted values		
		October 2008	1/ September 2009	1/ October 2009	October 2008	September 2009	October 2009
Food and beverages	230 362 367	21 772 703	20 745 211	21 888 887	20 219 720	20 504 851	20 257 557
-Meat, fish, fruit, etc.	60 082 160	5 698 667	5 442 682	5 643 957	5 298 374	5 371 098	5 246 727
-Dairy products	19 901 003	1 860 664	1 759 663	1 955 382	1 700 873	1 736 940	1 781 479
-Grain mill products	46 998 257	4 317 665	3 779 559	3 845 682	4 155 460	3 775 340	3 690 971
-Other food products	49 553 173	4 739 533	4 745 337	5 296 844	4 240 860	4 652 405	4 731 290
-Beverages	53 827 774	5 156 174	5 017 970	5 147 022	4 824 153	4 969 068	4 807 091
Textiles, clothing, leather and footwear	43 745 997	4 281 823	3 147 903	3 642 484	3 667 248	3 042 323	3 103 958
-Textiles	6 481 096	641 807	450 232	490 536	570 958	437 237	434 543
-Other textile products	11 665 428	1 125 421	768 807	896 237	968 538	780 263	766 849
-Knitted, crocheted articles	1 768 896	165 510	109 963	150 447	147 162	112 286	132 655
-Wearing apparel	15 973 282	1 573 362	1 123 195	1 315 178	1 343 527	1 065 887	1 121 821
-Leather and leather products	4 318 960	376 714	350 490	385 478	331 100	341 348	339 191
-Footwear	3 538 335	399 009	345 216	404 608	305 963	305 301	308 900
Wood and wood products, paper, publishing and printing	110 137 969	10 663 597	9 111 700	9 107 121	9 620 932	8 491 442	8 199 119
-Sawmilling and planing of wood	7 896 405	739 777	563 989	612 132	652 977	547 389	537 327
-Products of wood	17 742 096	1 722 729	1 420 325	1 401 643	1 493 543	1 298 503	1 214 449
-Paper and paper products	48 951 809	4 609 685	4 273 705	3 978 864	4 362 922	3 870 425	3 758 747
-Publishing	14 592 803	1 380 961	1 097 425	1 131 872	1 248 921	1 064 857	1 023 529
-Printing, recorded media	20 954 856	2 210 445	1 756 256	1 982 610	1 862 568	1 710 268	1 665 067
Petroleum, chemical products, rubber and plastic products	316 559 125	30 533 581	23 689 223	25 059 007	27 658 160	22 374 036	22 669 988
-Coke, petroleum products and nuclear fuel	125 107 924	10 239 323	8 174 214	8 350 671	9 895 215	7 756 183	8 055 185
-Basic chemicals	74 181 951	8 560 957	4 591 645	4 823 589	7 411 260	4 185 506	4 159 011
-Other chemical products	64 081 392	6 493 048	5 613 989	6 186 616	5 694 748	5 401 897	5 404 321
-Rubber products	13 079 823	1 190 642	1 072 269	1 129 247	1 111 824	1 045 795	1 055 004
-Plastic products	40 108 035	4 049 611	4 237 106	4 568 884	3 545 113	3 984 656	3 996 468
Glass and non-metallic mineral products	37 229 204	3 676 817	3 250 536	3 410 987	3 208 173	3 007 500	2 972 138
-Glass and glass products	6 211 863	661 854	589 114	673 913	554 080	529 338	562 981
-Non-metallic mineral products	31 017 341	3 014 963	2 661 422	2 737 074	2 654 093	2 478 162	2 409 157
Basic iron and steel, non-ferrous metal products, metal products and machinery	310 428 978	28 735 484	20 567 744	21 323 138	25 724 271	19 222 901	19 046 236
-Basic iron and steel products	131 486 550	11 488 364	7 649 032	7 683 458	10 417 870	6 941 242	6 972 869
-Non-ferrous metal products	43 379 771	4 204 701	2 771 747	3 015 527	3 751 513	2 668 701	2 672 467
-Structural metal products	26 244 171	2 569 749	1 695 869	1 871 757	2 220 955	1 578 973	1 610 845
-Other fabricated metal products	42 385 944	4 216 320	3 310 724	3 420 670	3 759 985	3 130 085	3 045 231
-General purpose machinery	26 166 605	2 388 819	1 997 888	2 057 671	2 140 007	1 871 278	1 841 003
-Special purpose machinery	30 901 023	2 869 594	2 367 139	2 419 961	2 571 461	2 267 695	2 169 966
-Household appliances	9 864 914	997 937	775 345	854 094	862 480	764 926	733 855
Electrical machinery	41 188 668	3 760 821	3 403 506	3 336 840	3 479 192	3 134 603	3 074 317
Radio, television and communication apparatus and professional equipment	14 956 319	1 387 265	1 323 403	1 220 875	1 314 734	1 218 491	1 158 597
-Radio, television and communication apparatus	7 503 117	698 807	663 754	556 386	651 459	604 533	519 427
-Professional equipment	7 453 202	688 458	659 649	664 489	663 275	613 958	639 170
Motor vehicles, parts and accessories and other transport equipment	192 164 112	16 786 650	11 551 654	13 451 929	14 705 107	10 881 979	11 770 264
-Motor vehicles	96 884 183	8 722 049	5 534 206	6 673 373	7 529 221	5 077 809	5 730 821
-Bodies for motor vehicles, trailers and semi-trailers	8 625 818	886 238	566 889	613 557	745 357	508 519	512 276
-Parts and accessories	71 341 166	5 765 898	4 245 077	4 814 380	5 075 793	3 996 915	4 234 552
-Other transport equipment	15 312 945	1 412 465	1 205 482	1 350 619	1 354 734	1 298 737	1 292 615
Furniture and other manufacturing division	60 751 590	5 692 646	5 007 549	5 041 369	5 088 398	4 672 911	4 664 543
-Furniture	12 491 467	1 376 280	963 906	1 158 001	1 052 422	904 990	883 552
-Other manufacturing groups	48 260 123	4 316 366	4 043 643	3 883 368	4 035 976	3 767 922	3 780 991
Total	1 357 524 329	127 291 387	101 798 429	107 482 637	114 685 934	96 551 037	96 916 716

1/ Preliminary.

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

Manufacturing divisions and major groups	Year 2008	Actual values			Seasonally adjusted values		
		October 2008	1/ October 2009	Percentage change between October 2008 and October 2009	September 2009	October 2009	Percentage change between September and October 2009
Food and beverages	230 362 367	21 772 703	21 888 887	0,5	20 504 851	20 257 557	-1,2
-Meat, fish, fruit, etc.	60 082 160	5 698 667	5 643 957	-1,0	5 371 098	5 246 727	-2,3
-Dairy products	19 901 003	1 860 664	1 955 382	5,1	1 736 940	1 781 479	2,6
-Grain mill products	46 998 257	4 317 665	3 845 682	-10,9	3 775 340	3 690 971	-2,2
-Other food products	49 553 173	4 739 533	5 296 844	11,8	4 652 405	4 731 290	1,7
-Beverages	53 827 774	5 156 174	5 147 022	-0,2	4 969 068	4 807 091	-3,3
Textiles, clothing, leather and footwear	43 745 997	4 281 823	3 642 484	-14,9	3 042 323	3 103 958	2,0
-Textiles	6 481 096	641 807	490 536	-23,6	437 237	434 543	-0,6
-Other textile products	11 665 428	1 125 421	896 237	-20,4	780 263	766 849	-1,7
-Knitted, crocheted articles	1 768 896	165 510	150 447	-9,1	112 286	132 655	18,1
-Wearing apparel	15 973 282	1 573 362	1 315 178	-16,4	1 065 887	1 121 821	5,2
-Leather and leather products	4 318 960	376 714	385 478	2,3	341 348	339 191	-0,6
-Footwear	3 538 335	399 009	404 608	1,4	305 301	308 900	1,2
Wood and wood products, paper, publishing and printing	110 137 969	10 663 597	9 107 121	-14,6	8 491 442	8 199 119	-3,4
-Sawmilling and planing of wood	7 896 405	739 777	612 132	-17,3	547 389	537 327	-1,8
-Products of wood	17 742 096	1 722 729	1 401 643	-18,6	1 298 503	1 214 449	-6,5
-Paper and paper products	48 951 809	4 609 685	3 978 864	-13,7	3 870 425	3 758 747	-2,9
-Publishing	14 592 803	1 380 961	1 131 872	-18,0	1 064 857	1 023 529	-3,9
-Printing, recorded media	20 954 856	2 210 445	1 982 610	-10,3	1 710 268	1 665 067	-2,6
Petroleum, chemical products, rubber and plastic products	316 559 125	30 533 581	25 059 007	-17,9	22 374 036	22 669 988	1,3
-Coke, petroleum products and nuclear fuel	125 107 924	10 239 323	8 350 671	-18,4	7 756 183	8 055 185	3,9
-Basic chemicals	74 181 951	8 560 957	4 823 589	-43,7	4 185 506	4 159 011	-0,6
-Other chemical products	64 081 392	6 493 048	6 186 616	-4,7	5 401 897	5 404 321	0,0
-Rubber products	13 079 823	1 190 642	1 129 247	-5,2	1 045 795	1 055 004	0,9
-Plastic products	40 108 035	4 049 611	4 568 884	12,8	3 984 656	3 996 468	0,3
Glass and non-metallic mineral products	37 229 204	3 676 817	3 410 987	-7,2	3 007 500	2 972 138	-1,2
-Glass and glass products	6 211 863	661 854	673 913	1,8	529 338	562 981	6,4
-Non-metallic mineral products	31 017 341	3 014 963	2 737 074	-9,2	2 478 162	2 409 157	-2,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	310 428 978	28 735 484	21 323 138	-25,8	19 222 901	19 046 236	-0,9
-Basic iron and steel products	131 486 550	11 488 364	7 683 458	-33,1	6 941 242	6 972 869	0,5
-Non-ferrous metal products	43 379 771	4 204 701	3 015 527	-28,3	2 668 701	2 672 467	0,1
-Structural metal products	26 244 171	2 569 749	1 871 757	-27,2	1 578 973	1 610 845	2,0
-Other fabricated metal products	42 385 944	4 216 320	3 420 670	-18,9	3 130 085	3 045 231	-2,7
-General purpose machinery	26 166 605	2 388 819	2 057 671	-13,9	1 871 278	1 841 003	-1,6
-Special purpose machinery	30 901 023	2 869 594	2 419 961	-15,7	2 267 695	2 169 966	-4,3
-Household appliances	9 864 914	997 937	854 094	-14,4	764 926	733 855	-4,1
Electrical machinery	41 188 668	3 760 821	3 336 840	-11,3	3 134 603	3 074 317	-1,9
Radio, television and communication apparatus and professional equipment	14 956 319	1 387 265	1 220 875	-12,0	1 218 491	1 158 597	-4,9
-Radio, television and communication apparatus	7 503 117	698 807	556 386	-20,4	604 533	519 427	-14,1
-Professional equipment	7 453 202	688 458	664 489	-3,5	613 958	639 170	4,1
Motor vehicles, parts and accessories and other transport equipment	192 164 112	16 786 650	13 451 929	-19,9	10 881 979	11 770 264	8,2
-Motor vehicles	96 884 183	8 722 049	6 673 373	-23,5	5 077 809	5 730 821	12,9
-Bodies for motor vehicles, trailers and semi-trailers	8 625 818	886 238	613 557	-30,8	508 519	512 276	0,7
-Parts and accessories	71 341 166	5 765 898	4 814 380	-16,5	3 996 915	4 234 552	5,9
-Other transport equipment	15 312 945	1 412 465	1 350 619	-4,4	1 298 737	1 292 615	-0,5
Furniture and other manufacturing division	60 751 590	5 692 646	5 041 369	-11,4	4 672 911	4 664 543	-0,2
-Furniture	12 491 467	1 376 280	1 158 001	-15,9	904 990	883 552	-2,4
-Other manufacturing groups	48 260 123	4 316 366	3 883 368	-10,0	3 767 922	3 780 991	0,3
Total	1 357 524 329	127 291 387	107 482 637	-15,6	96 551 037	96 916 716	0,4

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	Indices (base 2005=100)			Value of sales (R '000)		
		August to October 2008	August to October 2009	Annual percentage change between August to October 2008 and August to October 2009	August to October 2008	August to October 2009	Annual percentage change between August to October 2008 and August to October 2009
Food and beverages	15,4	116,7	118,6	1,6	61 327 072	61 973 404	1,1
-Meat, fish, fruit, etc.	1,8	108,5	111,9	3,1	15 907 254	16 189 298	1,8
-Dairy products	0,8	115,4	116,8	1,2	5 155 579	5 395 391	4,7
-Grain mill products	0,8	109,8	109,5	-0,3	12 512 381	11 274 585	-9,9
-Other food products	5,2	119,9	127,3	6,2	13 730 050	14 532 696	5,8
-Beverages	6,8	117,4	115,2	-1,9	14 021 808	14 581 434	4,0
Textiles, clothing, leather and footwear	4,9	112,5	92,6	-17,7	11 795 559	9 915 402	-15,9
-Textiles	0,7	95,9	69,9	-27,1	1 776 000	1 398 113	-21,3
-Other textile products	0,9	105,3	83,4	-20,8	3 098 314	2 426 182	-21,7
-Knitted, crocheted articles	0,2	116,7	99,3	-14,9	452 826	380 707	-15,9
-Wearing apparel	2,1	119,3	97,4	-18,4	4 292 670	3 594 535	-16,3
-Leather and leather products	0,6	100,7	86,7	-13,9	1 112 318	1 059 633	-4,7
-Footwear	0,4	136,1	130,3	-4,3	1 063 431	1 056 232	-0,7
Wood and wood products, paper, publishing and printing	10,2	116,1	95,5	-17,7	30 430 787	26 522 775	-12,8
-Sawmilling and planing of wood	0,7	99,0	79,7	-19,5	2 121 272	1 746 971	-17,6
-Products of wood	1,3	110,6	92,0	-16,8	4 839 078	4 133 390	-14,6
-Paper and paper products	3,8	130,1	108,2	-16,8	13 631 919	11 831 330	-13,2
-Publishing	1,9	110,7	84,8	-23,4	3 912 159	3 321 899	-15,1
-Printing, recorded media	2,5	106,2	90,2	-15,1	5 926 359	5 489 185	-7,4
Petroleum, chemical products, rubber and plastic products	22,1	123,3	112,2	-9,0	89 270 131	73 210 931	-18,0
-Coke, petroleum products and nuclear fuel	8,5	91,6	89,4	-2,4	34 347 185	26 464 307	-23,0
-Basic chemicals	4,5	168,1	120,9	-28,1	22 215 407	13 685 644	-38,4
-Other chemical products	5,3	128,9	116,2	-9,9	17 879 168	17 035 199	-4,7
-Rubber products	1,0	94,3	80,2	-15,0	3 524 754	3 192 184	-9,4
-Plastic products	2,7	147,3	173,1	17,5	11 303 617	12 833 597	13,5
Glass and non-metallic mineral products	4,8	117,5	101,6	-13,5	10 418 303	9 753 662	-6,4
-Glass and glass products	1,0	135,5	126,9	-6,3	1 794 784	1 801 349	0,4
-Non-metallic mineral products	3,8	113,0	95,2	-15,8	8 623 519	7 952 313	-7,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	110,1	93,1	-15,4	85 944 314	61 701 040	-28,2
-Basic iron and steel products	7,7	100,5	86,9	-13,5	37 201 881	22 985 959	-38,2
-Non-ferrous metal products	3,4	103,2	98,5	-4,6	11 752 480	8 244 544	-29,8
-Structural metal products	2,0	129,4	97,9	-24,3	7 269 188	5 305 584	-27,0
-Other fabricated metal products	3,8	133,8	104,8	-21,7	11 872 051	9 850 696	-17,0
-General purpose machinery	2,4	94,1	77,9	-17,2	7 067 647	5 980 996	-15,4
-Special purpose machinery	3,1	112,5	96,2	-14,5	8 107 634	6 924 428	-14,6
-Household appliances	0,6	113,5	98,3	-13,4	2 673 433	2 408 833	-9,9
Electrical machinery	2,5	139,5	128,1	-8,2	11 267 131	9 872 297	-12,4
Radio, television and communication apparatus and professional equipment	1,1	112,1	102,1	-8,9	3 986 020	3 778 404	-5,2
-Radio, television and communication apparatus	0,4	123,3	105,5	-14,4	1 992 326	1 794 620	-9,9
-Professional equipment	0,7	105,0	100,0	-4,8	1 993 694	1 983 784	-0,5
Motor vehicles, parts and accessories and other transport equipment	10,9	111,4	89,5	-19,7	49 673 593	35 917 863	-27,7
-Motor vehicles	4,9	110,7	69,9	-36,9	25 221 388	17 162 932	-32,0
-Bodies for motor vehicles, trailers and semi-trailers	0,5	173,3	109,3	-36,9	2 495 523	1 734 116	-30,5
-Parts and accessories	4,7	106,1	101,6	-4,2	18 088 174	13 050 118	-27,9
-Other transport equipment	0,9	111,9	120,5	7,7	3 868 508	3 970 697	2,6
Furniture and other manufacturing division	5,2	128,1	102,1	-20,3	16 420 506	14 719 324	-10,4
-Furniture	1,3	118,4	96,9	-18,2	3 563 504	3 026 913	-15,1
-Other manufacturing groups	3,9	131,3	103,8	-20,9	12 857 002	11 692 411	-9,1
Total	100,0	117,0	103,0	-12,0	370 533 416	307 365 102	-17,0

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	Indices (base 2005=100)				Value of sales (R million)			
		Jan. to Oct. 2008	Jan. to Oct. 2009	Annual percentage change between 2008 and 2009	Contribution (percentage points)	Jan. to Oct. 2008	Jan. to Oct. 2009	Annual percentage change between 2008 and 2009	Difference in sales between 2008 and 2009
Food and beverages	15,4	107,6	109,1	1,4	0,2	186 221	195 299	4,9	9 078
-Meat, fish, fruit, etc.	1,8	108,7	107,1	-1,5	0,0	49 010	51 666	5,4	2 656
-Dairy products	0,8	108,8	107,6	-1,1	0,0	16 205	16 720	3,2	515
-Grain mill products	0,8	107,8	107,3	-0,5	0,0	38 410	37 761	-1,7	-649
-Other food products	5,2	106,2	111,0	4,5	0,2	40 354	44 279	9,7	3 925
-Beverages	6,8	108,1	108,6	0,5	0,0	42 242	44 873	6,2	2 631
Textiles, clothing, leather and footwear	4,9	106,2	90,0	-15,3	-0,7	36 595	32 038	-12,5	-4 557
-Textiles	0,7	93,4	76,3	-18,3	-0,1	5 486	4 942	-9,9	-544
-Other textile products	0,9	101,6	78,9	-22,3	-0,2	9 852	7 844	-20,4	-2 008
-Knitted, crocheted articles	0,2	114,4	106,7	-6,7	0,0	1 501	1 393	-7,2	-108
-Wearing apparel	2,1	110,3	96,4	-12,6	-0,3	13 157	11 730	-10,8	-1 427
-Leather and leather products	0,6	105,9	82,3	-22,3	-0,1	3 740	3 218	-14,0	-522
-Footwear	0,4	113,0	108,4	-4,1	0,0	2 859	2 911	1,8	52
Wood and wood products, paper, publishing and printing	10,2	108,3	92,3	-14,8	-1,5	91 211	84 771	-7,1	-6 440
-Sawmilling and planing of wood	0,7	98,6	75,3	-23,6	-0,1	6 780	5 368	-20,8	-1 412
-Products of wood	1,3	105,2	89,1	-15,3	-0,2	14 939	13 239	-11,4	-1 700
-Paper and paper products	3,8	121,3	104,2	-14,1	-0,6	40 343	38 084	-5,6	-2 259
-Publishing	1,9	105,8	87,4	-17,4	-0,3	12 041	11 124	-7,6	-917
-Printing, recorded media	2,5	94,3	84,3	-10,6	-0,2	17 108	16 955	-0,9	-153
Petroleum, chemical products, rubber and plastic products	22,1	119,3	106,7	-10,6	-2,5	267 978	223 257	-16,7	-44 721
-Coke, petroleum products and nuclear fuel	8,5	97,3	94,0	-3,4	-0,2	108 879	77 614	-28,7	-31 265
-Basic chemicals	4,5	155,3	108,2	-30,3	-1,9	62 608	44 273	-29,3	-18 335
-Other chemical products	5,3	119,0	109,5	-8,0	-0,4	52 506	53 508	1,9	1 002
-Rubber products	1,0	94,9	78,7	-17,1	-0,1	11 030	10 386	-5,8	-644
-Plastic products	2,7	138,1	149,1	8,0	0,3	32 954	37 476	13,7	4 522
Glass and non-metallic mineral products	4,8	111,8	96,7	-13,5	-0,6	31 334	30 070	-4,0	-1 264
-Glass and glass products	1,0	119,6	118,6	-0,8	0,0	5 004	5 281	5,5	277
-Non-metallic mineral products	3,8	109,9	91,2	-17,0	-0,6	26 330	24 789	-5,9	-1 541
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	109,5	85,4	-22,0	-4,9	268 132	190 109	-29,1	-78 023
-Basic iron and steel products	7,7	103,4	69,1	-33,2	-2,3	118 182	65 412	-44,7	-52 770
-Non-ferrous metal products	3,4	103,1	95,5	-7,4	-0,2	36 311	26 457	-27,1	-9 854
-Structural metal products	2,0	127,2	98,7	-22,4	-0,5	22 152	18 035	-18,6	-4 117
-Other fabricated metal products	3,8	128,2	106,0	-17,3	-0,8	35 521	32 032	-9,8	-3 489
-General purpose machinery	2,4	95,1	73,1	-23,1	-0,5	21 889	18 711	-14,5	-3 178
-Special purpose machinery	3,1	109,6	88,4	-19,3	-0,6	25 810	21 579	-16,4	-4 231
-Household appliances	0,6	105,9	97,9	-7,6	0,0	8 267	7 883	-4,6	-384
Electrical machinery	2,5	126,3	122,6	-2,9	-0,1	34 872	31 832	-8,7	-3 040
Radio, television and communication apparatus and professional equipment	1,1	106,0	98,1	-7,5	-0,1	12 428	11 959	-3,8	-469
-Radio, television and communication apparatus	0,4	116,9	101,3	-13,3	-0,1	6 164	5 453	-11,5	-711
-Professional equipment	0,7	99,1	96,1	-3,0	0,0	6 264	6 506	3,9	242
Motor vehicles, parts and accessories and other transport equipment	10,9	112,4	79,2	-29,5	-3,2	165 376	114 834	-30,6	-50 542
-Motor vehicles	4,9	105,5	66,1	-37,3	-1,7	81 426	55 974	-31,3	-25 452
-Bodies for motor vehicles, trailers and semi-trailers	0,5	157,7	103,7	-34,2	-0,2	7 414	5 494	-25,9	-1 920
-Parts and accessories	4,7	114,5	81,5	-28,8	-1,4	64 026	39 795	-37,8	-24 231
-Other transport equipment	0,9	115,5	123,4	6,8	0,1	12 511	13 571	8,5	1 060
Furniture and other manufacturing division	5,2	119,3	93,6	-21,5	-1,2	51 454	45 824	-10,9	-5 630
-Furniture	1,3	105,1	87,6	-16,7	-0,2	10 183	9 059	-11,0	-1 124
-Other manufacturing groups	3,9	124,1	95,7	-22,9	-1,0	41 271	36 765	-10,9	-4 506
Total	100,0	112,4	96,1	-14,5	-14,5	1 145 600	959 992	-16,2	-185 608

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 October 2009 was 90,9%. Improved response rate for September 2009 was 92,6%.
- 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, as well as for all small enterprises (size groups three and four). 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 D 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.
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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 divisions and major groups

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

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