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## Summary of findings: Manufacturing production and sales

### Key figures

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

Actual estimates	May 2010	% change between May 2009 and May 2010	% change between March to May 2009 and March to May 2010	% change between January to May 2009 and January to May 2010
Physical volume of manufacturing production index (2005=100)	102,0	7,9	7,7	5,9
Total estimated sales of manufactured products (R million)	102 364	9,3	7,8	5,3

Seasonally adjusted estimates	May 2010	% change between April and May 2010	% change between December 2009 to February 2010 and March to May 2010
Physical volume of manufacturing production index (2005=100)	101,7	0,3	1,0
Total value of sales of manufactured products (R million)	102 752	0,9	2,0

### Key findings regarding manufacturing production for May 2010

#### Seasonally adjusted production

***The seasonally adjusted manufacturing production for the three months ended May 2010 increased by 1,0% compared with the previous three months ended February 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 wood and wood products, paper, publishing and printing division (3,2% and contributing 0,3 of a percentage point), the food and beverages division (1,8% and contributing 0,3 of a percentage point), the electrical machinery division (7,3% and contributing 0,2 of a percentage point), the motor vehicles, parts and accessories and other transport equipment division (1,7% and contributing 0,2 of a percentage point), the radio, television and communication apparatus and professional equipment division (7,4% and contributing 0,1 of a percentage point) and the petroleum, chemical products, rubber and plastic products division (0,4% and contributing 0,1 of a percentage point) (see Table B).

#### Estimated actual production

***The estimated manufacturing production for May 2010 increased by 7,9% compared with May 2009.***

The 7,9% increase in manufacturing production for May 2010 compared with May 2009 was mainly due to higher production in the motor vehicles, parts and accessories and other transport equipment division (27,1% and contributing 2,5 percentage points), the petroleum, chemical products, rubber and plastic products division (10,0% and contributing 2,4 percentage points), the basic iron and steel, non-ferrous metal products, metal products and machinery division (9,8% and contributing 2,0 percentage points), the food and beverages division (3,8% and contributing 0,7 of a percentage point), the electrical machinery division (8,4% and contributing 0,3 of a percentage point), the wood and wood products, paper, publishing and printing division (3,4% and contributing 0,3 of a percentage point) and the glass and non-metallic mineral products division (1,5% and contributing 0,1 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**

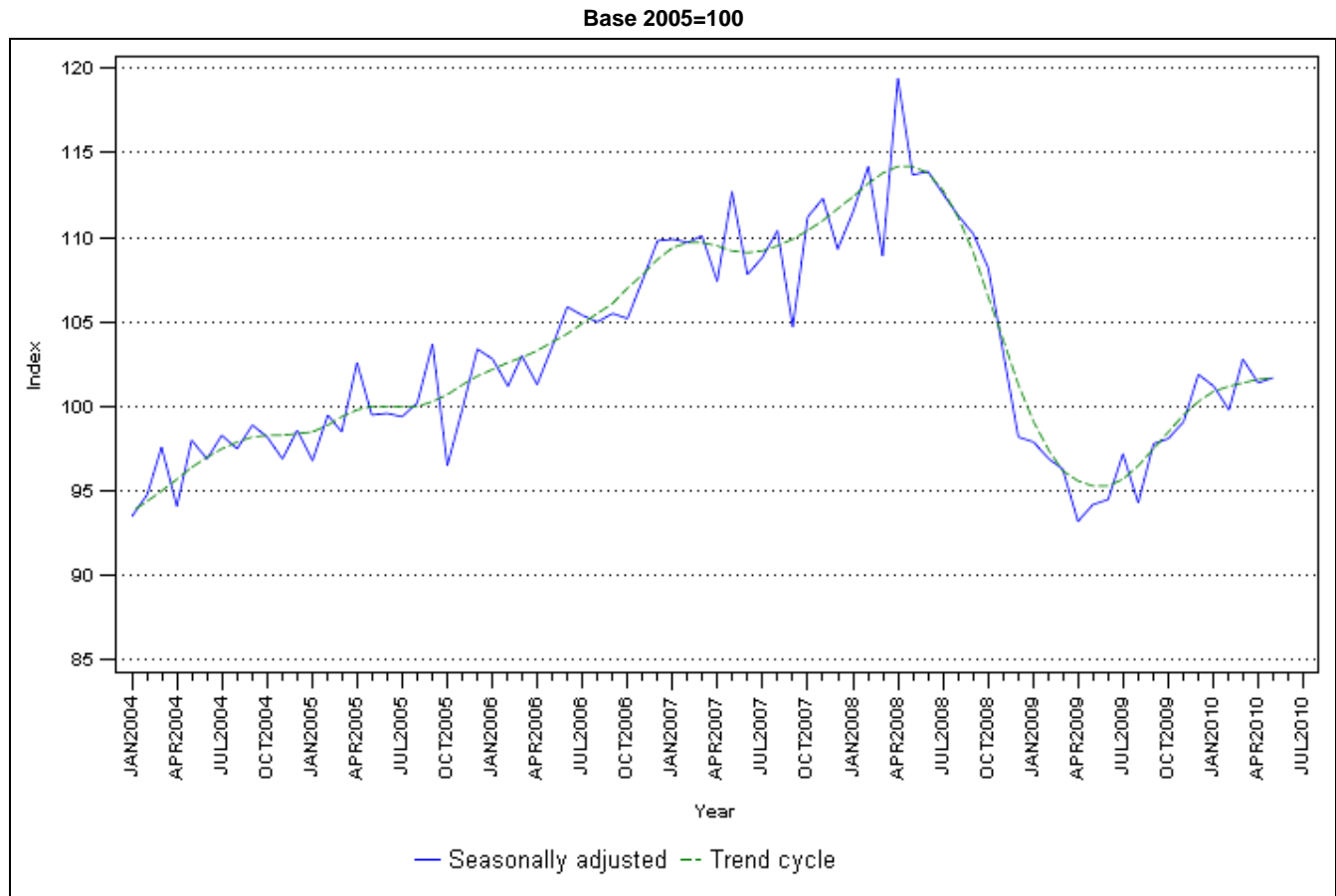
**Base 2005=100**

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 December 2009 to February 2010	Average seasonally adjusted production index for March to May 2010	Quarterly percentage change of March to May 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>110,7</b>	<b>112,7</b>	<b>1,8</b>	<b>0,3</b>
-Meat, fish, fruit, etc.	1,8	112,0	110,9	-1,0	0,0
-Dairy products	0,8	107,7	108,1	0,4	0,0
-Grain mill products	0,8	107,9	108,4	0,5	0,0
-Other food products	5,2	108,4	111,0	2,4	0,1
-Beverages	6,8	112,7	115,4	2,4	0,2
<b>Textiles, clothing, leather and footwear</b>	<b>4,9</b>	<b>86,8</b>	<b>86,3</b>	<b>-0,6</b>	<b>0,0</b>
-Textiles	1,6	74,5	73,4	-1,5	0,0
-Wearing apparel	2,3	91,4	88,7	-3,0	-0,1
-Leather and leather products	0,6	88,5	93,3	5,4	0,0
-Footwear	0,4	105,5	110,8	5,0	0,0
<b>Wood and wood products, paper, publishing and printing</b>	<b>10,2</b>	<b>91,9</b>	<b>94,8</b>	<b>3,2</b>	<b>0,3</b>
-Wood and products of wood	2,0	86,6	85,2	-1,6	0,0
-Paper and paper products	3,8	105,3	111,1	5,5	0,2
-Publishing and printing	4,3	82,4	84,7	2,8	0,1
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,1</b>	<b>113,1</b>	<b>113,6</b>	<b>0,4</b>	<b>0,1</b>
-Coke, petroleum products and nuclear fuel	8,5	92,6	89,2	-3,7	-0,3
-Basic chemicals	4,5	121,7	126,3	3,8	0,2
-Other chemical products	5,3	116,1	117,6	1,3	0,1
-Rubber products	1,0	82,1	84,4	2,8	0,0
-Plastic products	2,7	168,1	171,7	2,1	0,1
<b>Glass and non-metallic mineral products</b>	<b>4,8</b>	<b>94,3</b>	<b>92,0</b>	<b>-2,4</b>	<b>-0,1</b>
-Glass and glass products	1,0	120,8	117,4	-2,8	0,0
-Non-metallic mineral products	3,8	87,7	85,6	-2,4	-0,1
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>22,9</b>	<b>92,4</b>	<b>92,2</b>	<b>-0,2</b>	<b>0,0</b>
-Basic iron and steel products	7,7	93,2	86,0	-7,7	-0,5
-Basic precious, non-ferrous metal products	3,4	96,3	99,3	3,1	0,1
-Fabricated metal products	5,7	99,9	100,6	0,7	0,0
-Machinery and equipment	6,1	81,8	88,1	7,7	0,4
<b>Electrical machinery</b>	<b>2,5</b>	<b>121,4</b>	<b>130,3</b>	<b>7,3</b>	<b>0,2</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,1</b>	<b>90,9</b>	<b>97,6</b>	<b>7,4</b>	<b>0,1</b>
-Radio, television and communication apparatus	0,4	92,9	92,1	-0,9	0,0
-Professional equipment	0,7	89,6	101,1	12,8	0,1
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>10,9</b>	<b>95,4</b>	<b>97,0</b>	<b>1,7</b>	<b>0,2</b>
-Motor vehicles	4,9	82,4	86,5	5,0	0,2
-Bodies for motor vehicles, trailers and semi-trailers	0,5	109,9	121,8	10,8	0,1
-Parts and accessories	4,7	102,7	103,2	0,5	0,0
-Other transport equipment	0,9	120,0	108,8	-9,3	-0,1
<b>Furniture and other manufacturing division</b>	<b>5,2</b>	<b>99,8</b>	<b>99,1</b>	<b>-0,7</b>	<b>0,0</b>
-Furniture	1,3	92,2	92,2	0,0	0,0
-Other manufacturing groups	3,9	102,2	101,4	-0,8	0,0
<b>Total</b>	<b>100,0</b>	<b>101,0</b>	<b>102,0</b>	<b>1,0</b>	<b>1,0</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 May 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 May 2010 increased by 2,0% (R6 110 million), after seasonal adjustment, compared with the previous three months ended February 2010. Higher manufacturing sales were reported by seven of the ten manufacturing divisions during this period (see Table C).*

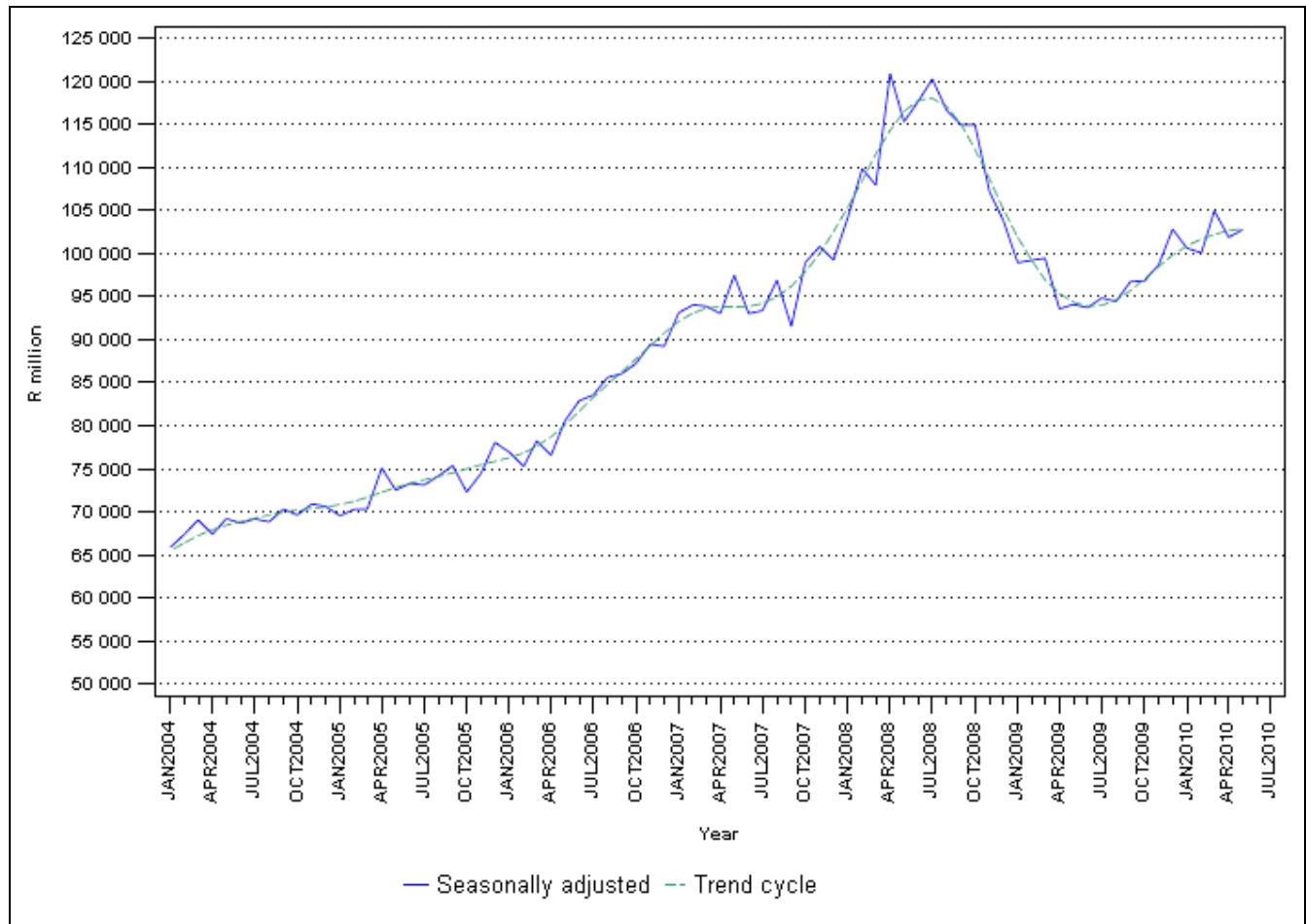
The large increase reported by the basic iron and steel, non-ferrous metal products, metal products and machinery division (7,0% or R4 154 million) during the above-mentioned period was mainly responsible for the increase in total manufacturing sales, contributing 68% to the total increase in sales (see 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 December 2009 to February 2010	Seasonally adjusted sales March to May 2010	Percentage change between December 2009 to February 2010 and March to May 2010	Difference in seasonally adjusted sales of manufacturing divisions between December 2009 to February 2010 and March to May 2010
	R000	R000	%	R000
<b>Food and beverages</b>	<b>60 044 596</b>	<b>60 739 910</b>	<b>1,2</b>	<b>695 314</b>
-Food and food products	45 490 197	45 602 972	0,2	112 775
-Beverages	14 554 397	15 136 940	4,0	582 543
<b>Textiles, clothing, leather and footwear</b>	<b>9 319 822</b>	<b>9 470 535</b>	<b>1,6</b>	<b>150 713</b>
-Textiles	3 664 881	3 696 358	0,9	31 477
-Wearing apparel	3 688 854	3 693 762	0,1	4 908
-Leather and leather products	1 053 584	1 134 486	7,7	80 902
-Footwear	912 504	945 929	3,7	33 425
<b>Wood and wood products, paper, publishing and printing</b>	<b>25 763 424</b>	<b>26 503 650</b>	<b>2,9</b>	<b>740 226</b>
-Wood and products of wood	5 720 000	5 620 964	-1,7	-99 036
-Paper and paper products	11 613 694	12 203 702	5,1	590 008
-Publishing and printing	8 429 728	8 678 982	3,0	249 254
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>71 753 108</b>	<b>71 605 982</b>	<b>-0,2</b>	<b>-147 126</b>
-Coke, petroleum products and nuclear fuel	25 476 855	24 715 027	-3,0	-761 828
-Basic chemicals	13 721 870	13 673 309	-0,4	-48 561
-Other chemical products	16 797 677	16 840 262	0,3	42 585
-Rubber products	3 256 697	3 295 222	1,2	38 525
-Plastic products	12 500 009	13 082 160	4,7	582 151
<b>Glass and non-metallic mineral products</b>	<b>9 093 582</b>	<b>9 034 390</b>	<b>-0,7</b>	<b>-59 192</b>
-Glass and glass products	1 690 478	1 610 936	-4,7	-79 542
-Non-metallic mineral products	7 403 103	7 423 455	0,3	20 352
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>59 125 050</b>	<b>63 279 438</b>	<b>7,0</b>	<b>4 154 388</b>
-Basic iron and steel products	22 221 585	24 814 946	11,7	2 593 361
-Basic precious, non-ferrous metal products	7 827 712	8 869 479	13,3	1 041 767
-Fabricated metal products	14 885 842	14 746 029	-0,9	-139 813
-Machinery and equipment	14 189 910	14 848 982	4,6	659 072
<b>Electrical machinery</b>	<b>9 701 893</b>	<b>10 255 300</b>	<b>5,7</b>	<b>553 407</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>3 482 464</b>	<b>3 511 042</b>	<b>0,8</b>	<b>28 578</b>
-Radio, television and communication apparatus	1 541 020	1 485 085	-3,6	-55 935
-Professional equipment	1 941 443	2 025 957	4,4	84 514
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>40 149 992</b>	<b>40 331 648</b>	<b>0,5</b>	<b>181 656</b>
-Motor vehicles, trailers, parts and accessories	36 128 202	36 670 830	1,5	542 628
-Other transport equipment	4 021 789	3 660 818	-9,0	-360 971
<b>Furniture and other manufacturing division</b>	<b>14 984 789</b>	<b>14 796 826</b>	<b>-1,3</b>	<b>-187 963</b>
-Furniture	2 911 697	2 916 627	0,2	4 930
-Other manufacturing groups	12 073 092	11 880 201	-1,6	-192 891
<b>Total</b>	<b>303 418 717</b>	<b>309 528 721</b>	<b>2,0</b>	<b>6 110 004</b>

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

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



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## Detailed results

**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	94,5
Mar	100,8	101,8	106,3	113,4	112,0	98,9	1/ 105,5
Apr	88,9	96,2	95,4	100,6	111,8	87,5	1/ 95,0
May	98,7	100,3	104,2	113,2	114,3	94,5	1/ 102,0
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	6,7
Apr	0,1	8,2	-0,8	5,5	11,1	-21,7	8,6
May	5,2	1,6	3,9	8,6	1,0	-17,3	7,9
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	2004	2005	2006	2007	2008	2009	2010
Jan	93,5	96,8	102,8	109,9	111,5	97,9	101,2
Feb	94,8	99,5	101,2	109,7	114,2	96,9	99,8
Mar	97,6	98,5	103,0	110,1	108,9	96,3	102,8
Apr	94,1	102,6	101,3	107,4	119,4	93,2	101,4
May	98,0	99,5	103,5	112,7	113,7	94,2	101,7
Jun	96,9	99,6	105,9	107,8	113,9	94,5	
Jul	98,3	99,4	105,4	108,8	112,6	97,2	
Aug	97,5	100,2	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		
			May 2009	1/ April 2010	1/ May 2010	May 2009	April 2010	May 2010
<b>Food and beverages</b>	<b>15,4</b>	<b>111,7</b>	<b>107,6</b>	<b>100,6</b>	<b>111,7</b>	<b>109,7</b>	<b>107,9</b>	<b>113,5</b>
-Meat, fish, fruit, etc.	1,8	109,3	108,5	104,3	113,4	104,4	107,1	109,1
-Dairy products	0,8	109,7	99,5	100,2	99,9	108,1	107,3	108,4
-Grain mill products	0,8	108,5	105,5	98,5	109,7	103,9	101,9	108,5
-Other food products	5,2	110,3	117,0	104,4	122,7	109,7	111,3	114,4
-Beverages	6,8	113,9	101,4	97,0	104,4	112,0	106,4	115,2
<b>Textiles, clothing, leather and footwear</b>	<b>4,9</b>	<b>89,5</b>	<b>91,6</b>	<b>84,0</b>	<b>87,7</b>	<b>90,1</b>	<b>86,1</b>	<b>86,2</b>
-Textiles	0,7	73,7	83,6	64,8	76,8	76,0	70,5	69,7
-Other textile products	0,9	78,1	76,9	73,6	75,6	76,9	75,2	75,6
-Knitted, crocheted articles	0,2	104,4	123,2	123,4	128,2	106,9	116,8	111,4
-Wearing apparel	2,1	96,5	98,7	85,1	86,3	99,1	85,8	86,5
-Leather and leather products	0,6	83,6	77,8	92,9	98,9	76,5	94,2	97,3
-Footwear	0,4	107,3	108,6	104,1	106,4	109,8	112,2	107,7
<b>Wood and wood products, paper, publishing and printing</b>	<b>10,2</b>	<b>92,0</b>	<b>93,3</b>	<b>85,7</b>	<b>96,5</b>	<b>92,7</b>	<b>93,4</b>	<b>95,7</b>
-Sawmilling and planing of wood	0,7	73,4	69,4	82,4	88,1	69,1	88,8	87,7
-Products of wood	1,3	88,6	89,4	78,2	83,8	88,6	83,2	83,2
-Paper and paper products	3,8	103,6	104,8	99,9	113,0	102,8	107,7	110,7
-Publishing	1,9	86,8	90,4	73,5	84,5	91,8	82,2	85,7
-Printing, recorded media	2,5	84,8	86,7	77,8	88,9	86,4	86,0	88,7
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,1</b>	<b>107,5</b>	<b>103,1</b>	<b>110,5</b>	<b>113,4</b>	<b>102,1</b>	<b>114,3</b>	<b>112,9</b>
-Coke, petroleum products and nuclear fuel	8,5	95,3	102,2	89,7	94,2	98,1	88,3	90,0
-Basic chemicals	4,5	107,9	83,4	121,4	122,4	85,4	129,5	125,4
-Other chemical products	5,3	109,6	105,0	111,7	113,2	106,4	117,9	115,2
-Rubber products	1,0	77,3	80,3	84,7	83,7	75,9	88,6	79,2
-Plastic products	2,7	151,7	143,0	164,4	170,0	143,6	172,7	171,4
<b>Glass and non-metallic mineral products</b>	<b>4,8</b>	<b>96,5</b>	<b>93,0</b>	<b>87,2</b>	<b>94,4</b>	<b>91,8</b>	<b>90,2</b>	<b>93,3</b>
-Glass and glass products	1,0	121,6	111,2	109,5	111,6	117,7	116,9	118,9
-Non-metallic mineral products	3,8	90,2	88,4	81,6	90,1	85,3	83,5	86,9
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>22,9</b>	<b>85,9</b>	<b>83,5</b>	<b>86,7</b>	<b>91,7</b>	<b>82,8</b>	<b>91,9</b>	<b>91,0</b>
-Basic iron and steel products	7,7	72,0	69,6	82,1	88,5	66,2	85,4	83,9
-Non-ferrous metal products	3,4	95,4	98,8	97,7	98,8	96,8	101,3	96,8
-Structural metal products	2,0	96,7	106,1	93,6	97,2	98,0	97,8	89,3
-Other fabricated metal products	3,8	104,5	103,9	98,8	111,8	102,7	103,9	110,6
-General purpose machinery	2,4	73,2	70,2	66,1	67,2	72,1	69,7	69,4
-Special purpose machinery	3,1	88,3	69,3	81,4	81,4	80,4	94,4	95,3
-Household appliances	0,6	96,0	97,0	94,4	97,0	96,5	100,4	96,9
<b>Electrical machinery</b>	<b>2,5</b>	<b>121,2</b>	<b>113,1</b>	<b>125,8</b>	<b>122,6</b>	<b>118,2</b>	<b>130,0</b>	<b>129,4</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,1</b>	<b>98,7</b>	<b>106,3</b>	<b>86,6</b>	<b>98,6</b>	<b>107,3</b>	<b>95,9</b>	<b>98,1</b>
-Radio, television and communication apparatus	0,4	102,8	104,8	79,0	82,5	117,2	88,3	92,5
-Professional equipment	0,7	96,1	107,3	91,5	108,8	101,1	100,8	101,7
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>10,9</b>	<b>79,7</b>	<b>79,0</b>	<b>90,6</b>	<b>100,4</b>	<b>75,7</b>	<b>99,0</b>	<b>96,3</b>
-Motor vehicles	4,9	66,1	71,1	77,5	90,0	67,2	89,1	84,9
-Bodies for motor vehicles, trailers and semi-trailers	0,5	104,3	99,0	112,0	126,2	96,4	116,3	123,0
-Parts and accessories	4,7	82,4	76,3	101,7	105,0	72,9	106,6	101,1
-Other transport equipment	0,9	124,8	123,8	92,5	118,6	123,6	103,8	118,5
<b>Furniture and other manufacturing division</b>	<b>5,2</b>	<b>94,5</b>	<b>95,5</b>	<b>80,6</b>	<b>95,6</b>	<b>98,6</b>	<b>102,3</b>	<b>98,7</b>
-Furniture	1,3	88,8	89,9	83,7	92,2	90,5	91,9	93,0
-Other manufacturing groups	3,9	96,4	97,4	79,5	96,7	101,3	105,8	100,5
<b>Total</b>	<b>100,0</b>	<b>96,7</b>	<b>94,5</b>	<b>95,0</b>	<b>102,0</b>	<b>94,2</b>	<b>101,4</b>	<b>101,7</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		
			May 2009	1/ May 2010	Percentage change between May 2009 and May 2010	April 2010	May 2010	Percentage change between April and May 2010
<b>Food and beverages</b>	<b>15,4</b>	<b>111,7</b>	<b>107,6</b>	<b>111,7</b>	<b>3,8</b>	<b>107,9</b>	<b>113,5</b>	<b>5,2</b>
-Meat, fish, fruit, etc.	1,8	109,3	108,5	113,4	4,5	107,1	109,1	1,9
-Dairy products	0,8	109,7	99,5	99,9	0,4	107,3	108,4	1,0
-Grain mill products	0,8	108,5	105,5	109,7	4,0	101,9	108,5	6,5
-Other food products	5,2	110,3	117,0	122,7	4,9	111,3	114,4	2,8
-Beverages	6,8	113,9	101,4	104,4	3,0	106,4	115,2	8,3
<b>Textiles, clothing, leather and footwear</b>	<b>4,9</b>	<b>89,5</b>	<b>91,6</b>	<b>87,7</b>	<b>-4,3</b>	<b>86,1</b>	<b>86,2</b>	<b>0,1</b>
-Textiles	0,7	73,7	83,6	76,8	-8,1	70,5	69,7	-1,1
-Other textile products	0,9	78,1	76,9	75,6	-1,7	75,2	75,6	0,5
-Knitted, crocheted articles	0,2	104,4	123,2	128,2	4,1	116,8	111,4	-4,6
-Wearing apparel	2,1	96,5	98,7	86,3	-12,6	85,8	86,5	0,8
-Leather and leather products	0,6	83,6	77,8	98,9	27,1	94,2	97,3	3,3
-Footwear	0,4	107,3	108,6	106,4	-2,0	112,2	107,7	-4,0
<b>Wood and wood products, paper, publishing and printing</b>	<b>10,2</b>	<b>92,0</b>	<b>93,3</b>	<b>96,5</b>	<b>3,4</b>	<b>93,4</b>	<b>95,7</b>	<b>2,5</b>
-Sawmilling and planing of wood	0,7	73,4	69,4	88,1	26,9	88,8	87,7	-1,2
-Products of wood	1,3	88,6	89,4	83,8	-6,3	83,2	83,2	0,0
-Paper and paper products	3,8	103,6	104,8	113,0	7,8	107,7	110,7	2,8
-Publishing	1,9	86,8	90,4	84,5	-6,5	82,2	85,7	4,3
-Printing, recorded media	2,5	84,8	86,7	88,9	2,5	86,0	88,7	3,1
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,1</b>	<b>107,5</b>	<b>103,1</b>	<b>113,4</b>	<b>10,0</b>	<b>114,3</b>	<b>112,9</b>	<b>-1,2</b>
-Coke, petroleum products and nuclear fuel	8,5	95,3	102,2	94,2	-7,8	88,3	90,0	1,9
-Basic chemicals	4,5	107,9	83,4	122,4	46,8	129,5	125,4	-3,2
-Other chemical products	5,3	109,6	105,0	113,2	7,8	117,9	115,2	-2,3
-Rubber products	1,0	77,3	80,3	83,7	4,2	88,6	79,2	-10,6
-Plastic products	2,7	151,7	143,0	170,0	18,9	172,7	171,4	-0,8
<b>Glass and non-metallic mineral products</b>	<b>4,8</b>	<b>96,5</b>	<b>93,0</b>	<b>94,4</b>	<b>1,5</b>	<b>90,2</b>	<b>93,3</b>	<b>3,4</b>
-Glass and glass products	1,0	121,6	111,2	111,6	0,4	116,9	118,9	1,7
-Non-metallic mineral products	3,8	90,2	88,4	90,1	1,9	83,5	86,9	4,1
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>22,9</b>	<b>85,9</b>	<b>83,5</b>	<b>91,7</b>	<b>9,8</b>	<b>91,9</b>	<b>91,0</b>	<b>-1,0</b>
-Basic iron and steel products	7,7	72,0	69,6	88,5	27,2	85,4	83,9	-1,8
-Non-ferrous metal products	3,4	95,4	98,8	98,8	0,0	101,3	96,8	-4,4
-Structural metal products	2,0	96,7	106,1	97,2	-8,4	97,8	89,3	-8,7
-Other fabricated metal products	3,8	104,5	103,9	111,8	7,6	103,9	110,6	6,4
-General purpose machinery	2,4	73,2	70,2	67,2	-4,3	69,7	69,4	-0,4
-Special purpose machinery	3,1	88,3	69,3	81,4	17,5	94,4	95,3	1,0
-Household appliances	0,6	96,0	97,0	97,0	0,0	100,4	96,9	-3,5
<b>Electrical machinery</b>	<b>2,5</b>	<b>121,2</b>	<b>113,1</b>	<b>122,6</b>	<b>8,4</b>	<b>130,0</b>	<b>129,4</b>	<b>-0,5</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,1</b>	<b>98,7</b>	<b>106,3</b>	<b>98,6</b>	<b>-7,2</b>	<b>95,9</b>	<b>98,1</b>	<b>2,3</b>
-Radio, television and communication apparatus	0,4	102,8	104,8	82,5	-21,3	88,3	92,5	4,8
-Professional equipment	0,7	96,1	107,3	108,8	1,4	100,8	101,7	0,9
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>10,9</b>	<b>79,7</b>	<b>79,0</b>	<b>100,4</b>	<b>27,1</b>	<b>99,0</b>	<b>96,3</b>	<b>-2,7</b>
-Motor vehicles	4,9	66,1	71,1	90,0	26,6	89,1	84,9	-4,7
-Bodies for motor vehicles, trailers and semi-trailers	0,5	104,3	99,0	126,2	27,5	116,3	123,0	5,8
-Parts and accessories	4,7	82,4	76,3	105,0	37,6	106,6	101,1	-5,2
-Other transport equipment	0,9	124,8	123,8	118,6	-4,2	103,8	118,5	14,2
<b>Furniture and other manufacturing division</b>	<b>5,2</b>	<b>94,5</b>	<b>95,5</b>	<b>95,6</b>	<b>0,1</b>	<b>102,3</b>	<b>98,7</b>	<b>-3,5</b>
-Furniture	1,3	88,8	89,9	92,2	2,6	91,9	93,0	1,2
-Other manufacturing groups	3,9	96,4	97,4	96,7	-0,7	105,8	100,5	-5,0
<b>Total</b>	<b>100,0</b>	<b>96,7</b>	<b>94,5</b>	<b>102,0</b>	<b>7,9</b>	<b>101,4</b>	<b>101,7</b>	<b>0,3</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	95 285 023
Mar	70 936 530	72 099 488	80 114 612	96 207 130	110 254 490	101 729 244	1/ 107 379 447
Apr	63 759 248	70 718 822	71 780 033	86 839 371	112 640 753	87 148 078	1/ 94 801 270
May	69 557 193	72 750 078	80 692 987	97 573 896	115 671 466	93 686 610	1/ 102 364 048
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	8,8
May	10,8	4,6	10,9	20,9	18,5	-19,0	9,3
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	65 853 278	69 529 622	76 910 652	93 092 815	104 196 520	98 909 785	100 594 546
Feb	67 417 594	70 297 453	75 266 627	94 007 185	109 846 311	99 197 427	100 037 466
Mar	69 051 553	70 315 084	78 235 365	93 858 421	107 912 787	99 430 068	104 923 358
Apr	67 397 531	75 074 955	76 560 451	93 021 766	120 833 156	93 548 460	101 853 614
May	69 192 153	72 511 373	80 563 334	97 430 391	115 277 074	94 062 010	102 751 749
Jun	68 677 269	73 278 963	82 902 038	93 010 617	117 670 689	93 692 482	
Jul	69 180 908	73 096 112	83 549 871	93 351 069	120 233 220	94 817 867	
Aug	68 821 672	74 151 158	85 596 509	96 888 072	116 588 220	94 403 794	
Sep	70 307 301	75 356 670	86 035 203	91 526 120	114 914 559	96 716 598	
Oct	69 619 356	72 283 671	87 214 344	98 895 670	114 934 597	96 765 063	
Nov	70 892 244	74 459 111	89 447 487	100 800 434	107 177 034	98 685 105	
Dec	70 628 502	78 047 811	89 198 364	99 220 544	103 798 563	102 786 705	

**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		
		May 2009	1/ April 2010	1/ May 2010	May 2009	April 2010	May 2010
<b>Food and beverages</b>	<b>240 845 177</b>	<b>19 140 694</b>	<b>18 439 659</b>	<b>19 322 080</b>	<b>19 787 668</b>	<b>19 445 735</b>	<b>20 038 913</b>
-Meat, fish, fruit, etc.	63 578 365	5 316 412	4 966 660	5 429 127	5 234 123	5 206 404	5 337 215
-Dairy products	20 468 131	1 577 659	1 634 790	1 631 363	1 697 922	1 737 085	1 760 650
-Grain mill products	45 484 365	3 781 608	3 193 615	3 466 436	3 807 806	3 323 928	3 506 804
-Other food products	53 840 204	4 381 450	4 269 195	4 451 992	4 402 821	4 426 052	4 484 038
-Beverages	57 474 112	4 083 565	4 375 399	4 343 162	4 644 996	4 752 267	4 950 207
<b>Textiles, clothing, leather and footwear</b>	<b>38 323 315</b>	<b>3 312 427</b>	<b>3 095 635</b>	<b>3 199 693</b>	<b>3 279 680</b>	<b>3 189 265</b>	<b>3 168 195</b>
-Textiles	5 754 712	534 042	430 623	465 864	501 195	438 959	437 074
-Other textile products	9 345 257	802 687	801 764	793 422	790 882	838 578	782 353
-Knitted, crocheted articles	1 645 824	167 803	161 428	173 643	140 644	153 111	145 535
-Wearing apparel	14 092 990	1 194 815	1 055 805	1 058 604	1 219 377	1 078 812	1 078 946
-Leather and leather products	3 879 847	312 472	356 600	417 255	312 717	361 117	418 401
-Footwear	3 604 685	300 608	289 415	290 905	314 865	318 688	305 886
<b>Wood and wood products, paper, publishing and printing</b>	<b>101 721 747</b>	<b>8 586 916</b>	<b>7 918 403</b>	<b>8 963 921</b>	<b>8 542 625</b>	<b>8 755 638</b>	<b>8 929 043</b>
-Sawmilling and planing of wood	6 382 241	507 703	580 635	611 355	516 986	626 449	625 560
-Products of wood	15 749 367	1 355 280	1 171 219	1 240 726	1 334 208	1 251 646	1 221 415
-Paper and paper products	45 633 499	3 810 792	3 565 691	4 135 312	3 778 765	4 023 289	4 107 382
-Publishing	13 331 316	1 155 241	976 690	1 121 807	1 169 869	1 089 427	1 133 995
-Printing, recorded media	20 625 324	1 757 900	1 624 168	1 854 721	1 742 797	1 764 827	1 840 690
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>269 871 735</b>	<b>21 310 573</b>	<b>22 198 964</b>	<b>23 873 053</b>	<b>21 352 233</b>	<b>23 697 928</b>	<b>23 958 310</b>
-Coke, petroleum products and nuclear fuel	93 661 889	7 402 488	7 482 663	8 775 912	7 197 154	7 966 188	8 532 049
-Basic chemicals	53 153 291	4 047 552	4 190 618	4 260 097	4 157 382	4 525 794	4 397 593
-Other chemical products	64 929 930	5 193 669	5 326 748	5 462 210	5 306 942	5 669 509	5 610 534
-Rubber products	12 371 122	1 036 557	1 065 218	1 086 639	1 018 504	1 114 851	1 069 117
-Plastic products	45 755 503	3 630 307	4 133 717	4 288 195	3 672 250	4 421 586	4 349 017
<b>Glass and non-metallic mineral products</b>	<b>36 097 324</b>	<b>2 946 401</b>	<b>2 797 860</b>	<b>3 010 915</b>	<b>2 938 066</b>	<b>3 031 431</b>	<b>3 013 932</b>
-Glass and glass products	6 605 208	479 841	486 189	506 496	521 548	539 437	554 605
-Non-metallic mineral products	29 492 116	2 466 560	2 311 671	2 504 419	2 416 518	2 491 995	2 459 327
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>226 472 456</b>	<b>18 265 433</b>	<b>19 618 390</b>	<b>20 515 165</b>	<b>18 216 228</b>	<b>20 975 216</b>	<b>20 488 502</b>
-Basic iron and steel products	77 590 894	6 420 444	7 832 866	8 242 386	6 220 572	8 328 387	7 973 699
-Non-ferrous metal products	31 889 556	2 630 341	2 975 352	2 869 132	2 620 104	3 033 293	2 872 320
-Structural metal products	21 258 572	1 800 977	1 601 131	1 736 589	1 722 615	1 665 158	1 660 017
-Other fabricated metal products	38 068 027	3 172 926	2 949 969	3 229 218	3 144 691	3 208 855	3 206 111
-General purpose machinery	22 530 421	1 804 991	1 680 238	1 740 736	1 832 397	1 792 277	1 774 868
-Special purpose machinery	25 790 190	1 660 690	1 826 829	1 896 650	1 910 684	2 169 768	2 208 228
-Household appliances	9 344 796	775 064	752 005	800 454	765 166	777 478	793 258
<b>Electrical machinery</b>	<b>37 917 103</b>	<b>3 019 837</b>	<b>3 161 047</b>	<b>3 465 187</b>	<b>3 035 849</b>	<b>3 313 111</b>	<b>3 486 414</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>14 337 276</b>	<b>1 226 611</b>	<b>1 034 708</b>	<b>1 186 395</b>	<b>1 225 579</b>	<b>1 139 514</b>	<b>1 171 631</b>
-Radio, television and communication apparatus	6 543 934	546 041	433 560	436 557	575 640	486 839	459 919
-Professional equipment	7 793 342	680 570	601 148	749 838	649 939	652 675	711 712
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>139 600 661</b>	<b>11 493 780</b>	<b>12 012 650</b>	<b>14 107 630</b>	<b>11 098 242</b>	<b>13 428 012</b>	<b>13 562 096</b>
-Motor vehicles	68 801 772	5 678 663	6 098 079	7 283 620	5 563 821	7 130 962	7 096 802
-Bodies for motor vehicles, trailers and semi-trailers	6 588 091	528 596	565 807	620 563	522 647	593 290	615 501
-Parts and accessories	47 749 947	3 935 823	4 318 450	4 876 302	3 655 978	4 544 571	4 515 415
-Other transport equipment	16 460 851	1 350 698	1 030 314	1 327 145	1 355 797	1 159 189	1 334 378
<b>Furniture and other manufacturing division</b>	<b>56 413 006</b>	<b>4 383 938</b>	<b>4 523 954</b>	<b>4 720 009</b>	<b>4 585 839</b>	<b>4 877 764</b>	<b>4 934 713</b>
-Furniture	11 072 539	939 084	881 410	973 966	941 072	971 294	978 396
-Other manufacturing groups	45 340 467	3 444 854	3 642 544	3 746 043	3 644 768	3 906 471	3 956 318
<b>Total</b>	<b>1 161 599 800</b>	<b>93 686 610</b>	<b>94 801 270</b>	<b>102 364 048</b>	<b>94 062 010</b>	<b>101 853 614</b>	<b>102 751 749</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		
		May 2009	1/ May 2010	Percentage change between May 2009 and May 2010	April 2010	May 2010	Percentage change between April and May 2010
<b>Food and beverages</b>	<b>240 845 177</b>	<b>19 140 694</b>	<b>19 322 080</b>	<b>0,9</b>	<b>19 445 735</b>	<b>20 038 913</b>	<b>3,1</b>
-Meat, fish, fruit, etc.	63 578 365	5 316 412	5 429 127	2,1	5 206 404	5 337 215	2,5
-Dairy products	20 468 131	1 577 659	1 631 363	3,4	1 737 085	1 760 650	1,4
-Grain mill products	45 484 365	3 781 608	3 466 436	-8,3	3 323 928	3 506 804	5,5
-Other food products	53 840 204	4 381 450	4 451 992	1,6	4 426 052	4 484 038	1,3
-Beverages	57 474 112	4 083 565	4 343 162	6,4	4 752 267	4 950 207	4,2
<b>Textiles, clothing, leather and footwear</b>	<b>38 323 315</b>	<b>3 312 427</b>	<b>3 199 693</b>	<b>-3,4</b>	<b>3 189 265</b>	<b>3 168 195</b>	<b>-0,7</b>
-Textiles	5 754 712	534 042	465 864	-12,8	438 959	437 074	-0,4
-Other textile products	9 345 257	802 687	793 422	-1,2	838 578	782 353	-6,7
-Knitted, crocheted articles	1 645 824	167 803	173 643	3,5	153 111	145 535	-4,9
-Wearing apparel	14 092 990	1 194 815	1 058 604	-11,4	1 078 812	1 078 946	0,0
-Leather and leather products	3 879 847	312 472	417 255	33,5	361 117	418 401	15,9
-Footwear	3 604 685	300 608	290 905	-3,2	318 688	305 886	-4,0
<b>Wood and wood products, paper, publishing and printing</b>	<b>101 721 747</b>	<b>8 586 916</b>	<b>8 963 921</b>	<b>4,4</b>	<b>8 755 638</b>	<b>8 929 043</b>	<b>2,0</b>
-Sawmilling and planing of wood	6 382 241	507 703	611 355	20,4	626 449	625 560	-0,1
-Products of wood	15 749 367	1 355 280	1 240 726	-8,5	1 251 646	1 221 415	-2,4
-Paper and paper products	45 633 499	3 810 792	4 135 312	8,5	4 023 289	4 107 382	2,1
-Publishing	13 331 316	1 155 241	1 121 807	-2,9	1 089 427	1 133 995	4,1
-Printing, recorded media	20 625 324	1 757 900	1 854 721	5,5	1 764 827	1 840 690	4,3
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>269 871 735</b>	<b>21 310 573</b>	<b>23 873 053</b>	<b>12,0</b>	<b>23 697 928</b>	<b>23 958 310</b>	<b>1,1</b>
-Coke, petroleum products and nuclear fuel	93 661 889	7 402 488	8 775 912	18,6	7 966 188	8 532 049	7,1
-Basic chemicals	53 153 291	4 047 552	4 260 097	5,3	4 525 794	4 397 593	-2,8
-Other chemical products	64 929 930	5 193 669	5 462 210	5,2	5 669 509	5 610 534	-1,0
-Rubber products	12 371 122	1 036 557	1 086 639	4,8	1 114 851	1 069 117	-4,1
-Plastic products	45 755 503	3 630 307	4 288 195	18,1	4 421 586	4 349 017	-1,6
<b>Glass and non-metallic mineral products</b>	<b>36 097 324</b>	<b>2 946 401</b>	<b>3 010 915</b>	<b>2,2</b>	<b>3 031 431</b>	<b>3 013 932</b>	<b>-0,6</b>
-Glass and glass products	6 605 208	479 841	506 496	5,6	539 437	554 605	2,8
-Non-metallic mineral products	29 492 116	2 466 560	2 504 419	1,5	2 491 995	2 459 327	-1,3
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>226 472 456</b>	<b>18 265 433</b>	<b>20 515 165</b>	<b>12,3</b>	<b>20 975 216</b>	<b>20 488 502</b>	<b>-2,3</b>
-Basic iron and steel products	77 590 894	6 420 444	8 242 386	28,4	8 328 387	7 973 699	-4,3
-Non-ferrous metal products	31 889 556	2 630 341	2 869 132	9,1	3 033 293	2 872 320	-5,3
-Structural metal products	21 258 572	1 800 977	1 736 589	-3,6	1 665 158	1 660 017	-0,3
-Other fabricated metal products	38 068 027	3 172 926	3 229 218	1,8	3 208 855	3 206 111	-0,1
-General purpose machinery	22 530 421	1 804 991	1 740 736	-3,6	1 792 277	1 774 868	-1,0
-Special purpose machinery	25 790 190	1 660 690	1 896 650	14,2	2 169 768	2 208 228	1,8
-Household appliances	9 344 796	775 064	800 454	3,3	777 478	793 258	2,0
<b>Electrical machinery</b>	<b>37 917 103</b>	<b>3 019 837</b>	<b>3 465 187</b>	<b>14,7</b>	<b>3 313 111</b>	<b>3 486 414</b>	<b>5,2</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>14 337 276</b>	<b>1 226 611</b>	<b>1 186 395</b>	<b>-3,3</b>	<b>1 139 514</b>	<b>1 171 631</b>	<b>2,8</b>
-Radio, television and communication apparatus	6 543 934	546 041	436 557	-20,1	486 839	459 919	-5,5
-Professional equipment	7 793 342	680 570	749 838	10,2	652 675	711 712	9,0
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>139 600 661</b>	<b>11 493 780</b>	<b>14 107 630</b>	<b>22,7</b>	<b>13 428 012</b>	<b>13 562 096</b>	<b>1,0</b>
-Motor vehicles	68 801 772	5 678 663	7 283 620	28,3	7 130 962	7 096 802	-0,5
-Bodies for motor vehicles, trailers and semi-trailers	6 588 091	528 596	620 563	17,4	593 290	615 501	3,7
-Parts and accessories	47 749 947	3 935 823	4 876 302	23,9	4 544 571	4 515 415	-0,6
-Other transport equipment	16 460 851	1 350 698	1 327 145	-1,7	1 159 189	1 334 378	15,1
<b>Furniture and other manufacturing division</b>	<b>56 413 006</b>	<b>4 383 938</b>	<b>4 720 009</b>	<b>7,7</b>	<b>4 877 764</b>	<b>4 934 713</b>	<b>1,2</b>
-Furniture	11 072 539	939 084	973 966	3,7	971 294	978 396	0,7
-Other manufacturing groups	45 340 467	3 444 854	3 746 043	8,7	3 906 471	3 956 318	1,3
<b>Total</b>	<b>1 161 599 800</b>	<b>93 686 610</b>	<b>102 364 048</b>	<b>9,3</b>	<b>101 853 614</b>	<b>102 751 749</b>	<b>0,9</b>

1/ Preliminary.

**Table 9 – Annual percentage change in the three-monthly physical volume of manufacturing production and estimated sales according to manufacturing divisions and major groups**

Manufacturing divisions and major groups	Weights	Production indices (base 2005=100)			Value of sales (R000)		
		March to May 2009	March to May 2010	Annual percentage change between March to May 2009 and March to May 2010	March to May 2009	March to May 2010	Annual percentage change between March to May 2009 and March to May 2010
<b>Food and beverages</b>	<b>15,4</b>	<b>106,0</b>	<b>109,8</b>	<b>3,6</b>	<b>58 077 347</b>	<b>58 998 992</b>	<b>1,6</b>
-Meat, fish, fruit, etc.	1,8	109,3	115,7	5,9	15 878 791	16 416 677	3,4
-Dairy products	0,8	104,5	103,1	-1,3	4 860 183	5 112 338	5,2
-Grain mill products	0,8	107,5	109,4	1,8	11 522 400	10 580 038	-8,2
-Other food products	5,2	103,1	107,9	4,7	12 772 927	12 836 496	0,5
-Beverages	6,8	107,4	110,4	2,8	13 043 046	14 053 443	7,7
<b>Textiles, clothing, leather and footwear</b>	<b>4,9</b>	<b>91,2</b>	<b>87,5</b>	<b>-4,1</b>	<b>9 927 197</b>	<b>9 590 873</b>	<b>-3,4</b>
-Textiles	0,7	81,5	73,5	-9,8	1 600 751	1 406 966	-12,1
-Other textile products	0,9	77,2	76,0	-1,6	2 402 008	2 384 933	-0,7
-Knitted, crocheted articles	0,2	120,5	126,0	4,6	486 301	500 076	2,8
-Wearing apparel	2,1	99,7	87,6	-12,1	3 668 100	3 252 512	-11,3
-Leather and leather products	0,6	77,8	95,4	22,6	928 986	1 153 939	24,2
-Footwear	0,4	102,9	107,9	4,9	841 051	892 447	6,1
<b>Wood and wood products, paper, publishing and printing</b>	<b>10,2</b>	<b>92,4</b>	<b>93,3</b>	<b>1,0</b>	<b>25 289 580</b>	<b>25 976 166</b>	<b>2,7</b>
-Sawmilling and planing of wood	0,7	70,8	87,0	22,9	1 521 797	1 813 760	19,2
-Products of wood	1,3	89,2	83,8	-6,1	3 920 808	3 694 270	-5,8
-Paper and paper products	3,8	103,9	109,7	5,6	11 365 411	11 961 425	5,2
-Publishing	1,9	90,6	80,5	-11,1	3 404 380	3 203 553	-5,9
-Printing, recorded media	2,5	83,9	84,1	0,2	5 077 184	5 303 158	4,5
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,1</b>	<b>103,3</b>	<b>112,9</b>	<b>9,3</b>	<b>63 574 417</b>	<b>69 740 413</b>	<b>9,7</b>
-Coke, petroleum products and nuclear fuel	8,5	95,5	91,0	-4,7	21 071 604	23 724 956	12,6
-Basic chemicals	4,5	98,0	120,1	22,6	12 914 776	13 211 658	2,3
-Other chemical products	5,3	107,1	117,9	10,1	15 859 139	16 652 844	5,0
-Rubber products	1,0	77,7	87,1	12,1	3 141 959	3 406 492	8,4
-Plastic products	2,7	138,6	168,9	21,9	10 586 939	12 744 463	20,4
<b>Glass and non-metallic mineral products</b>	<b>4,8</b>	<b>95,3</b>	<b>92,1</b>	<b>-3,4</b>	<b>8 742 491</b>	<b>8 913 560</b>	<b>2,0</b>
-Glass and glass products	1,0	111,6	109,4	-2,0	1 428 659	1 464 904	2,5
-Non-metallic mineral products	3,8	91,2	87,7	-3,8	7 313 832	7 448 656	1,8
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>22,9</b>	<b>83,4</b>	<b>92,3</b>	<b>10,7</b>	<b>55 684 905</b>	<b>62 637 088</b>	<b>12,5</b>
-Basic iron and steel products	7,7	63,0	86,1	36,7	18 395 933	24 283 865	32,0
-Non-ferrous metal products	3,4	95,6	100,3	4,9	7 966 197	8 873 689	11,4
-Structural metal products	2,0	103,4	91,6	-11,4	5 685 677	5 051 246	-11,2
-Other fabricated metal products	3,8	109,2	107,3	-1,7	9 596 931	9 732 932	1,4
-General purpose machinery	2,4	71,4	68,7	-3,8	5 495 226	5 310 120	-3,4
-Special purpose machinery	3,1	83,2	97,7	17,4	6 194 579	6 975 645	12,6
-Household appliances	0,6	97,5	98,6	1,1	2 350 362	2 409 591	2,5
<b>Electrical machinery</b>	<b>2,5</b>	<b>122,7</b>	<b>130,1</b>	<b>6,0</b>	<b>9 683 428</b>	<b>10 363 916</b>	<b>7,0</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,1</b>	<b>98,8</b>	<b>94,2</b>	<b>-4,7</b>	<b>3 540 309</b>	<b>3 478 165</b>	<b>-1,8</b>
-Radio, television and communication apparatus	0,4	99,6	86,8	-12,9	1 611 108	1 438 843	-10,7
-Professional equipment	0,7	98,3	98,9	0,6	1 929 201	2 039 322	5,7
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>10,9</b>	<b>74,5</b>	<b>97,6</b>	<b>31,0</b>	<b>34 685 961</b>	<b>40 952 406</b>	<b>18,1</b>
-Motor vehicles	4,9	63,7	85,3	33,9	17 216 736	21 338 193	23,9
-Bodies for motor vehicles, trailers and semi-trailers	0,5	102,6	123,2	20,1	1 651 693	1 807 764	9,4
-Parts and accessories	4,7	72,7	105,2	44,7	11 668 401	14 125 010	21,1
-Other transport equipment	0,9	125,5	110,3	-12,1	4 149 131	3 681 439	-11,3
<b>Furniture and other manufacturing division</b>	<b>5,2</b>	<b>88,4</b>	<b>90,2</b>	<b>2,0</b>	<b>13 358 297</b>	<b>13 893 186</b>	<b>4,0</b>
-Furniture	1,3	84,9	86,4	1,8	2 636 159	2 730 010	3,6
-Other manufacturing groups	3,9	89,6	91,4	2,0	10 722 138	11 163 176	4,1
<b>Total</b>	<b>100,0</b>	<b>93,6</b>	<b>100,8</b>	<b>7,7</b>	<b>282 563 932</b>	<b>304 544 765</b>	<b>7,8</b>

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

Manufacturing divisions and major groups	Weights	Indices (base 2005=100)				Value of sales (R million)			
		Jan. to May. 2009	Jan. to May. 2010	Annual percentage change between 2009 and 2010	1/ Contribution (percentage points)	Jan. to May. 2009	Jan. to May. 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>102,1</b>	<b>104,5</b>	<b>2,4</b>	<b>0,4</b>	<b>94 215</b>	<b>94 897</b>	<b>0,7</b>	<b>682</b>
-Meat, fish, fruit, etc.	1,8	104,5	109,3	4,6	0,1	25 095	25 753	2,6	658
-Dairy products	0,8	105,1	103,7	-1,3	0,0	8 171	8 278	1,3	107
-Grain mill products	0,8	104,0	105,0	1,0	0,0	18 685	16 977	-9,1	-1 708
-Other food products	5,2	95,3	97,6	2,4	0,1	20 817	20 963	0,7	146
-Beverages	6,8	106,2	108,4	2,1	0,2	21 448	22 926	6,9	1 478
<b>Textiles, clothing, leather and footwear</b>	<b>4,9</b>	<b>88,3</b>	<b>82,3</b>	<b>-6,8</b>	<b>-0,3</b>	<b>15 651</b>	<b>14 861</b>	<b>-5,0</b>	<b>-790</b>
-Textiles	0,7	80,7	68,7	-14,9	-0,1	2 520	2 187	-13,2	-333
-Other textile products	0,9	76,5	73,3	-4,2	0,0	3 835	3 718	-3,1	-117
-Knitted, crocheted articles	0,2	110,0	114,0	3,6	0,0	727	742	2,1	15
-Wearing apparel	2,1	96,0	83,0	-13,5	-0,3	5 789	5 047	-12,8	-742
-Leather and leather products	0,6	77,3	89,4	15,7	0,1	1 500	1 822	21,5	322
-Footwear	0,4	95,5	97,2	1,8	0,0	1 280	1 345	5,1	65
<b>Wood and wood products, paper, publishing and printing</b>	<b>10,2</b>	<b>91,3</b>	<b>89,9</b>	<b>-1,5</b>	<b>-0,2</b>	<b>41 277</b>	<b>41 593</b>	<b>0,8</b>	<b>316</b>
-Sawmilling and planing of wood	0,7	72,6	82,9	14,2	0,1	2 509	2 896	15,4	387
-Products of wood	1,3	87,9	80,9	-8,0	-0,1	6 458	5 941	-8,0	-517
-Paper and paper products	3,8	102,7	105,7	2,9	0,1	18 562	19 121	3,0	559
-Publishing	1,9	89,8	78,5	-12,6	-0,2	5 606	5 211	-7,0	-395
-Printing, recorded media	2,5	81,7	80,6	-1,3	0,0	8 142	8 425	3,5	283
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,1</b>	<b>102,4</b>	<b>108,7</b>	<b>6,2</b>	<b>1,5</b>	<b>104 974</b>	<b>112 079</b>	<b>6,8</b>	<b>7 105</b>
-Coke, petroleum products and nuclear fuel	8,5	94,1	88,4	-6,1	-0,5	34 814	38 876	11,7	4 062
-Basic chemicals	4,5	100,9	117,0	16,0	0,8	22 334	21 407	-4,2	-927
-Other chemical products	5,3	105,8	112,1	6,0	0,4	25 730	26 265	2,1	535
-Rubber products	1,0	78,0	83,2	6,7	0,1	5 070	5 366	5,8	296
-Plastic products	2,7	133,1	161,0	21,0	0,8	17 025	20 165	18,4	3 140
<b>Glass and non-metallic mineral products</b>	<b>4,8</b>	<b>92,3</b>	<b>87,0</b>	<b>-5,7</b>	<b>-0,3</b>	<b>14 142</b>	<b>14 028</b>	<b>-0,8</b>	<b>-114</b>
-Glass and glass products	1,0	113,1	109,9	-2,8	0,0	2 423	2 434	0,5	11
-Non-metallic mineral products	3,8	87,1	81,3	-6,7	-0,2	11 719	11 594	-1,1	-125
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>22,9</b>	<b>80,7</b>	<b>89,2</b>	<b>10,5</b>	<b>2,1</b>	<b>91 088</b>	<b>98 231</b>	<b>7,8</b>	<b>7 143</b>
-Basic iron and steel products	7,7	57,6	85,7	48,8	2,4	29 735	38 068	28,0	8 333
-Non-ferrous metal products	3,4	92,7	96,8	4,4	0,2	13 135	13 491	2,7	356
-Structural metal products	2,0	97,3	86,1	-11,5	-0,2	9 022	7 806	-13,5	-1 216
-Other fabricated metal products	3,8	106,4	101,5	-4,6	-0,2	15 540	15 386	-1,0	-154
-General purpose machinery	2,4	71,0	66,6	-6,2	-0,1	9 065	8 592	-5,2	-473
-Special purpose machinery	3,1	87,2	92,8	6,4	0,2	10 705	11 067	3,4	362
-Household appliances	0,6	98,0	94,4	-3,7	0,0	3 885	3 821	-1,6	-64
<b>Electrical machinery</b>	<b>2,5</b>	<b>119,2</b>	<b>122,4</b>	<b>2,7</b>	<b>0,1</b>	<b>15 555</b>	<b>16 130</b>	<b>3,7</b>	<b>575</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,1</b>	<b>92,8</b>	<b>89,3</b>	<b>-3,8</b>	<b>0,0</b>	<b>5 640</b>	<b>5 511</b>	<b>-2,3</b>	<b>-129</b>
-Radio, television and communication apparatus	0,4	98,6	85,7	-13,1	-0,1	2 564	2 320	-9,5	-244
-Professional equipment	0,7	89,2	91,6	2,7	0,0	3 076	3 192	3,8	116
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>10,9</b>	<b>71,8</b>	<b>92,6</b>	<b>29,0</b>	<b>2,5</b>	<b>55 988</b>	<b>64 724</b>	<b>15,6</b>	<b>8 736</b>
-Motor vehicles	4,9	64,0	80,4	25,6	0,9	27 970	33 204	18,7	5 234
-Bodies for motor vehicles, trailers and semi-trailers	0,5	99,6	111,0	11,4	0,1	2 599	2 726	4,9	127
-Parts and accessories	4,7	67,3	100,1	48,7	1,7	18 766	22 731	21,1	3 965
-Other transport equipment	0,9	120,5	109,6	-9,0	-0,1	6 653	6 063	-8,9	-590
<b>Furniture and other manufacturing division</b>	<b>5,2</b>	<b>88,9</b>	<b>90,5</b>	<b>1,8</b>	<b>0,1</b>	<b>21 803</b>	<b>22 708</b>	<b>4,2</b>	<b>905</b>
-Furniture	1,3	81,2	81,3	0,1	0,0	4 172	4 252	1,9	80
-Other manufacturing groups	3,9	91,4	93,5	2,3	0,1	17 631	18 456	4,7	825
<b>Total</b>	<b>100,0</b>	<b>91,4</b>	<b>96,8</b>	<b>5,9</b>	<b>5,9</b>	<b>460 332</b>	<b>484 762</b>	<b>5,3</b>	<b>24 430</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 May 2010 was 91,1%. Improved response rate for April 2010 was 93,0%.
- Statistical unit**
- 10 The statistical unit for which information is compiled and published is the enterprise, defined as a legal unit or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.



**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>

## General information

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