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**Enquiries:**

User information services  
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email: [info@statssa.gov.za](mailto:info@statssa.gov.za)  
[www.statssa.gov.za](http://www.statssa.gov.za)

170 Andries Street • Private Bag X44, 0001 Pretoria, South Africa  
Tel: +27(12) 310 8911, Fax: +27(12) 321 7381

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## SUMMARY OF FINDINGS: MANUFACTURING PRODUCTION AND SALES

**Table A – Selected key figures regarding manufacturing production and sales for April 2010**

Actual estimates	April 2010	% change between April 2009 and April 2010	% change between February to April 2009 and February to April 2010	% change between January to April 2009 and January to April 2010
Physical volume of manufacturing production index (2005=100)	95,1	8,7	5,9	5,4
Total estimated sales of manufactured products at current prices (R million)	94 902	8,9	5,0	4,3

Seasonally adjusted estimates	April 2010	% change between March and April 2010	% change between November 2009 to January 2010 and February to April 2010
Physical volume of manufacturing production index (2005=100)	101,8	-1,0	0,8
Total estimated sales of manufactured products at current prices (R million)	101 970	-2,9	1,6

### Key findings regarding manufacturing production for April 2010

#### Seasonally adjusted production

***The seasonally adjusted manufacturing production for the three months ended April 2010 increased by 0,8% compared with the previous three months ended January 2010. Higher production levels were reported by six of the ten manufacturing divisions during the latest three months.***

The increase was driven by higher production in the petroleum, chemical products, rubber and plastic products division (2,2% and contributing 0,5 of a percentage point), the wood and wood products, paper, publishing and printing division (4,2% and contributing 0,4 of a percentage point), the electrical machinery division (5,0% and contributing 0,2 of a percentage point), the motor vehicles, parts and accessories and other transport equipment division (2,1% and contributing 0,2 of a percentage point), the basic iron and steel, non-ferrous metal products, metal products and machinery division (0,8% and contributing 0,2 of a percentage point) and the radio, television and communication apparatus and professional equipment division (6,3% and contributing 0,1 of a percentage point). However, these increases were partially counteracted by decreases reported by four manufacturing divisions ranging from the contribution of -0,3 of a percentage point for the glass and non-metallic mineral products division to -0,1 of a percentage point for the textiles, clothing, leather and footwear division (see Table B).

#### Estimated actual production

***The estimated manufacturing production for April 2010 increased by 8,7% compared with April 2009.***

The 8,7% increase in manufacturing production for April 2010 compared with April 2009 was due to higher production levels reported by eight of the ten manufacturing divisions, driven mainly by the motor vehicles, parts and accessories and other transport equipment division (45,9% and contributing 3,6 percentage points), the petroleum, chemical products, rubber and plastic products division (11,3% and contributing 2,9 percentage points), the basic iron and steel, non-ferrous metal products, metal products and machinery division (9,1% and contributing 1,9 percentage points) and the furniture and other manufacturing division (11,5% and contributing 0,5 of a percentage point) (see Table 4b).

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

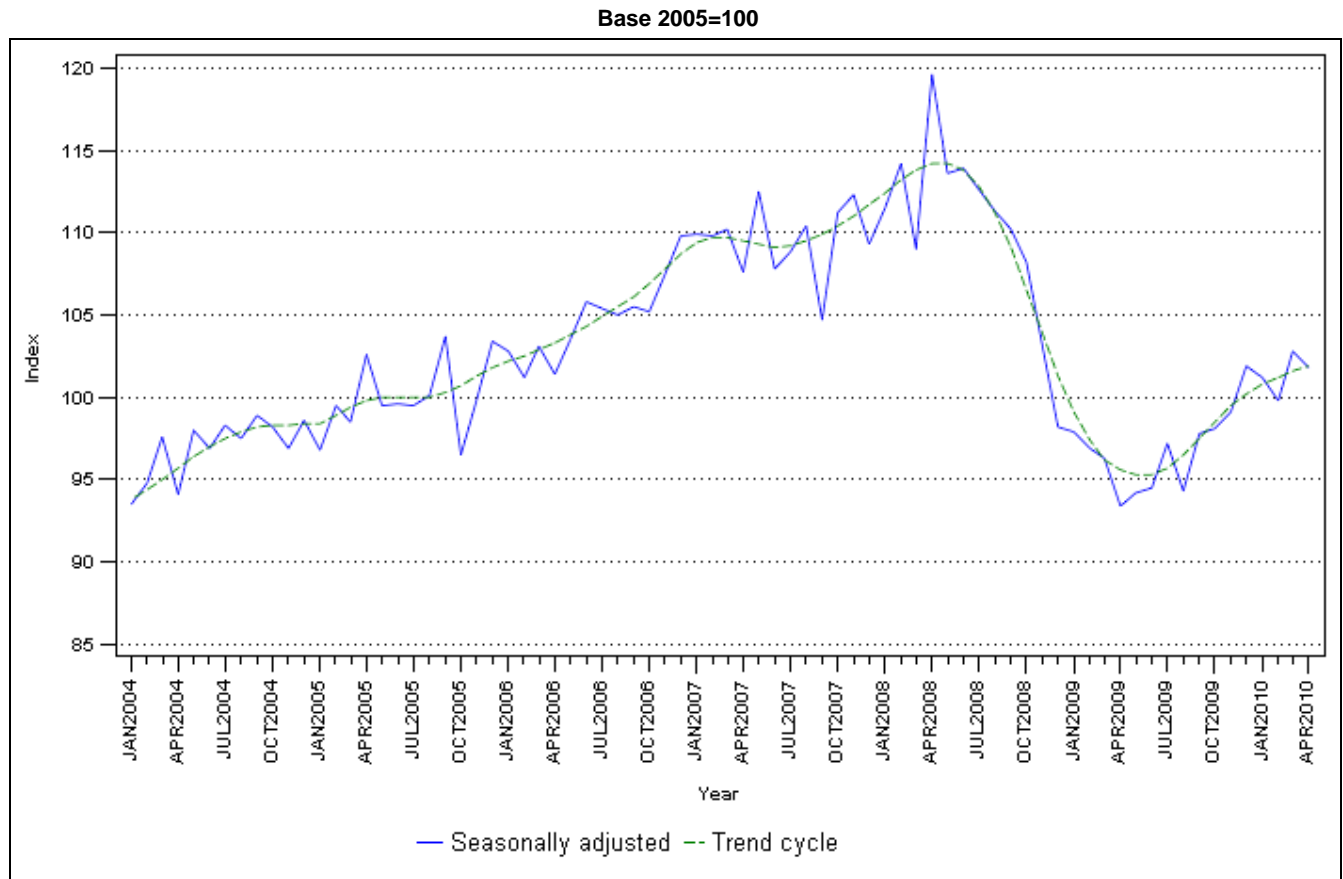
**Base 2005=100**

Manufacturing divisions and major groups	Percentage contribution to total manufacturing production using the weights according to large sample survey of the manufacturing industry, 2005	Average seasonally adjusted production index for November 2009 to January 2010	Average seasonally adjusted production index for February to April 2010	Quarterly percentage change of February to April 2010 compared with the preceding three months	Contribution (percentage points) to the seasonally adjusted quarterly percentage change in total manufacturing production 1/
<b>Food and beverages</b>	<b>15,4</b>	<b>112,2</b>	<b>110,7</b>	<b>-1,3</b>	<b>-0,2</b>
-Meat, fish, fruit, etc.	1,8	115,8	109,3	-5,6	-0,1
-Dairy products	0,8	110,2	105,9	-3,9	0,0
-Grain mill products	0,8	110,1	107,7	-2,2	0,0
-Other food products	5,2	107,8	108,3	0,5	0,0
-Beverages	6,8	114,9	113,8	-1,0	-0,1
<b>Textiles, clothing, leather and footwear</b>	<b>4,9</b>	<b>88,1</b>	<b>85,8</b>	<b>-2,6</b>	<b>-0,1</b>
-Textiles	1,6	74,3	73,4	-1,2	0,0
-Wearing apparel	2,3	93,0	89,5	-3,8	-0,1
-Leather and leather products	0,6	91,9	88,2	-4,0	0,0
-Footwear	0,4	107,5	109,6	2,0	0,0
<b>Wood and wood products, paper, publishing and printing</b>	<b>10,2</b>	<b>90,0</b>	<b>93,8</b>	<b>4,2</b>	<b>0,4</b>
-Wood and products of wood	2,0	84,8	85,7	1,1	0,0
-Paper and paper products	3,8	102,2	110,9	8,5	0,3
-Publishing and printing	4,3	81,7	82,3	0,7	0,0
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,1</b>	<b>111,8</b>	<b>114,3</b>	<b>2,2</b>	<b>0,5</b>
-Coke, petroleum products and nuclear fuel	8,5	96,8	88,0	-9,1	-0,7
-Basic chemicals	4,5	112,6	130,5	15,9	0,8
-Other chemical products	5,3	112,8	118,9	5,4	0,3
-Rubber products	1,0	80,4	86,6	7,7	0,1
-Plastic products	2,7	166,2	170,7	2,7	0,1
<b>Glass and non-metallic mineral products</b>	<b>4,8</b>	<b>96,0</b>	<b>90,5</b>	<b>-5,7</b>	<b>-0,3</b>
-Glass and glass products	1,0	124,2	115,9	-6,7	-0,1
-Non-metallic mineral products	3,8	89,0	84,2	-5,4	-0,2
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>22,9</b>	<b>92,1</b>	<b>92,8</b>	<b>0,8</b>	<b>0,2</b>
-Basic iron and steel products	7,7	93,8	89,2	-4,9	-0,4
-Basic precious, non-ferrous metal products	3,4	95,2	100,8	5,9	0,2
-Fabricated metal products	5,7	99,3	98,1	-1,2	-0,1
-Machinery and equipment	6,1	81,3	87,5	7,6	0,4
<b>Electrical machinery</b>	<b>2,5</b>	<b>121,2</b>	<b>127,3</b>	<b>5,0</b>	<b>0,2</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,1</b>	<b>90,8</b>	<b>96,5</b>	<b>6,3</b>	<b>0,1</b>
-Radio, television and communication apparatus	0,4	91,9	94,0	2,3	0,0
-Professional equipment	0,7	90,1	98,1	8,9	0,1
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>10,9</b>	<b>94,4</b>	<b>96,4</b>	<b>2,1</b>	<b>0,2</b>
-Motor vehicles	4,9	79,4	84,8	6,8	0,3
-Bodies for motor vehicles, trailers and semi-trailers	0,5	109,1	118,7	8,8	0,0
-Parts and accessories	4,7	102,4	104,2	1,8	0,1
-Other transport equipment	0,9	125,7	106,5	-15,3	-0,2
<b>Furniture and other manufacturing division</b>	<b>5,2</b>	<b>100,5</b>	<b>97,0</b>	<b>-3,5</b>	<b>-0,2</b>
-Furniture	1,3	90,9	91,2	0,3	0,0
-Other manufacturing groups	3,9	103,7	98,9	-4,6	-0,2
<b>Total</b>	<b>100,0</b>	<b>100,7</b>	<b>101,5</b>	<b>0,8</b>	<b>0,8</b>

1/ The contribution (percentage points) of a major group or division to the total seasonally adjusted manufacturing production is calculated by multiplying the difference 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 2004 and April 2010.

**Figure 1 – Index of the physical volume of manufacturing production: 2004 – 2010**



### Key findings regarding seasonally adjusted sales of manufactured products

*The estimated total value of sales of manufactured products at current prices for the three months ended April 2010 increased by 1,6% (R4 948 million), after seasonal adjustment, compared with the previous three months ended January 2010. Higher manufacturing sales were reported by seven of the ten manufacturing divisions during this period (see Table C).*

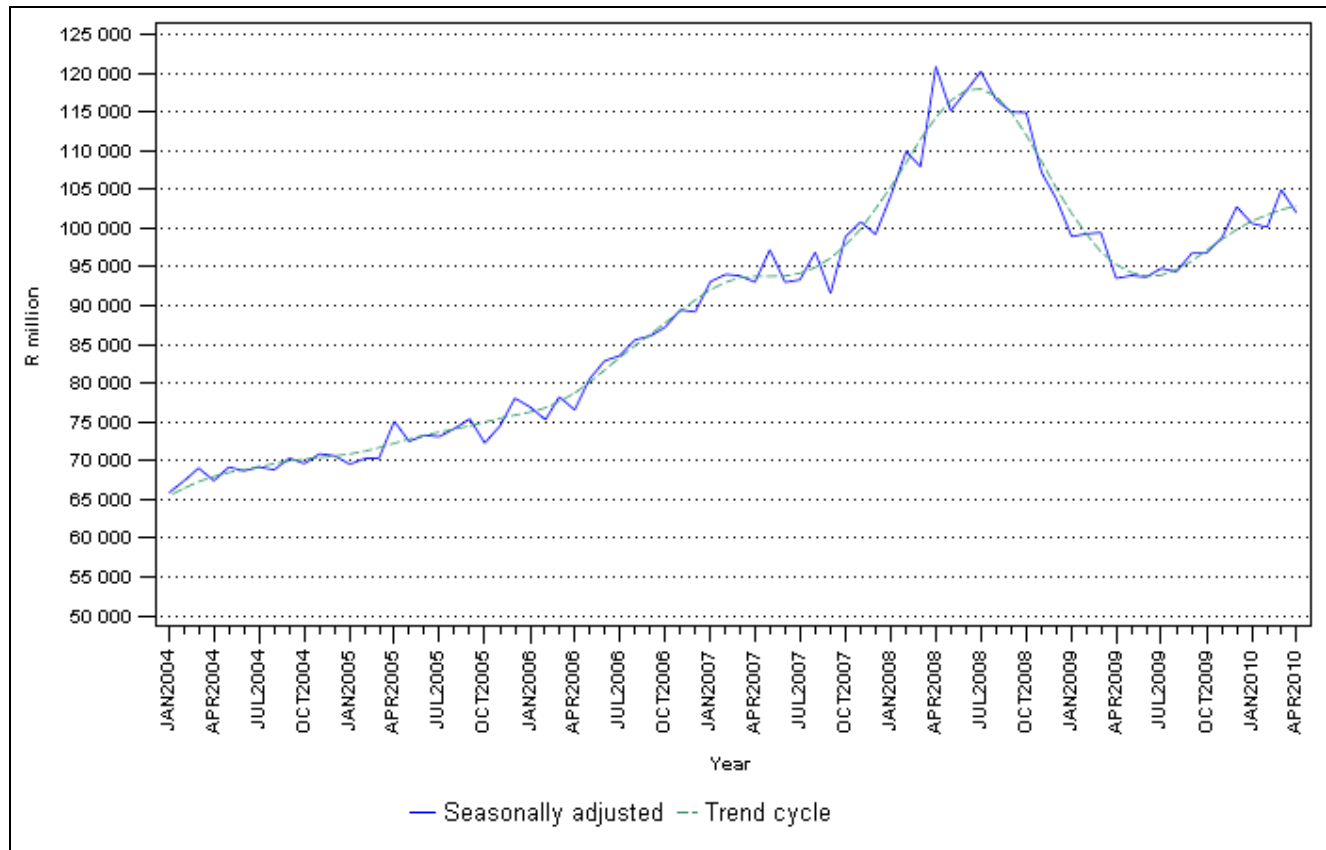
The large increase reported by the basic iron and steel, non-ferrous metal products, metal products and machinery division (8,6% or R4 976 million) during the above-mentioned period was mainly responsible for the increase in total manufacturing sales (see Table C).

**Table C – Contribution of manufacturing divisions and major groups to the three-monthly total seasonally adjusted sales of the manufacturing industry at current prices**

Manufacturing divisions and major groups	Seasonally adjusted sales November 2009 to January 2010	Seasonally adjusted sales February to April 2010	Percentage change between November 2009 to January 2010 and February to April 2010	Difference in seasonally adjusted sales of manufacturing divisions between November 2009 to January 2010 and February to April 2010
	R000	R000	%	R000
<b>Food and beverages</b>	<b>60 395 531</b>	<b>60 503 910</b>	<b>0,2</b>	<b>108 379</b>
-Food and food products	45 666 048	45 617 778	-0,1	-48 270
-Beverages	14 729 483	14 886 131	1,1	156 648
<b>Textiles, clothing, leather and footwear</b>	<b>9 338 259</b>	<b>9 376 285</b>	<b>0,4</b>	<b>38 026</b>
-Textiles	3 627 866	3 688 209	1,7	60 343
-Wearing apparel	3 713 701	3 695 422	-0,5	-18 279
-Leather and leather products	1 069 229	1 055 992	-1,2	-13 237
-Footwear	927 463	936 663	1,0	9 200
<b>Wood and wood products, paper, publishing and printing</b>	<b>25 263 996</b>	<b>26 210 295</b>	<b>3,7</b>	<b>946 299</b>
-Wood and products of wood	5 653 024	5 661 222	0,1	8 198
-Paper and paper products	11 277 440	12 069 009	7,0	791 569
-Publishing and printing	8 333 531	8 480 063	1,8	146 532
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>71 006 623</b>	<b>71 665 731</b>	<b>0,9</b>	<b>659 108</b>
-Coke, petroleum products and nuclear fuel	25 269 435	24 389 997	-3,5	-879 438
-Basic chemicals	13 568 757	14 268 057	5,2	699 300
-Other chemical products	16 666 221	16 718 296	0,3	52 075
-Rubber products	3 196 958	3 307 044	3,4	110 086
-Plastic products	12 305 252	12 982 335	5,5	677 083
<b>Glass and non-metallic mineral products</b>	<b>9 149 133</b>	<b>8 994 794</b>	<b>-1,7</b>	<b>-154 339</b>
-Glass and glass products	1 739 154	1 592 781	-8,4	-146 373
-Non-metallic mineral products	7 409 978	7 402 014	-0,1	-7 964
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>58 164 555</b>	<b>63 140 412</b>	<b>8,6</b>	<b>4 975 857</b>
-Basic iron and steel products	21 368 158	24 832 667	16,2	3 464 509
-Basic precious, non-ferrous metal products	8 073 503	8 628 741	6,9	555 238
-Fabricated metal products	14 549 177	14 805 596	1,8	256 419
-Machinery and equipment	14 173 717	14 873 406	4,9	699 689
<b>Electrical machinery</b>	<b>9 600 776</b>	<b>9 921 873</b>	<b>3,3</b>	<b>321 097</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>3 432 277</b>	<b>3 520 851</b>	<b>2,6</b>	<b>88 574</b>
-Radio, television and communication apparatus	1 504 044	1 573 764	4,6	69 720
-Professional equipment	1 928 233	1 947 087	1,0	18 854
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>40 197 500</b>	<b>39 613 410</b>	<b>-1,5</b>	<b>-584 090</b>
-Motor vehicles, trailers, parts and accessories	36 022 642	36 050 488	0,1	27 846
-Other transport equipment	4 174 858	3 562 923	-14,7	-611 935
<b>Furniture and other manufacturing division</b>	<b>15 579 337</b>	<b>14 128 116</b>	<b>-9,3</b>	<b>-1 451 221</b>
-Furniture	2 851 726	2 891 595	1,4	39 869
-Other manufacturing groups	12 727 611	11 236 522	-11,7	-1 491 089
<b>Total</b>	<b>302 127 989</b>	<b>307 075 676</b>	<b>1,6</b>	<b>4 947 687</b>

Figure 2 shows the seasonally adjusted and trend series for sales of manufactured products between January 2004 and April 2010.

**Figure 2 – Total estimated sales of the manufacturing industry at current prices: 2004 – 2010**



**P J Lehohla**  
**Statistician-General**

Detailed results: Tables

**Table 1 – Total index of the physical volume of manufacturing production: 2004 – 2010**

**Base 2005 = 100**

Month	2004	2005	2006	2007	2008	2009	2010
Jan	82,6	85,2	89,8	95,2	96,2	83,9	86,9
Feb	91,5	95,5	96,8	104,6	108,5	92,0	1/ 94,5
Mar	100,8	101,8	106,3	113,4	112,0	98,9	1/ 105,4
Apr	88,9	96,2	95,4	100,6	111,8	87,5	1/ 95,1
May	98,7	100,3	104,2	113,2	114,3	94,5	
Jun	97,6	100,1	106,6	108,9	115,1	95,5	
Jul	100,0	100,9	107,4	111,1	115,3	99,5	
Aug	100,3	103,3	108,7	114,4	115,0	97,4	
Sep	102,3	107,5	109,6	108,8	114,5	101,5	
Oct	108,2	106,9	117,0	124,2	121,4	109,9	
Nov	107,5	110,7	119,0	124,3	114,7	109,3	
Dec	87,0	91,4	96,9	96,6	88,2	91,0	
Year	97,1	100,0	104,8	109,6	110,6	96,7	

1/ Preliminary.

**Table 2 – Annual percentage change in the total index of the physical volume of manufacturing production: 2004 – 2010 2/**

Month	2004	2005	2006	2007	2008	2009	2010
Jan	-1,9	3,1	5,4	6,0	1,1	-12,8	3,6
Feb	-1,2	4,4	1,4	8,1	3,7	-15,2	2,7
Mar	5,0	1,0	4,4	6,7	-1,2	-11,7	6,6
Apr	0,1	8,2	-0,8	5,5	11,1	-21,7	8,7
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	-13,7	
Aug	6,8	3,0	5,2	5,2	0,5	-15,3	
Sep	6,5	5,1	2,0	-0,7	5,2	-11,4	
Oct	4,7	-1,2	9,4	6,2	-2,3	-9,5	
Nov	5,8	3,0	7,5	4,5	-7,7	-4,7	
Dec	7,8	5,1	6,0	-0,3	-8,7	3,2	
Year	4,0	3,0	4,8	4,6	0,9	-12,6	

2/ The annual percentage change is the change in the index of the physical volume of manufacturing production of the relevant month of the current year compared with the corresponding month of the previous year expressed as a percentage.

**Table 3 – Seasonally adjusted index of the total physical volume of manufacturing production: 2004 – 2010**

**Base 2005 = 100**

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



**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 2005	Average for 2009	Actual indices			Seasonally adjusted indices		
			April 2009	1/ March 2010	1/ April 2010	April 2009	March 2010	April 2010
<b>Food and beverages</b>	<b>15,4</b>	<b>111,7</b>	<b>100,0</b>	<b>116,9</b>	<b>100,1</b>	<b>107,2</b>	<b>116,2</b>	<b>107,3</b>
-Meat, fish, fruit, etc.	1,8	109,3	103,9	129,2	103,2	107,0	116,4	106,1
-Dairy products	0,8	109,7	103,9	109,1	100,7	110,8	108,5	107,8
-Grain mill products	0,8	108,5	101,0	120,0	98,2	104,6	114,7	101,9
-Other food products	5,2	110,3	95,4	96,6	103,4	100,5	106,9	109,0
-Beverages	6,8	113,9	102,0	129,5	97,0	112,2	124,4	106,9
<b>Textiles, clothing, leather and footwear</b>	<b>4,9</b>	<b>89,5</b>	<b>83,7</b>	<b>91,3</b>	<b>84,2</b>	<b>86,3</b>	<b>86,9</b>	<b>86,7</b>
-Textiles	0,7	73,7	72,0	79,0	64,5	78,4	70,7	70,3
-Other textile products	0,9	78,1	68,5	78,7	75,1	69,6	76,2	76,3
-Knitted, crocheted articles	0,2	104,4	116,3	127,4	133,6	110,6	117,4	125,9
-Wearing apparel	2,1	96,5	91,7	92,7	83,9	94,0	89,0	86,3
-Leather and leather products	0,6	83,6	76,3	94,3	93,1	76,7	88,1	93,3
-Footwear	0,4	107,3	93,7	113,0	104,9	101,7	112,4	113,8
<b>Wood and wood products, paper, publishing and printing</b>	<b>10,2</b>	<b>92,0</b>	<b>84,6</b>	<b>97,6</b>	<b>85,1</b>	<b>92,0</b>	<b>95,1</b>	<b>92,7</b>
-Sawmilling and planing of wood	0,7	73,4	64,8	91,5	84,0	69,8	84,8	90,5
-Products of wood	1,3	88,6	84,0	89,3	78,1	89,6	86,7	83,4
-Paper and paper products	3,8	103,6	96,3	116,3	99,7	103,8	115,3	107,8
-Publishing	1,9	86,8	83,3	83,6	70,3	93,2	79,6	78,9
-Printing, recorded media	2,5	84,8	73,4	85,1	77,5	80,5	82,7	85,1
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,1</b>	<b>107,5</b>	<b>101,0</b>	<b>114,6</b>	<b>112,4</b>	<b>104,5</b>	<b>113,9</b>	<b>116,7</b>
-Coke, petroleum products and nuclear fuel	8,5	95,3	97,8	89,0	89,7	96,1	89,0	87,8
-Basic chemicals	4,5	107,9	99,8	116,6	131,5	106,0	125,2	139,4
-Other chemical products	5,3	109,6	96,9	128,0	111,0	104,2	119,8	119,7
-Rubber products	1,0	77,3	69,3	95,3	83,6	74,0	87,4	89,2
-Plastic products	2,7	151,7	132,7	172,2	165,0	139,7	171,3	173,5
<b>Glass and non-metallic mineral products</b>	<b>4,8</b>	<b>96,5</b>	<b>92,0</b>	<b>94,1</b>	<b>86,9</b>	<b>94,6</b>	<b>91,7</b>	<b>89,4</b>
-Glass and glass products	1,0	121,6	104,1	107,0	109,5	111,0	116,3	116,7
-Non-metallic mineral products	3,8	90,2	89,0	90,9	81,3	90,5	85,6	82,6
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>22,9</b>	<b>85,9</b>	<b>78,8</b>	<b>98,4</b>	<b>86,0</b>	<b>83,6</b>	<b>93,8</b>	<b>91,2</b>
-Basic iron and steel products	7,7	72,0	61,3	87,8	82,1	63,8	88,9	85,6
-Non-ferrous metal products	3,4	95,4	89,3	104,3	97,7	92,9	99,9	101,8
-Structural metal products	2,0	96,7	100,1	84,0	91,9	104,0	83,0	95,5
-Other fabricated metal products	3,8	104,5	104,4	111,3	94,9	110,4	103,2	99,9
-General purpose machinery	2,4	73,2	68,3	72,7	66,1	72,1	71,6	69,9
-Special purpose machinery	3,1	88,3	72,0	130,4	81,4	83,8	111,1	94,5
-Household appliances	0,6	96,0	86,8	104,5	94,1	93,0	97,2	100,9
<b>Electrical machinery</b>	<b>2,5</b>	<b>121,2</b>	<b>120,2</b>	<b>141,9</b>	<b>124,1</b>	<b>126,1</b>	<b>131,6</b>	<b>129,9</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,1</b>	<b>98,7</b>	<b>88,5</b>	<b>97,4</b>	<b>85,1</b>	<b>98,7</b>	<b>97,8</b>	<b>94,8</b>
-Radio, television and communication apparatus	0,4	102,8	94,9	98,9	78,8	107,5	95,3	89,2
-Professional equipment	0,7	96,1	84,4	96,5	89,1	93,2	99,4	98,4
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>10,9</b>	<b>79,7</b>	<b>62,5</b>	<b>101,9</b>	<b>91,2</b>	<b>68,9</b>	<b>96,7</b>	<b>100,4</b>
-Motor vehicles	4,9	66,1	46,4	88,3	77,5	54,2	86,5	90,2
-Bodies for motor vehicles, trailers and semi-trailers	0,5	104,3	99,2	131,4	111,4	102,7	126,3	115,3
-Parts and accessories	4,7	82,4	66,6	109,5	103,5	70,5	102,9	109,0
-Other transport equipment	0,9	124,8	107,5	120,2	91,9	120,4	104,3	103,2
<b>Furniture and other manufacturing division</b>	<b>5,2</b>	<b>94,5</b>	<b>72,1</b>	<b>94,3</b>	<b>80,4</b>	<b>90,7</b>	<b>96,6</b>	<b>102,2</b>
-Furniture	1,3	88,8	81,7	83,4	83,9	89,8	91,7	92,1
-Other manufacturing groups	3,9	96,4	68,9	97,9	79,1	91,1	98,2	105,6
<b>Total</b>	<b>100,0</b>	<b>96,7</b>	<b>87,5</b>	<b>105,4</b>	<b>95,1</b>	<b>93,4</b>	<b>102,8</b>	<b>101,8</b>

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 2005	Average for 2009	Actual indices			Seasonally adjusted indices		
			April 2009	1/ April 2010	Percentage change between April 2009 and April 2010	March 2010	April 2010	Percentage change between March and April 2010
<b>Food and beverages</b>	<b>15,4</b>	<b>111,7</b>	<b>100,0</b>	<b>100,1</b>	<b>0,1</b>	<b>116,2</b>	<b>107,3</b>	<b>-7,7</b>
-Meat, fish, fruit, etc.	1,8	109,3	103,9	103,2	-0,7	116,4	106,1	-8,8
-Dairy products	0,8	109,7	103,9	100,7	-3,1	108,5	107,8	-0,6
-Grain mill products	0,8	108,5	101,0	98,2	-2,8	114,7	101,9	-11,2
-Other food products	5,2	110,3	95,4	103,4	8,4	106,9	109,0	2,0
-Beverages	6,8	113,9	102,0	97,0	-4,9	124,4	106,9	-14,1
<b>Textiles, clothing, leather and footwear</b>	<b>4,9</b>	<b>89,5</b>	<b>83,7</b>	<b>84,2</b>	<b>0,6</b>	<b>86,9</b>	<b>86,7</b>	<b>-0,2</b>
-Textiles	0,7	73,7	72,0	64,5	-10,4	70,7	70,3	-0,6
-Other textile products	0,9	78,1	68,5	75,1	9,6	76,2	76,3	0,1
-Knitted, crocheted articles	0,2	104,4	116,3	133,6	14,9	117,4	125,9	7,2
-Wearing apparel	2,1	96,5	91,7	83,9	-8,5	89,0	86,3	-3,0
-Leather and leather products	0,6	83,6	76,3	93,1	22,0	88,1	93,3	5,9
-Footwear	0,4	107,3	93,7	104,9	12,0	112,4	113,8	1,2
<b>Wood and wood products, paper, publishing and printing</b>	<b>10,2</b>	<b>92,0</b>	<b>84,6</b>	<b>85,1</b>	<b>0,6</b>	<b>95,1</b>	<b>92,7</b>	<b>-2,5</b>
-Sawmilling and planing of wood	0,7	73,4	64,8	84,0	29,6	84,8	90,5	6,7
-Products of wood	1,3	88,6	84,0	78,1	-7,0	86,7	83,4	-3,8
-Paper and paper products	3,8	103,6	96,3	99,7	3,5	115,3	107,8	-6,5
-Publishing	1,9	86,8	83,3	70,3	-15,6	79,6	78,9	-0,9
-Printing, recorded media	2,5	84,8	73,4	77,5	5,6	82,7	85,1	2,9
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,1</b>	<b>107,5</b>	<b>101,0</b>	<b>112,4</b>	<b>11,3</b>	<b>113,9</b>	<b>116,7</b>	<b>2,5</b>
-Coke, petroleum products and nuclear fuel	8,5	95,3	97,8	89,7	-8,3	89,0	87,8	-1,3
-Basic chemicals	4,5	107,9	99,8	131,5	31,8	125,2	139,4	11,3
-Other chemical products	5,3	109,6	96,9	111,0	14,6	119,8	119,7	-0,1
-Rubber products	1,0	77,3	69,3	83,6	20,6	87,4	89,2	2,1
-Plastic products	2,7	151,7	132,7	165,0	24,3	171,3	173,5	1,3
<b>Glass and non-metallic mineral products</b>	<b>4,8</b>	<b>96,5</b>	<b>92,0</b>	<b>86,9</b>	<b>-5,5</b>	<b>91,7</b>	<b>89,4</b>	<b>-2,5</b>
-Glass and glass products	1,0	121,6	104,1	109,5	5,2	116,3	116,7	0,3
-Non-metallic mineral products	3,8	90,2	89,0	81,3	-8,7	85,6	82,6	-3,5
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>22,9</b>	<b>85,9</b>	<b>78,8</b>	<b>86,0</b>	<b>9,1</b>	<b>93,8</b>	<b>91,2</b>	<b>-2,8</b>
-Basic iron and steel products	7,7	72,0	61,3	82,1	33,9	88,9	85,6	-3,7
-Non-ferrous metal products	3,4	95,4	89,3	97,7	9,4	99,9	101,8	1,9
-Structural metal products	2,0	96,7	100,1	91,9	-8,2	83,0	95,5	15,1
-Other fabricated metal products	3,8	104,5	104,4	94,9	-9,1	103,2	99,9	-3,2
-General purpose machinery	2,4	73,2	68,3	66,1	-3,2	71,6	69,9	-2,4
-Special purpose machinery	3,1	88,3	72,0	81,4	13,1	111,1	94,5	-14,9
-Household appliances	0,6	96,0	86,8	94,1	8,4	97,2	100,9	3,8
<b>Electrical machinery</b>	<b>2,5</b>	<b>121,2</b>	<b>120,2</b>	<b>124,1</b>	<b>3,2</b>	<b>131,6</b>	<b>129,9</b>	<b>-1,3</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,1</b>	<b>98,7</b>	<b>88,5</b>	<b>85,1</b>	<b>-3,8</b>	<b>97,8</b>	<b>94,8</b>	<b>-3,1</b>
-Radio, television and communication apparatus	0,4	102,8	94,9	78,8	-17,0	95,3	89,2	-6,4
-Professional equipment	0,7	96,1	84,4	89,1	5,6	99,4	98,4	-1,0
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>10,9</b>	<b>79,7</b>	<b>62,5</b>	<b>91,2</b>	<b>45,9</b>	<b>96,7</b>	<b>100,4</b>	<b>3,8</b>
-Motor vehicles	4,9	66,1	46,4	77,5	67,0	86,5	90,2	4,3
-Bodies for motor vehicles, trailers and semi-trailers	0,5	104,3	99,2	111,4	12,3	126,3	115,3	-8,7
-Parts and accessories	4,7	82,4	66,6	103,5	55,4	102,9	109,0	5,9
-Other transport equipment	0,9	124,8	107,5	91,9	-14,5	104,3	103,2	-1,1
<b>Furniture and other manufacturing division</b>	<b>5,2</b>	<b>94,5</b>	<b>72,1</b>	<b>80,4</b>	<b>11,5</b>	<b>96,6</b>	<b>102,2</b>	<b>5,8</b>
-Furniture	1,3	88,8	81,7	83,9	2,7	91,7	92,1	0,4
-Other manufacturing groups	3,9	96,4	68,9	79,1	14,8	98,2	105,6	7,5
<b>Total</b>	<b>100,0</b>	<b>96,7</b>	<b>87,5</b>	<b>95,1</b>	<b>8,7</b>	<b>102,8</b>	<b>101,8</b>	<b>-1,0</b>

1/ Preliminary.

**Table 5 – Total estimated sales of the manufacturing industry at current prices (R000): 2004 – 2010**

Month	2004	2005	2006	2007	2008	2009	2010
Jan	55 702 288	58 705 257	64 904 290	78 599 468	88 223 092	83 315 861	84 932 700
Feb	65 027 262	67 592 645	72 163 648	89 769 884	104 338 982	94 452 035	1/ 95 285 023
Mar	70 936 530	72 099 488	80 114 612	96 207 130	110 254 490	101 729 244	1/ 107 382 076
Apr	63 759 248	70 718 822	71 780 033	86 839 371	112 640 753	87 148 078	1/ 94 902 156
May	69 557 193	72 750 078	80 692 987	97 573 896	115 671 466	93 686 610	
Jun	69 338 797	74 062 607	84 011 510	94 620 631	120 138 492	95 271 113	
Jul	69 855 977	74 136 551	85 136 537	95 460 248	123 799 542	97 023 688	
Aug	70 632 321	76 550 034	88 805 047	100 791 378	121 886 864	98 084 036	
Sep	73 800 845	79 380 270	90 800 328	96 560 089	121 355 165	101 809 619	
Oct	76 370 559	79 431 755	96 059 766	109 274 819	127 291 387	107 197 685	
Nov	78 717 134	82 992 688	99 301 579	111 717 168	118 691 642	109 078 529	
Dec	64 304 382	70 482 179	79 607 355	88 372 560	93 232 454	92 803 302	
Year	<b>828 002 536</b>	<b>878 902 374</b>	<b>993 377 692</b>	<b>1 145 786 642</b>	<b>1 357 524 329</b>	<b>1 161 599 800</b>	

1/ Preliminary.

**Table 6 – Annual percentage change in the total estimated value of sales of the manufacturing industry: 2004 – 2010 2/**

Month	2004	2005	2006	2007	2008	2009	2010
Jan	1,3	5,4	10,6	21,1	12,2	-5,6	1,9
Feb	3,6	3,9	6,8	24,4	16,2	-9,5	0,9
Mar	8,5	1,6	11,1	20,1	14,6	-7,7	5,6
Apr	4,3	10,9	1,5	21,0	29,7	-22,6	8,9
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	-21,6	
Aug	10,5	8,4	16,0	13,5	20,9	-19,5	
Sep	12,6	7,6	14,4	6,3	25,7	-16,1	
Oct	8,7	4,0	20,9	13,8	16,5	-15,8	
Nov	14,1	5,4	19,7	12,5	6,2	-8,1	
Dec	10,1	9,6	12,9	11,0	5,5	-0,5	
Year	<b>8,7</b>	<b>6,1</b>	<b>13,0</b>	<b>15,3</b>	<b>18,5</b>	<b>-14,4</b>	

2/ The annual percentage change is the change in the sales of the manufacturing industry of the relevant month of the current year compared with the sales of the corresponding month of the previous year expressed as a percentage.

**Table 7 – Total seasonally adjusted sales of the manufacturing industry at current prices (R000): 2004 – 2010**

Month	2004	2005	2006	2007	2008	2009	2010
Jan	65 856 745	69 534 581	76 921 462	93 114 358	104 207 050	98 922 330	100 608 367
Feb	67 418 135	70 297 451	75 274 181	94 046 135	109 909 374	99 288 152	100 136 782
Mar	69 045 057	70 309 979	78 225 502	93 867 045	107 935 531	99 442 718	104 969 095
Apr	67 398 613	75 076 647	76 558 973	93 034 552	120 856 698	93 524 925	101 969 799
May	69 173 223	72 481 214	80 512 292	97 212 464	115 137 525	93 884 888	
Jun	68 673 212	73 273 550	82 895 211	93 017 855	117 670 178	93 695 484	
Jul	69 180 337	73 089 928	83 541 479	93 346 974	120 211 367	94 811 648	
Aug	68 821 185	74 152 378	85 593 484	96 892 948	116 568 725	94 401 318	
Sep	70 331 442	75 382 242	86 084 140	91 585 650	114 991 097	96 780 395	
Oct	69 617 349	72 279 528	87 209 724	98 906 267	114 933 939	96 782 712	
Nov	70 893 983	74 466 410	89 462 017	100 816 756	107 193 787	98 755 498	
Dec	70 632 226	78 055 930	89 204 576	99 199 572	103 773 668	102 764 124	

**Table 8a – Estimated sales of the manufacturing industry at current prices according to manufacturing divisions and major groups (R000)**

Manufacturing divisions and major groups	Year 2009	Actual values			Seasonally adjusted values		
		April 2009	1/ March 2010	1/ April 2010	April 2009	March 2010	April 2010
<b>Food and beverages</b>	<b>240 845 177</b>	<b>18 811 508</b>	<b>21 218 423</b>	<b>18 385 632</b>	<b>19 811 139</b>	<b>21 232 436</b>	<b>19 349 012</b>
-Meat, fish, fruit, etc.	63 578 365	5 030 097	6 015 429	4 940 675	5 261 644	5 726 288	5 164 263
-Dairy products	20 468 131	1 604 516	1 846 185	1 643 596	1 701 282	1 818 196	1 742 856
-Grain mill products	45 484 365	3 629 959	3 917 003	3 186 489	3 778 843	3 845 156	3 317 194
-Other food products	53 840 204	4 113 190	4 115 309	4 225 129	4 269 172	4 425 727	4 388 002
-Beverages	57 474 112	4 433 746	5 324 497	4 389 743	4 800 199	5 417 068	4 736 697
<b>Textiles, clothing, leather and footwear</b>	<b>38 323 315</b>	<b>3 096 720</b>	<b>3 307 351</b>	<b>3 097 949</b>	<b>3 200 159</b>	<b>3 122 419</b>	<b>3 199 222</b>
-Textiles	5 754 712	490 747	510 479	428 185	502 701	456 502	439 374
-Other textile products	9 345 257	734 647	788 129	802 533	768 290	742 653	835 705
-Knitted, crocheted articles	1 645 824	149 699	166 099	177 495	144 165	145 572	169 743
-Wearing apparel	14 092 990	1 169 432	1 151 320	1 045 455	1 201 501	1 101 864	1 076 546
-Leather and leather products	3 879 847	295 020	380 084	357 587	298 543	354 189	360 208
-Footwear	3 604 685	257 175	311 240	286 694	284 959	321 639	317 646
<b>Wood and wood products, paper, publishing and printing</b>	<b>101 721 747</b>	<b>7 630 583</b>	<b>9 093 871</b>	<b>7 872 396</b>	<b>8 423 401</b>	<b>8 813 837</b>	<b>8 699 072</b>
-Sawmilling and planing of wood	6 382 241	465 912	628 669	591 266	501 076	613 794	637 913
-Products of wood	15 749 367	1 225 182	1 282 325	1 170 663	1 316 249	1 291 846	1 257 645
-Paper and paper products	45 633 499	3 428 893	4 266 180	3 557 966	3 866 136	4 078 302	4 018 781
-Publishing	13 331 316	1 033 754	1 105 056	933 681	1 152 210	1 069 690	1 044 216
-Printing, recorded media	20 625 324	1 476 842	1 811 641	1 618 820	1 587 731	1 760 205	1 740 517
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>269 871 735</b>	<b>20 206 644</b>	<b>23 675 143</b>	<b>22 536 756</b>	<b>21 524 012</b>	<b>24 013 753</b>	<b>24 040 497</b>
-Coke, petroleum products and nuclear fuel	93 661 889	6 988 638	7 466 381	7 472 023	7 411 654	8 207 325	7 937 440
-Basic chemicals	53 153 291	4 055 370	4 760 943	4 539 897	4 338 503	4 795 030	4 864 488
-Other chemical products	64 929 930	4 917 344	5 854 050	5 312 920	5 236 359	5 557 770	5 663 779
-Rubber products	12 371 122	886 961	1 250 904	1 048 976	940 671	1 117 210	1 115 265
-Plastic products	45 755 503	3 358 331	4 342 865	4 162 940	3 596 826	4 336 418	4 459 524
<b>Glass and non-metallic mineral products</b>	<b>36 097 324</b>	<b>2 667 011</b>	<b>3 104 785</b>	<b>2 796 809</b>	<b>2 881 038</b>	<b>2 989 529</b>	<b>3 024 214</b>
-Glass and glass products	6 605 208	446 967	472 219	486 189	486 447	515 602	529 062
-Non-metallic mineral products	29 492 116	2 220 044	2 632 566	2 310 620	2 394 591	2 473 927	2 495 152
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>226 472 456</b>	<b>16 796 262</b>	<b>22 506 228</b>	<b>19 574 048</b>	<b>18 056 746</b>	<b>21 870 770</b>	<b>21 031 428</b>
-Basic iron and steel products	77 590 894	5 280 262	8 205 279	7 836 253	5 655 011	8 566 700	8 401 649
-Non-ferrous metal products	31 889 556	2 634 440	3 029 205	2 969 271	2 698 031	2 972 747	3 034 938
-Structural metal products	21 258 572	1 734 184	1 717 135	1 557 782	1 824 668	1 627 369	1 634 410
-Other fabricated metal products	38 068 027	2 948 016	3 551 508	2 941 186	3 206 999	3 365 910	3 207 585
-General purpose machinery	22 530 421	1 743 966	1 889 146	1 680 238	1 860 906	1 862 073	1 794 741
-Special purpose machinery	25 790 190	1 761 543	3 256 823	1 837 313	2 096 309	2 688 116	2 183 278
-Household appliances	9 344 796	693 851	857 132	752 005	714 822	787 855	774 827
<b>Electrical machinery</b>	<b>37 917 103</b>	<b>3 220 951</b>	<b>3 741 165</b>	<b>3 125 298</b>	<b>3 400 064</b>	<b>3 449 469</b>	<b>3 278 079</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>14 337 276</b>	<b>1 092 976</b>	<b>1 254 324</b>	<b>1 023 367</b>	<b>1 211 647</b>	<b>1 201 302</b>	<b>1 130 757</b>
-Radio, television and communication apparatus	6 543 934	504 967	565 988	435 130	571 376	541 829	491 097
-Professional equipment	7 793 342	588 009	688 336	588 237	640 271	659 473	639 660
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>139 600 661</b>	<b>9 382 528</b>	<b>14 834 347</b>	<b>11 945 866</b>	<b>10 457 347</b>	<b>13 311 275</b>	<b>13 344 308</b>
-Motor vehicles	68 801 772	4 191 067	7 956 494	6 098 079	4 890 722	7 025 782	7 108 248
-Bodies for motor vehicles, trailers and semi-trailers	6 588 091	542 573	621 652	561 441	574 811	616 146	589 452
-Parts and accessories	47 749 947	3 458 051	4 928 958	4 262 494	3 657 598	4 502 300	4 497 446
-Other transport equipment	16 460 851	1 190 837	1 327 243	1 023 852	1 334 215	1 167 047	1 149 162
<b>Furniture and other manufacturing division</b>	<b>56 413 006</b>	<b>4 242 895</b>	<b>4 646 439</b>	<b>4 544 035</b>	<b>4 559 373</b>	<b>4 964 305</b>	<b>4 873 211</b>
-Furniture	11 072 539	839 363	874 634	881 410	927 037	967 838	972 968
-Other manufacturing groups	45 340 467	3 403 532	3 771 805	3 662 625	3 632 335	3 996 468	3 900 243
<b>Total</b>	<b>1 161 599 800</b>	<b>87 148 078</b>	<b>107 382 076</b>	<b>94 902 156</b>	<b>93 524 925</b>	<b>104 969 095</b>	<b>101 969 799</b>

1/ Preliminary.

**Table 8b – Estimated sales of the manufacturing industry at current prices according to manufacturing divisions and major groups (R000) (concluded)**

Manufacturing divisions and major groups	Year 2009	Actual values			Seasonally adjusted values		
		April 2009	1/ April 2010	Percentage change between April 2009 and April 2010	March 2010	April 2010	Percentage change between March and April 2010
<b>Food and beverages</b>	<b>240 845 177</b>	<b>18 811 508</b>	<b>18 385 632</b>	<b>-2,3</b>	<b>21 232 436</b>	<b>19 349 012</b>	<b>-8,9</b>
-Meat, fish, fruit, etc.	63 578 365	5 030 097	4 940 675	-1,8	5 726 288	5 164 263	-9,8
-Dairy products	20 468 131	1 604 516	1 643 596	2,4	1 818 196	1 742 856	-4,1
-Grain mill products	45 484 365	3 629 959	3 186 489	-12,2	3 845 156	3 317 194	-13,7
-Other food products	53 840 204	4 113 190	4 225 129	2,7	4 425 727	4 388 002	-0,9
-Beverages	57 474 112	4 433 746	4 389 743	-1,0	5 417 068	4 736 697	-12,6
<b>Textiles, clothing, leather and footwear</b>	<b>38 323 315</b>	<b>3 096 720</b>	<b>3 097 949</b>	<b>0,0</b>	<b>3 122 419</b>	<b>3 199 222</b>	<b>2,5</b>
-Textiles	5 754 712	490 747	428 185	-12,7	456 502	439 374	-3,8
-Other textile products	9 345 257	734 647	802 533	9,2	742 653	835 705	12,5
-Knitted, crocheted articles	1 645 824	149 699	177 495	18,6	145 572	169 743	16,6
-Wearing apparel	14 092 990	1 169 432	1 045 455	-10,6	1 101 864	1 076 546	-2,3
-Leather and leather products	3 879 847	295 020	357 587	21,2	354 189	360 208	1,7
-Footwear	3 604 685	257 175	286 694	11,5	321 639	317 646	-1,2
<b>Wood and wood products, paper, publishing and printing</b>	<b>101 721 747</b>	<b>7 630 583</b>	<b>7 872 396</b>	<b>3,2</b>	<b>8 813 837</b>	<b>8 699 072</b>	<b>-1,3</b>
-Sawmilling and planing of wood	6 382 241	465 912	591 266	26,9	613 794	637 913	3,9
-Products of wood	15 749 367	1 225 182	1 170 663	-4,4	1 291 846	1 257 645	-2,6
-Paper and paper products	45 633 499	3 428 893	3 557 966	3,8	4 078 302	4 018 781	-1,5
-Publishing	13 331 316	1 033 754	933 681	-9,7	1 069 690	1 044 216	-2,4
-Printing, recorded media	20 625 324	1 476 842	1 618 820	9,6	1 760 205	1 740 517	-1,1
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>269 871 735</b>	<b>20 206 644</b>	<b>22 536 756</b>	<b>11,5</b>	<b>24 013 753</b>	<b>24 040 497</b>	<b>0,1</b>
-Coke, petroleum products and nuclear fuel	93 661 889	6 988 638	7 472 023	6,9	8 207 325	7 937 440	-3,3
-Basic chemicals	53 153 291	4 055 370	4 539 897	11,9	4 795 030	4 864 488	1,4
-Other chemical products	64 929 930	4 917 344	5 312 920	8,0	5 557 770	5 663 779	1,9
-Rubber products	12 371 122	886 961	1 048 976	18,3	1 117 210	1 115 265	-0,2
-Plastic products	45 755 503	3 358 331	4 162 940	24,0	4 336 418	4 459 524	2,8
<b>Glass and non-metallic mineral products</b>	<b>36 097 324</b>	<b>2 667 011</b>	<b>2 796 809</b>	<b>4,9</b>	<b>2 989 529</b>	<b>3 024 214</b>	<b>1,2</b>
-Glass and glass products	6 605 208	446 967	486 189	8,8	515 602	529 062	2,6
-Non-metallic mineral products	29 492 116	2 220 044	2 310 620	4,1	2 473 927	2 495 152	0,9
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>226 472 456</b>	<b>16 796 262</b>	<b>19 574 048</b>	<b>16,5</b>	<b>21 870 770</b>	<b>21 031 428</b>	<b>-3,8</b>
-Basic iron and steel products	77 590 894	5 280 262	7 836 253	48,4	8 566 700	8 401 649	-1,9
-Non-ferrous metal products	31 889 556	2 634 440	2 969 271	12,7	2 972 747	3 034 938	2,1
-Structural metal products	21 258 572	1 734 184	1 557 782	-10,2	1 627 369	1 634 410	0,4
-Other fabricated metal products	38 068 027	2 948 016	2 941 186	-0,2	3 365 910	3 207 585	-4,7
-General purpose machinery	22 530 421	1 743 966	1 680 238	-3,7	1 862 073	1 794 741	-3,6
-Special purpose machinery	25 790 190	1 761 543	1 837 313	4,3	2 688 116	2 183 278	-18,8
-Household appliances	9 344 796	693 851	752 005	8,4	787 855	774 827	-1,7
<b>Electrical machinery</b>	<b>37 917 103</b>	<b>3 220 951</b>	<b>3 125 298</b>	<b>-3,0</b>	<b>3 449 469</b>	<b>3 278 079</b>	<b>-5,0</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>14 337 276</b>	<b>1 092 976</b>	<b>1 023 367</b>	<b>-6,4</b>	<b>1 201 302</b>	<b>1 130 757</b>	<b>-5,9</b>
-Radio, television and communication apparatus	6 543 934	504 967	435 130	-13,8	541 829	491 097	-9,4
-Professional equipment	7 793 342	588 009	588 237	0,0	659 473	639 660	-3,0
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>139 600 661</b>	<b>9 382 528</b>	<b>11 945 866</b>	<b>27,3</b>	<b>13 311 275</b>	<b>13 344 308</b>	<b>0,2</b>
-Motor vehicles	68 801 772	4 191 067	6 098 079	45,5	7 025 782	7 108 248	1,2
-Bodies for motor vehicles, trailers and semi-trailers	6 588 091	542 573	561 441	3,5	616 146	589 452	-4,3
-Parts and accessories	47 749 947	3 458 051	4 262 494	23,3	4 502 300	4 497 446	-0,1
-Other transport equipment	16 460 851	1 190 837	1 023 852	-14,0	1 167 047	1 149 162	-1,5
<b>Furniture and other manufacturing division</b>	<b>56 413 006</b>	<b>4 242 895</b>	<b>4 544 035</b>	<b>7,1</b>	<b>4 964 305</b>	<b>4 873 211</b>	<b>-1,8</b>
-Furniture	11 072 539	839 363	881 410	5,0	967 838	972 968	0,5
-Other manufacturing groups	45 340 467	3 403 532	3 662 625	7,6	3 996 468	3 900 243	-2,4
<b>Total</b>	<b>1 161 599 800</b>	<b>87 148 078</b>	<b>94 902 156</b>	<b>8,9</b>	<b>104 969 095</b>	<b>101 969 799</b>	<b>-2,9</b>

1/ Preliminary.

**Table 9 – Annual percentage change in the three-monthly 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 (R000)		
		February to April 2009	February to April 2010	Annual percentage change between February to April 2009 and February to April 2010	February to April 2009	February to April 2010	Annual percentage change between February to April 2009 and February to April 2010
<b>Food and beverages</b>	<b>15,4</b>	<b>102,7</b>	<b>105,7</b>	<b>2,9</b>	<b>57 566 933</b>	<b>58 638 508</b>	<b>1,9</b>
-Meat, fish, fruit, etc.	1,8	107,4	112,2	4,5	15 370 707	15 871 493	3,3
-Dairy products	0,8	105,4	101,6	-3,6	4 913 496	5 052 131	2,8
-Grain mill products	0,8	105,3	105,6	0,3	11 302 450	10 309 288	-8,8
-Other food products	5,2	93,0	95,6	2,8	12 641 528	12 789 490	1,2
-Beverages	6,8	108,3	112,2	3,6	13 338 752	14 616 106	9,6
<b>Textiles, clothing, leather and footwear</b>	<b>4,9</b>	<b>92,6</b>	<b>86,6</b>	<b>-6,5</b>	<b>9 910 505</b>	<b>9 418 572</b>	<b>-5,0</b>
-Textiles	0,7	84,0	73,0	-13,1	1 601 112	1 404 790	-12,3
-Other textile products	0,9	82,2	77,3	-6,0	2 450 450	2 354 183	-3,9
-Knitted, crocheted articles	0,2	117,5	124,7	6,1	461 614	484 323	4,9
-Wearing apparel	2,1	100,7	87,5	-13,1	3 666 895	3 214 543	-12,3
-Leather and leather products	0,6	78,8	90,9	15,4	925 945	1 094 892	18,2
-Footwear	0,4	99,2	103,2	4,0	804 489	865 841	7,6
<b>Wood and wood products, paper, publishing and printing</b>	<b>10,2</b>	<b>92,6</b>	<b>90,8</b>	<b>-1,9</b>	<b>25 138 504</b>	<b>25 345 613</b>	<b>0,8</b>
-Sawmilling and planing of wood	0,7	73,8	86,4	17,1	1 499 386	1 815 062	21,1
-Products of wood	1,3	89,4	82,9	-7,3	3 873 828	3 662 670	-5,5
-Paper and paper products	3,8	102,8	106,2	3,3	11 314 206	11 566 365	2,2
-Publishing	1,9	91,5	77,3	-15,5	3 422 500	3 106 381	-9,2
-Printing, recorded media	2,5	84,4	82,4	-2,4	5 028 584	5 195 135	3,3
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,1</b>	<b>102,2</b>	<b>110,2</b>	<b>7,8</b>	<b>63 401 219</b>	<b>67 524 698</b>	<b>6,5</b>
-Coke, petroleum products and nuclear fuel	8,5	89,3	85,3	-4,5	20 121 847	21 811 760	8,4
-Basic chemicals	4,5	105,3	120,9	14,8	13 847 625	13 407 517	-3,2
-Other chemical products	5,3	108,3	116,9	7,9	15 886 537	16 406 919	3,3
-Rubber products	1,0	78,6	88,8	13,0	3 182 375	3 411 133	7,2
-Plastic products	2,7	134,7	165,3	22,7	10 362 835	12 487 369	20,5
<b>Glass and non-metallic mineral products</b>	<b>4,8</b>	<b>95,3</b>	<b>88,4</b>	<b>-7,2</b>	<b>8 762 491</b>	<b>8 754 673</b>	<b>-0,1</b>
-Glass and glass products	1,0	116,9	110,4	-5,6	1 513 119	1 479 989	-2,2
-Non-metallic mineral products	3,8	89,9	83,0	-7,7	7 249 372	7 274 684	0,3
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>22,9</b>	<b>82,5</b>	<b>90,5</b>	<b>9,7</b>	<b>56 140 697</b>	<b>60 987 612</b>	<b>8,6</b>
-Basic iron and steel products	7,7	56,9	83,7	47,1	17 934 095	23 158 965	29,1
-Non-ferrous metal products	3,4	91,7	98,9	7,9	7 996 271	8 327 515	4,1
-Structural metal products	2,0	102,6	86,0	-16,2	5 786 588	4 806 815	-16,9
-Other fabricated metal products	3,8	111,4	103,2	-7,4	9 564 250	9 667 770	1,1
-General purpose machinery	2,4	72,0	68,4	-5,0	5 543 171	5 294 919	-4,5
-Special purpose machinery	3,1	91,8	101,1	10,1	6 898 826	7 349 131	6,5
-Household appliances	0,6	101,5	98,1	-3,3	2 417 496	2 382 497	-1,4
<b>Electrical machinery</b>	<b>2,5</b>	<b>127,2</b>	<b>129,0</b>	<b>1,4</b>	<b>9 921 820</b>	<b>10 065 830</b>	<b>1,5</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,1</b>	<b>94,4</b>	<b>93,4</b>	<b>-1,1</b>	<b>3 471 870</b>	<b>3 444 129</b>	<b>-0,8</b>
-Radio, television and communication apparatus	0,4	99,6	91,8	-7,8	1 599 538	1 519 634	-5,0
-Professional equipment	0,7	91,1	94,5	3,7	1 872 332	1 924 495	2,8
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>10,9</b>	<b>73,0</b>	<b>94,3</b>	<b>29,2</b>	<b>35 027 882</b>	<b>39 570 917</b>	<b>13,0</b>
-Motor vehicles	4,9	64,9	81,2	25,1	17 794 569	20 597 696	15,8
-Bodies for motor vehicles, trailers and semi-trailers	0,5	105,8	118,5	12,0	1 664 829	1 745 714	4,9
-Parts and accessories	4,7	68,1	102,9	51,1	11 483 150	13 654 053	18,9
-Other transport equipment	0,9	123,2	107,8	-12,5	4 085 334	3 573 454	-12,5
<b>Furniture and other manufacturing division</b>	<b>5,2</b>	<b>91,4</b>	<b>89,9</b>	<b>-1,6</b>	<b>13 987 436</b>	<b>13 818 703</b>	<b>-1,2</b>
-Furniture	1,3	85,5	84,4	-1,3	2 618 210	2 643 691	1,0
-Other manufacturing groups	3,9	93,3	91,6	-1,8	11 369 226	11 175 012	-1,7
<b>Total</b>	<b>100,0</b>	<b>92,8</b>	<b>98,3</b>	<b>5,9</b>	<b>283 329 357</b>	<b>297 569 255</b>	<b>5,0</b>



**Table 10 – Annual percentage change in the cumulative 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 million)			
		Jan. to Apr. 2009	Jan. to Apr. 2010	Annual percentage change between 2009 and 2010	1/ Contribution (percentage points)	Jan. to Apr. 2009	Jan. to Apr. 2010	Annual percentage change between 2009 and 2010	Difference in sales between 2009 and 2010
<b>Food and beverages</b>	<b>15,4</b>	<b>100,8</b>	<b>102,5</b>	<b>1,7</b>	<b>0,3</b>	<b>75 074</b>	<b>75 502</b>	<b>0,6</b>	<b>428</b>
-Meat, fish, fruit, etc.	1,8	103,6	107,9	4,2	0,1	19 778	20 292	2,6	514
-Dairy products	0,8	106,5	104,8	-1,6	0,0	6 593	6 656	1,0	63
-Grain mill products	0,8	103,6	103,7	0,1	0,0	14 903	13 501	-9,4	-1 402
-Other food products	5,2	89,9	91,1	1,3	0,1	16 435	16 467	0,2	32
-Beverages	6,8	107,4	109,3	1,8	0,1	17 364	18 587	7,0	1 223
<b>Textiles, clothing, leather and footwear</b>	<b>4,9</b>	<b>87,5</b>	<b>81,1</b>	<b>-7,3</b>	<b>-0,3</b>	<b>12 339</b>	<b>11 676</b>	<b>-5,4</b>	<b>-663</b>
-Textiles	0,7	79,9	66,7	-16,5	-0,1	1 986	1 719	-13,4	-267
-Other textile products	0,9	76,4	73,1	-4,3	0,0	3 033	2 924	-3,6	-109
-Knitted, crocheted articles	0,2	106,8	113,2	6,0	0,0	559	585	4,7	26
-Wearing apparel	2,1	95,3	82,2	-13,7	-0,3	4 594	3 991	-13,1	-603
-Leather and leather products	0,6	77,2	87,1	12,8	0,1	1 188	1 406	18,4	218
-Footwear	0,4	92,3	95,0	2,9	0,0	980	1 051	7,2	71
<b>Wood and wood products, paper, publishing and printing</b>	<b>10,2</b>	<b>90,8</b>	<b>88,1</b>	<b>-3,0</b>	<b>-0,3</b>	<b>32 690</b>	<b>32 583</b>	<b>-0,3</b>	<b>-107</b>
-Sawmilling and planing of wood	0,7	73,5	82,3	12,0	0,1	2 001	2 302	15,0	301
-Products of wood	1,3	87,5	80,1	-8,5	-0,1	5 102	4 700	-7,9	-402
-Paper and paper products	3,8	102,2	103,9	1,7	0,1	14 752	14 983	1,6	231
-Publishing	1,9	89,7	76,3	-14,9	-0,3	4 451	4 046	-9,1	-405
-Printing, recorded media	2,5	80,4	78,4	-2,5	-0,1	6 384	6 552	2,6	168
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,1</b>	<b>102,2</b>	<b>108,0</b>	<b>5,7</b>	<b>1,4</b>	<b>83 663</b>	<b>88 550</b>	<b>5,8</b>	<b>4 887</b>
-Coke, petroleum products and nuclear fuel	8,5	92,0	86,9	-5,5	-0,5	27 412	30 089	9,8	2 677
-Basic chemicals	4,5	105,3	118,2	12,3	0,6	18 286	17 497	-4,3	-789
-Other chemical products	5,3	106,0	111,5	5,2	0,3	20 537	20 779	1,2	242
-Rubber products	1,0	77,4	83,3	7,6	0,1	4 033	4 259	5,6	226
-Plastic products	2,7	130,6	159,0	21,7	0,8	13 395	15 926	18,9	2 531
<b>Glass and non-metallic mineral products</b>	<b>4,8</b>	<b>92,2</b>	<b>85,0</b>	<b>-7,8</b>	<b>-0,4</b>	<b>11 195</b>	<b>11 016</b>	<b>-1,6</b>	<b>-179</b>
-Glass and glass products	1,0	113,6	109,5	-3,6	0,0	1 943	1 928	-0,8	-15
-Non-metallic mineral products	3,8	86,8	78,9	-9,1	-0,3	9 252	9 089	-1,8	-163
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>22,9</b>	<b>80,0</b>	<b>88,4</b>	<b>10,5</b>	<b>2,1</b>	<b>72 823</b>	<b>77 675</b>	<b>6,7</b>	<b>4 852</b>
-Basic iron and steel products	7,7	54,6	85,0	55,7	2,6	23 315	29 826	27,9	6 511
-Non-ferrous metal products	3,4	91,2	96,3	5,6	0,2	10 505	10 616	1,1	111
-Structural metal products	2,0	95,1	82,9	-12,8	-0,3	7 221	6 030	-16,5	-1 191
-Other fabricated metal products	3,8	107,0	97,9	-8,5	-0,4	12 368	12 146	-1,8	-222
-General purpose machinery	2,4	71,2	66,5	-6,6	-0,1	7 260	6 851	-5,6	-409
-Special purpose machinery	3,1	91,7	95,7	4,4	0,1	9 044	9 185	1,6	141
-Household appliances	0,6	98,3	93,7	-4,7	0,0	3 110	3 020	-2,9	-90
<b>Electrical machinery</b>	<b>2,5</b>	<b>120,8</b>	<b>121,9</b>	<b>0,9</b>	<b>0,0</b>	<b>12 535</b>	<b>12 633</b>	<b>0,8</b>	<b>98</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,1</b>	<b>89,5</b>	<b>86,6</b>	<b>-3,2</b>	<b>0,0</b>	<b>4 413</b>	<b>4 311</b>	<b>-2,3</b>	<b>-102</b>
-Radio, television and communication apparatus	0,4	97,1	86,5	-10,9	0,0	2 018	1 882	-6,7	-136
-Professional equipment	0,7	84,7	86,7	2,4	0,0	2 396	2 429	1,4	33
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>10,9</b>	<b>70,0</b>	<b>90,9</b>	<b>29,9</b>	<b>2,5</b>	<b>44 494</b>	<b>50 552</b>	<b>13,6</b>	<b>6 058</b>
-Motor vehicles	4,9	62,2	78,0	25,4	0,9	22 291	25 921	16,3	3 630
-Bodies for motor vehicles, trailers and semi-trailers	0,5	99,8	107,1	7,3	0,0	2 070	2 101	1,5	31
-Parts and accessories	4,7	65,1	99,5	52,8	1,8	14 831	17 797	20,0	2 966
-Other transport equipment	0,9	119,7	107,3	-10,4	-0,1	5 302	4 733	-10,7	-569
<b>Furniture and other manufacturing division</b>	<b>5,2</b>	<b>87,3</b>	<b>89,1</b>	<b>2,1</b>	<b>0,1</b>	<b>17 419</b>	<b>18 005</b>	<b>3,4</b>	<b>586</b>
-Furniture	1,3	79,1	78,6	-0,6	0,0	3 233	3 278	1,4	45
-Other manufacturing groups	3,9	90,0	92,6	2,9	0,1	14 186	14 727	3,8	541
<b>Total</b>	<b>100,0</b>	<b>90,6</b>	<b>95,5</b>	<b>5,4</b>	<b>5,4</b>	<b>366 645</b>	<b>382 502</b>	<b>4,3</b>	<b>15 857</b>

1/ The contribution (percentage points) of a major group or division is calculated by multiplying the difference 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. Each enterprise is classified to an industry which reflects its predominant activity. Statistics in this publication are presented at SIC division (two digit) and major group (three digit) level.
- Response rate**
- 9 The preliminary response rate for the survey on manufacturing production and sales for April 2010 was 90,5%. Improved response rate for March 2010 was 92,4%.
- Statistical unit**
- 10 The statistical unit for which information is compiled and published is the enterprise, defined as a legal unit or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.



**Survey methodology and design**

- 11 The survey is conducted monthly. Questionnaires are sent to a sample of 3 049 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](http://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 2010, 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 2010).

**Seasonal adjustment**

- 17 Seasonally adjusted estimates of all major groups are generated each month, using the X-11 Seasonal Adjustment Program 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-off of figures** 23 Where necessary, the figures in the tables have been rounded off to the nearest digit shown. There may, therefore, be slight discrepancies between the sums of the constituent items and the totals shown.
- Pre-release policy** 24 Stats SA's pre-release policy may be inspected at its website, [www.statssa.gov.za](http://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.

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

$N_h$  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

<b>Enterprise</b>	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.
<b>Index of physical volume of manufacturing production</b>	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.
<b>Industry</b>	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).
<b>Intermediate consumption</b>	Intermediate consumption includes - <ul style="list-style-type: none"><li>• purchases and transfers-in of materials;</li><li>• payments to other establishments for work done;</li><li>• other direct factory costs;</li><li>• rent and leasing paid;</li><li>• head office charges;</li><li>• royalties, copyright, trade names and patent rights paid;</li><li>• advertising;</li><li>• insurance premiums;</li><li>• services; and</li><li>• secretarial and administrative fees.</li></ul>
<b>Output</b>	Output is the aggregate value of goods manufactured and work done and includes - <ul style="list-style-type: none"><li>• sales and transfers-out of own manufactures, factory waste and stocks of factored goods;</li><li>• repairs;</li><li>• installation, erection and assembly;</li><li>• sundry trading revenue;</li><li>• sales of factored goods minus purchases of factored goods;</li><li>• rent and leasing received;</li><li>• royalties received;</li><li>• difference between opening value and closing value of work in progress, stocks of own manufactures and stocks of factored goods;</li><li>• head office charges; and</li><li>• other revenue.</li></ul> Output excludes excise and customs duty paid.
<b>Value added</b>	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.
<b>Sales</b>	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.
<b>Turnover</b>	Turnover refers to - <ul style="list-style-type: none"><li>• the value of sales and transfers out of all own manufactured products/articles;</li><li>• amounts received for work done; and</li><li>• amounts received for services rendered.</li></ul>

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 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 - 2010
<b>Food and beverages</b>	<b>15,3</b>	<b>16,4</b>	<b>15,4</b>
-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
<b>Textiles, clothing, leather and footwear</b>	<b>7,8</b>	<b>5,4</b>	<b>4,9</b>
-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
<b>Wood and wood products, paper, publishing and printing</b>	<b>11,4</b>	<b>11,0</b>	<b>10,2</b>
-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
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>19,3</b>	<b>22,5</b>	<b>22,1</b>
-Coke, petroleum products and nuclear fuel	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
<b>Glass and non-metallic mineral products</b>	<b>4,5</b>	<b>3,9</b>	<b>4,8</b>
-Glass and glass products	1,0	1,1	1,0
-Non-metallic mineral products	3,5	2,9	3,8
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>23,6</b>	<b>22,4</b>	<b>22,9</b>
-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
<b>Electrical machinery</b>	<b>3,4</b>	<b>2,7</b>	<b>2,5</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,5</b>	<b>1,3</b>	<b>1,1</b>
-Radio, television and communication apparatus	1,0	0,7	0,4
-Professional equipment	0,5	0,6	0,7
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>9,1</b>	<b>8,6</b>	<b>10,9</b>
-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
<b>Other manufacturing divisions</b>	<b>4,1</b>	<b>5,8</b>	<b>5,2</b>
-Furniture	1,6	1,6	1,3
-Other manufacturing groups	2,6	4,2	3,9
<b>Total</b>	<b>100,0</b>	<b>100,0</b>	<b>100,0</b>

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Fax number: (012) 310 8664 (technical enquiries)

Email address: [GerdaB@statssa.gov.za](mailto:GerdaB@statssa.gov.za) (technical enquiries)  
[info@statssa.gov.za](mailto:info@statssa.gov.za) (user information services)  
[magdaj@statssa.gov.za](mailto:magdaj@statssa.gov.za) (orders)

Postal address: Private Bag X44, Pretoria, 0001

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