

# Statistical release

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# Manufacturing: Production and sales (Preliminary)

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## Key figures for October 2011

**Table A – Manufacturing production and sales**

Estimates	October 2011	% change between October 2010 and October 2011	% change between August to October 2010 and August to October 2011	% change between January to October 2010 and January to October 2011
Physical volume of manufacturing production index (base: 2005=100)	112,9	1,0	4,8	2,5
Total estimated sales of manufactured products (R million)	128 317	9,9	13,4	8,9

Seasonally adjusted estimates	October 2011	% change between September and October 2011	% change between May to July 2011 and August to October 2011
Physical volume of manufacturing production index (base: 2005=100)	101,4	-3,6	2,8
Total value of sales of manufactured products (R million)	116 838	-3,1	5,9

**Manufacturing production for October 2011 increased by 1,0% compared with October 2010.**

The 1,0% year-on-year increase in manufacturing production for October 2011 was mainly due to higher production in the following divisions:

- the basic iron and steel, non-ferrous metal products, metal products and machinery division (7,0% and contributing 1,4 percentage points);
- the glass and non-metallic mineral products division (6,5% and contributing 0,3 of a percentage point); and
- the food and beverages division (1,2% and contributing 0,2 of a percentage point) (see Table 4b).

The motor vehicles, parts and accessories and other transport equipment division recorded negative growth of 6,7% (-0,8 of a percentage point).

**Seasonally adjusted manufacturing production for the three months ended October 2011 increased by 2,8% compared with the previous three months ended July 2011. Eight of the ten manufacturing divisions reported positive growth rates over this period.**

The increase was driven mainly by higher production recorded for:

- the food and beverages division (7,6% and contributing 1,3 percentage points);
- the motor vehicles, parts and accessories and other transport equipment division (5,4% and contributing 0,6 of a percentage point);
- the basic iron and steel, non-ferrous metal products, metal products and machinery division (2,6% and contributing 0,5 of a percentage point);
- the glass and non-metallic mineral products division (3,3% and contributing 0,2 of a percentage point); and
- the wood and wood products, paper, publishing and printing division (2,2% and contributing 0,2 of a percentage point).

However, these increases were partially counteracted by decreases reported by:

- the furniture and other manufacturing division (-2,0% and contributing -0,1 of a percentage point); and
- the petroleum, chemical products, rubber and plastic products division (-0,5% and contributing -0,1 of a percentage point) (see Table B).

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

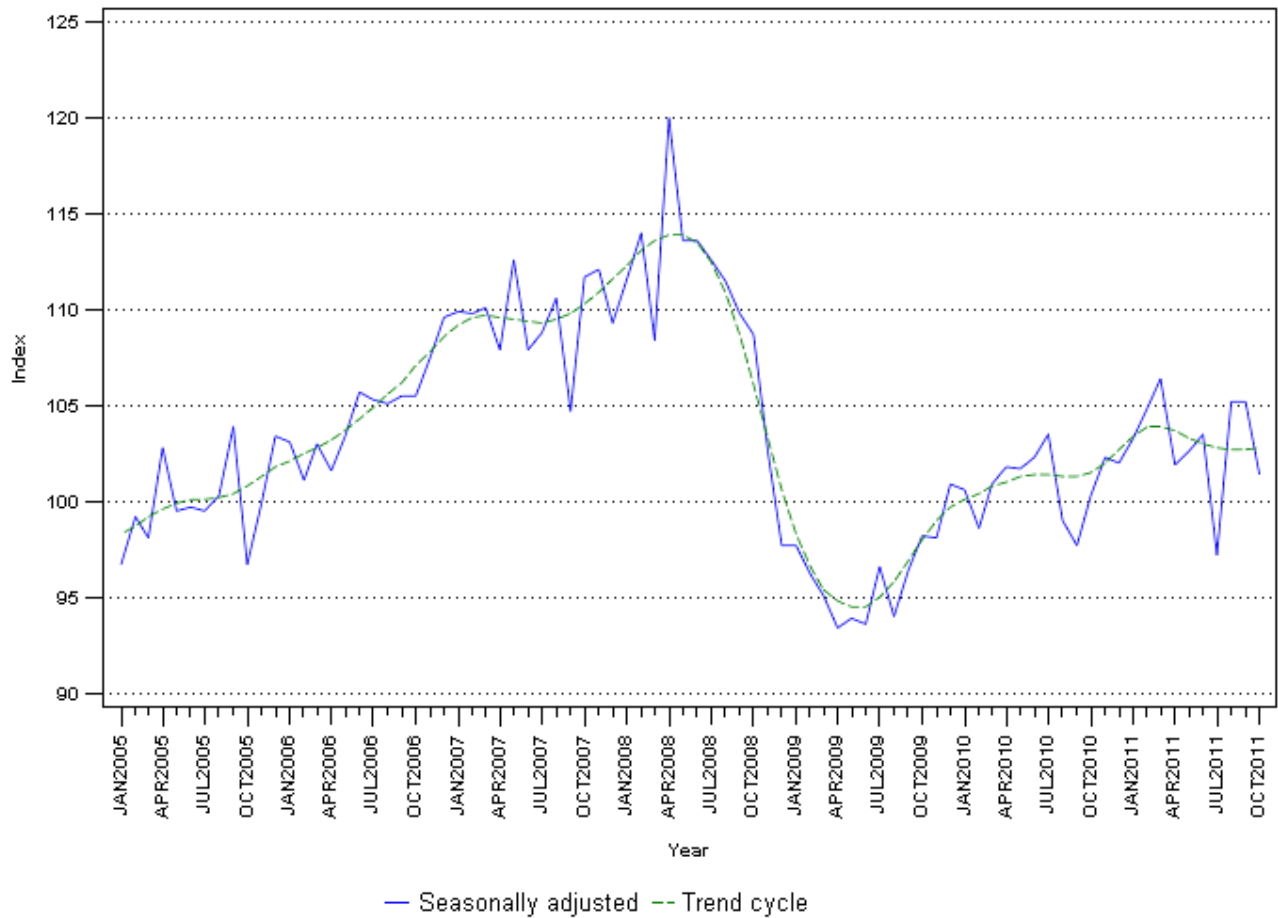
**Base: 2005=100**

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 May to July 2011	Average seasonally adjusted production index for August to October 2011	Quarterly percentage change of August to October 2011 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>114,4</b>	<b>123,1</b>	<b>7,6</b>	<b>1,3</b>
-Meat, fish, fruit, etc.	1,8	119,0	124,0	4,2	0,1
-Dairy products	0,8	114,3	119,8	4,8	0,0
-Grain mill products	0,8	104,7	113,9	8,8	0,1
-Other food products	5,2	112,6	118,3	5,1	0,3
-Beverages	6,8	115,9	128,1	10,5	0,8
<b>Textiles, clothing, leather and footwear</b>	<b>4,9</b>	<b>81,5</b>	<b>82,3</b>	<b>1,0</b>	<b>0,0</b>
-Textiles	1,6	66,6	68,3	2,6	0,0
-Wearing apparel	2,3	84,2	83,4	-1,0	0,0
-Leather and leather products	0,6	91,1	98,4	8,0	0,0
-Footwear	0,4	108,4	104,7	-3,4	0,0
<b>Wood and wood products, paper, publishing and printing</b>	<b>10,2</b>	<b>93,7</b>	<b>95,8</b>	<b>2,2</b>	<b>0,2</b>
-Wood and products of wood	2,0	87,2	87,3	0,1	0,0
-Paper and paper products	3,8	103,9	111,0	6,8	0,3
-Publishing and printing	4,3	87,6	86,2	-1,6	-0,1
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,1</b>	<b>111,8</b>	<b>111,2</b>	<b>-0,5</b>	<b>-0,1</b>
-Coke, petroleum products and nuclear fuel	8,5	92,6	80,8	-12,7	-1,0
-Basic chemicals	4,5	128,2	130,2	1,6	0,1
-Other chemical products	5,3	116,3	124,5	7,1	0,4
-Rubber products	1,0	94,2	99,3	5,4	0,1
-Plastic products	2,7	142,0	153,1	7,8	0,3
<b>Glass and non-metallic mineral products</b>	<b>4,8</b>	<b>95,8</b>	<b>99,0</b>	<b>3,3</b>	<b>0,2</b>
-Glass and glass products	1,0	116,1	115,1	-0,9	0,0
-Non-metallic mineral products	3,8	90,7	94,9	4,6	0,2
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>22,9</b>	<b>88,6</b>	<b>90,9</b>	<b>2,6</b>	<b>0,5</b>
-Basic iron and steel products	7,7	75,5	68,4	-9,4	-0,5
-Basic precious, non-ferrous metal products	3,4	107,9	112,8	4,5	0,2
-Fabricated metal products	5,7	98,0	109,0	11,2	0,6
-Machinery and equipment	6,1	85,3	89,8	5,3	0,3
<b>Electrical machinery</b>	<b>2,5</b>	<b>127,0</b>	<b>130,8</b>	<b>3,0</b>	<b>0,1</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,1</b>	<b>102,1</b>	<b>113,8</b>	<b>11,5</b>	<b>0,1</b>
-Radio, television and communication apparatus	0,4	100,3	120,9	20,5	0,1
-Professional equipment	0,7	103,3	109,3	5,8	0,0
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>10,9</b>	<b>101,8</b>	<b>107,3</b>	<b>5,4</b>	<b>0,6</b>
-Motor vehicles	4,9	96,1	103,0	7,2	0,3
-Bodies for motor vehicles, trailers and semi-trailers	0,5	121,3	128,3	5,8	0,0
-Parts and accessories	4,7	102,6	105,0	2,3	0,1
-Other transport equipment	0,9	117,4	129,8	10,6	0,1
<b>Furniture and other manufacturing division</b>	<b>5,2</b>	<b>94,6</b>	<b>92,7</b>	<b>-2,0</b>	<b>-0,1</b>
-Furniture	1,3	90,8	94,8	4,4	0,1
-Other manufacturing groups	3,9	96,0	92,0	-4,2	-0,2
<b>Total</b>	<b>100,0</b>	<b>101,1</b>	<b>103,9</b>	<b>2,8</b>	<b>2,8</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 – Index of the physical volume of manufacturing production: 2005 – 2011**

**Base: 2005=100**



**Seasonally adjusted sales of manufactured products (at current prices) for the three months ended October 2011 increased by 5,9% (R19 908 million) compared with the previous three months ended July 2011. All manufacturing divisions reported positive growth rates over this period (see Table C).**

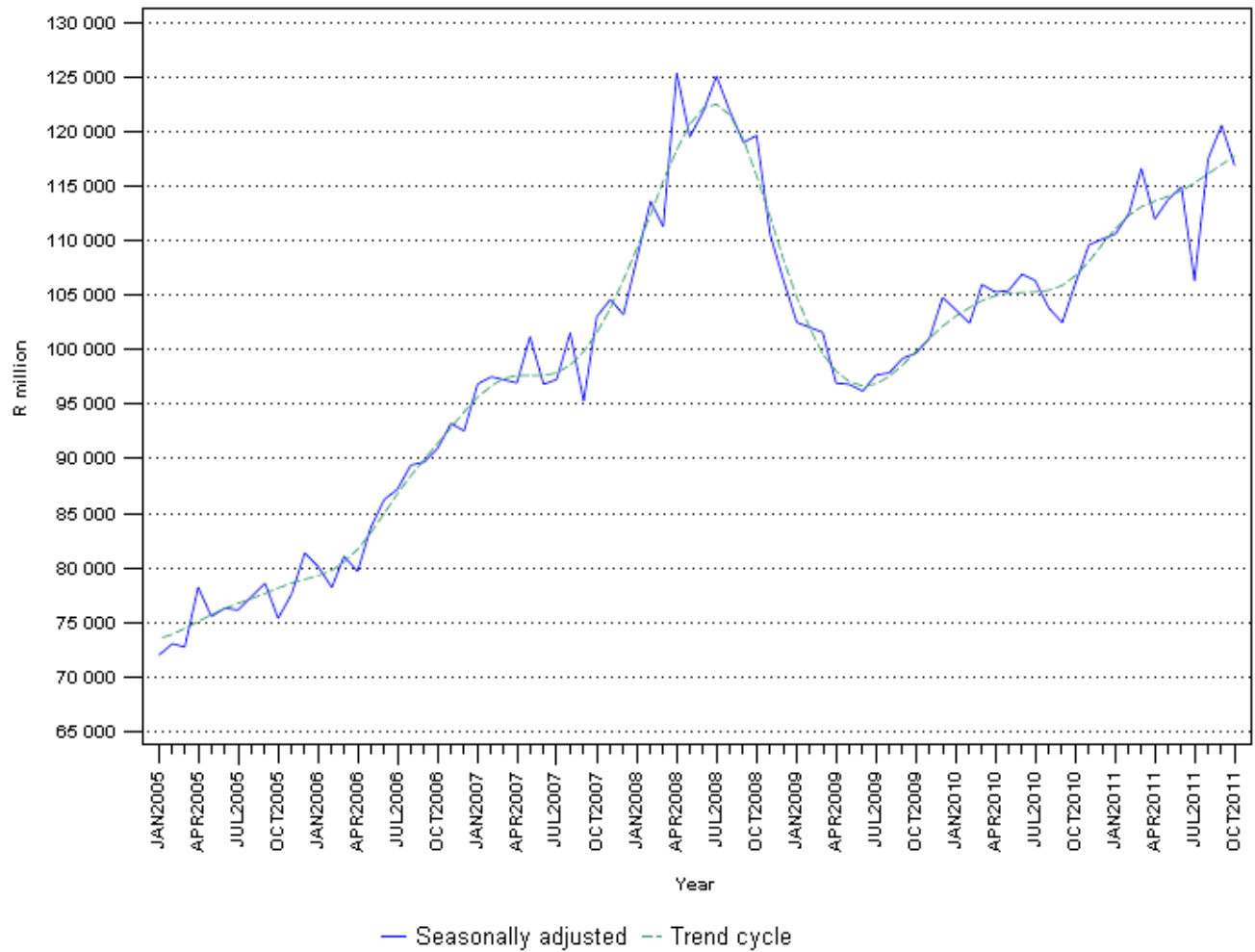
The five manufacturing divisions that were mainly responsible for the increase in total manufacturing sales were:

- the food and beverages division (7,2% or R4 687 million);
- the motor vehicles, parts and accessories and other transport equipment division (10,5% or R4 453 million);
- the basic iron and steel, non-ferrous metal products, metal products and machinery division (6,0% or R4 323 million);
- the petroleum, chemical products, rubber and plastic products division (4,1% or R3 297 million); and
- the electrical machinery division (10,3% or R1 010 million) (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 May to July 2011	Seasonally adjusted sales August to October 2011	Percentage change between May to July 2011 and August to October 2011	Difference in seasonally adjusted sales of manufacturing divisions between May to July 2011 and August to October 2011
	R'000	R'000	%	R'000
<b>Food and beverages</b>	<b>65 464 841</b>	<b>70 152 157</b>	<b>7,2</b>	<b>4 687 316</b>
-Food and food products	49 855 440	52 864 260	6,0	3 008 820
-Beverages	15 609 402	17 287 897	10,8	1 678 495
<b>Textiles, clothing, leather and footwear</b>	<b>9 692 815</b>	<b>9 976 139</b>	<b>2,9</b>	<b>283 324</b>
-Textiles	3 852 378	4 083 903	6,0	231 525
-Wearing apparel	3 827 205	3 829 286	0,1	2 081
-Leather and leather products	1 049 585	1 102 098	5,0	52 513
-Footwear	963 646	960 851	-0,3	-2 795
<b>Wood and wood products, paper, publishing and printing</b>	<b>26 763 301</b>	<b>27 281 703</b>	<b>1,9</b>	<b>518 402</b>
-Wood and products of wood	5 940 311	5 934 047	-0,1	-6 264
-Paper and paper products	11 566 171	12 201 450	5,5	635 279
-Publishing and printing	9 256 820	9 146 205	-1,2	-110 615
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>79 949 928</b>	<b>83 246 863</b>	<b>4,1</b>	<b>3 296 935</b>
-Coke, petroleum products and nuclear fuel	31 759 698	31 256 295	-1,6	-503 403
-Basic chemicals	16 573 843	17 803 737	7,4	1 229 894
-Other chemical products	17 363 497	18 402 269	6,0	1 038 772
-Rubber products	3 461 463	3 869 119	11,8	407 656
-Plastic products	10 791 427	11 915 441	10,4	1 124 014
<b>Glass and non-metallic mineral products</b>	<b>10 442 966</b>	<b>10 902 981</b>	<b>4,4</b>	<b>460 015</b>
-Glass and glass products	1 762 959	1 785 364	1,3	22 405
-Non-metallic mineral products	8 680 007	9 117 617	5,0	437 610
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>72 238 568</b>	<b>76 561 585</b>	<b>6,0</b>	<b>4 323 017</b>
-Basic iron and steel products	22 210 184	22 139 767	-0,3	-70 417
-Basic precious, non-ferrous metal products	15 060 976	16 153 756	7,3	1 092 780
-Fabricated metal products	17 417 797	19 624 076	12,7	2 206 279
-Machinery and equipment	17 549 614	18 643 985	6,2	1 094 371
<b>Electrical machinery</b>	<b>9 839 850</b>	<b>10 849 851</b>	<b>10,3</b>	<b>1 010 001</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>3 568 644</b>	<b>4 158 383</b>	<b>16,5</b>	<b>589 739</b>
-Radio, television and communication apparatus	1 701 838	2 233 140	31,2	531 302
-Professional equipment	1 866 806	1 925 242	3,1	58 436
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>42 413 405</b>	<b>46 866 363</b>	<b>10,5</b>	<b>4 452 958</b>
-Motor vehicles, trailers, parts and accessories	38 306 746	42 289 522	10,4	3 982 776
-Other transport equipment	4 106 659	4 576 841	11,4	470 182
<b>Furniture and other manufacturing division</b>	<b>14 575 079</b>	<b>14 861 261</b>	<b>2,0</b>	<b>286 182</b>
-Furniture	2 819 380	2 891 042	2,5	71 662
-Other manufacturing groups	11 755 700	11 970 219	1,8	214 519
<b>Total</b>	<b>334 949 399</b>	<b>354 857 285</b>	<b>5,9</b>	<b>19 907 886</b>

**Figure 2 – Total estimated sales of the manufacturing industry at current prices: 2005 – 2011**



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## Detailed results

**Table 1 – Total index of the physical volume of manufacturing production: 2005 – 2011**

**Base: 2005=100**

Month	2005	2006	2007	2008	2009	2010	2011
Jan	84,8	89,7	95,0	95,9	83,4	85,9	88,0
Feb	95,2	96,7	104,7	108,5	91,5	93,7	99,7
Mar	101,2	106,2	113,6	111,9	98,3	104,7	110,4
Apr	96,5	95,6	101,0	111,9	87,1	94,6	94,7
May	100,4	104,3	113,4	114,3	94,2	101,9	102,8
Jun	100,3	106,7	109,2	115,1	94,9	103,8	104,9
Jul	101,1	107,4	111,2	115,2	98,9	106,0	99,5
Aug	103,5	108,8	114,4	114,9	96,7	101,7	1/ 107,7
Sep	107,6	109,7	108,9	114,2	100,7	102,1	1/ 110,4
Oct	107,1	117,0	124,1	121,1	109,1	111,8	1/ 112,9
Nov	110,8	119,1	124,3	114,3	108,4	113,7	
Dec	91,4	96,6	96,5	87,8	90,2	90,9	
Year	<b>100,0</b>	<b>104,8</b>	<b>109,7</b>	<b>110,4</b>	<b>96,1</b>	<b>100,9</b>	

1/ Preliminary.

**Table 2 – Annual percentage change in the total index of the physical volume of manufacturing production: 2005 – 2011 2/**

Month	2005	2006	2007	2008	2009	2010	2011
Jan	2,4	5,8	5,9	0,9	-13,0	3,0	2,4
Feb	3,8	1,6	8,3	3,6	-15,7	2,4	6,4
Mar	0,0	4,9	7,0	-1,5	-12,2	6,5	5,4
Apr	8,3	-0,9	5,6	10,8	-22,2	8,6	0,1
May	1,6	3,9	8,7	0,8	-17,6	8,2	0,9
Jun	2,7	6,4	2,3	5,4	-17,5	9,4	1,1
Jul	1,0	6,2	3,5	3,6	-14,1	7,2	-6,1
Aug	3,2	5,1	5,1	0,4	-15,8	5,2	5,9
Sep	5,3	2,0	-0,7	4,9	-11,8	1,4	8,1
Oct	-1,0	9,2	6,1	-2,4	-9,9	2,5	1,0
Nov	3,3	7,5	4,4	-8,0	-5,2	4,9	
Dec	5,1	5,7	-0,1	-9,0	2,7	0,8	
Year	<b>2,9</b>	<b>4,8</b>	<b>4,7</b>	<b>0,6</b>	<b>-13,0</b>	<b>5,0</b>	

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: 2005 – 2011**

**Base: 2005=100**

Month	2005	2006	2007	2008	2009	2010	2011
Jan	96,7	103,1	109,9	111,6	97,7	100,6	103,3
Feb	99,2	101,1	109,8	114,0	96,2	98,6	104,9
Mar	98,1	103,0	110,1	108,4	95,1	100,9	106,4
Apr	102,8	101,6	107,9	120,0	93,4	101,8	101,9
May	99,5	103,4	112,6	113,6	93,9	101,7	102,6
Jun	99,7	105,7	107,9	113,6	93,6	102,3	103,5
Jul	99,5	105,3	108,8	112,6	96,6	103,5	97,2
Aug	100,3	105,1	110,6	111,5	94,0	99,0	105,2
Sep	103,9	105,5	104,7	109,8	96,4	97,7	105,2
Oct	96,7	105,5	111,7	108,7	98,2	100,3	101,4
Nov	99,9	107,5	112,1	102,6	98,1	102,3	
Dec	103,4	109,6	109,3	97,7	100,9	102,0	



**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 2010	Actual indices			Seasonally adjusted indices		
			October 2010	1/ September 2011	1/ October 2011	October 2010	September 2011	October 2011
<b>Food and beverages</b>	<b>15,4</b>	<b>116,5</b>	<b>133,9</b>	<b>130,1</b>	<b>135,5</b>	<b>118,2</b>	<b>121,5</b>	<b>119,9</b>
-Meat, fish, fruit, etc.	1,8	115,4	118,3	122,9	125,0	116,1	121,1	122,6
-Dairy products	0,8	111,6	122,4	128,8	136,3	107,6	122,6	119,6
-Grain mill products	0,8	110,4	115,6	115,9	117,8	111,3	110,8	113,3
-Other food products	5,2	116,4	153,1	133,1	138,2	125,6	118,8	113,1
-Beverages	6,8	118,2	127,1	131,7	138,4	115,1	124,8	125,3
<b>Textiles, clothing, leather and footwear</b>	<b>4,9</b>	<b>84,1</b>	<b>96,3</b>	<b>87,6</b>	<b>92,4</b>	<b>81,9</b>	<b>83,5</b>	<b>79,0</b>
-Textiles	0,7	66,5	71,0	60,4	63,7	64,4	59,5	57,9
-Other textile products	0,9	73,1	82,8	82,2	83,7	70,8	80,7	71,8
-Knitted, crocheted articles	0,2	103,6	108,4	75,4	92,4	96,3	80,5	82,3
-Wearing apparel	2,1	86,5	100,0	87,9	93,3	84,4	81,6	78,6
-Leather and leather products	0,6	90,4	93,0	95,8	110,5	86,3	100,2	102,8
-Footwear	0,4	107,3	147,3	132,9	125,3	109,3	113,0	92,9
<b>Wood and wood products, paper, publishing and printing</b>	<b>10,2</b>	<b>96,6</b>	<b>106,1</b>	<b>107,0</b>	<b>105,7</b>	<b>95,4</b>	<b>100,2</b>	<b>95,2</b>
-Sawmilling and planing of wood	0,7	84,0	94,7	94,9	92,3	85,1	90,4	83,2
-Products of wood	1,3	87,7	97,7	94,9	100,2	86,9	87,6	89,3
-Paper and paper products	3,8	113,3	121,4	129,7	119,4	111,9	120,1	109,8
-Publishing	1,9	81,1	85,6	83,6	88,1	79,3	80,2	81,9
-Printing, recorded media	2,5	90,6	105,6	99,1	104,6	89,4	93,6	89,0
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,1</b>	<b>111,3</b>	<b>117,7</b>	<b>114,3</b>	<b>117,2</b>	<b>109,6</b>	<b>112,6</b>	<b>108,4</b>
-Coke, petroleum products and nuclear fuel	8,5	92,8	91,5	74,3	73,1	94,0	81,2	75,4
-Basic chemicals	4,5	126,2	135,9	138,1	148,5	117,3	131,5	128,3
-Other chemical products	5,3	117,2	126,7	135,6	134,2	115,1	127,6	122,5
-Rubber products	1,0	82,5	95,9	111,9	103,7	89,3	105,3	96,7
-Plastic products	2,7	143,4	159,6	159,4	174,8	142,3	152,7	155,8
<b>Glass and non-metallic mineral products</b>	<b>4,8</b>	<b>93,9</b>	<b>103,5</b>	<b>107,2</b>	<b>110,2</b>	<b>92,8</b>	<b>98,9</b>	<b>99,4</b>
-Glass and glass products	1,0	120,7	142,5	123,8	130,9	122,6	116,3	112,5
-Non-metallic mineral products	3,8	87,2	93,7	103,0	105,0	85,4	94,6	96,1
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>22,9</b>	<b>89,3</b>	<b>94,1</b>	<b>96,2</b>	<b>100,7</b>	<b>86,2</b>	<b>91,3</b>	<b>92,3</b>
-Basic iron and steel products	7,7	80,1	80,9	74,0	81,7	74,8	70,0	75,7
-Non-ferrous metal products	3,4	100,3	108,5	113,5	115,1	103,2	110,8	109,6
-Structural metal products	2,0	92,9	99,1	98,5	96,0	91,5	92,9	89,1
-Other fabricated metal products	3,8	106,4	117,2	120,9	127,0	105,8	117,0	115,3
-General purpose machinery	2,4	70,1	78,3	82,2	85,5	69,6	75,9	76,0
-Special purpose machinery	3,1	89,5	88,1	107,1	110,7	78,1	98,3	97,7
-Household appliances	0,6	98,4	111,3	116,8	122,2	98,8	111,0	109,0
<b>Electrical machinery</b>	<b>2,5</b>	<b>127,7</b>	<b>133,7</b>	<b>151,9</b>	<b>136,8</b>	<b>124,2</b>	<b>137,4</b>	<b>127,7</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,1</b>	<b>94,6</b>	<b>97,3</b>	<b>130,4</b>	<b>111,5</b>	<b>92,9</b>	<b>121,7</b>	<b>106,6</b>
-Radio, television and communication apparatus	0,4	93,1	94,4	146,1	112,1	86,5	139,1	102,7
-Professional equipment	0,7	95,7	99,2	120,5	111,1	96,9	110,7	109,1
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>10,9</b>	<b>95,7</b>	<b>123,3</b>	<b>115,9</b>	<b>115,1</b>	<b>102,1</b>	<b>111,8</b>	<b>95,7</b>
-Motor vehicles	4,9	85,5	123,8	113,7	108,9	96,1	114,7	84,7
-Bodies for motor vehicles, trailers and semi-trailers	0,5	118,9	139,8	142,1	150,9	116,6	132,0	126,1
-Parts and accessories	4,7	100,2	118,5	117,1	116,3	101,4	105,5	99,8
-Other transport equipment	0,9	115,0	136,1	108,8	124,2	128,8	117,7	117,6
<b>Furniture and other manufacturing division</b>	<b>5,2</b>	<b>91,8</b>	<b>100,5</b>	<b>92,7</b>	<b>102,0</b>	<b>89,5</b>	<b>89,6</b>	<b>91,1</b>
-Furniture	1,3	92,1	112,9	102,5	117,7	90,2	95,6	94,4
-Other manufacturing groups	3,9	91,7	96,3	89,5	96,8	89,3	87,6	90,0
<b>Total</b>	<b>100,0</b>	<b>100,9</b>	<b>111,8</b>	<b>110,4</b>	<b>112,9</b>	<b>100,3</b>	<b>105,2</b>	<b>101,4</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 2010	Actual indices			Seasonally adjusted indices		
			October 2010	1/ October 2011	Percentage change between October 2010 and October 2011	September 2011	October 2011	Percentage change between September and October 2011
<b>Food and beverages</b>	<b>15,4</b>	<b>116,5</b>	<b>133,9</b>	<b>135,5</b>	<b>1,2</b>	<b>121,5</b>	<b>119,9</b>	<b>-1,3</b>
-Meat, fish, fruit, etc.	1,8	115,4	118,3	125,0	5,7	121,1	122,6	1,2
-Dairy products	0,8	111,6	122,4	136,3	11,4	122,6	119,6	-2,4
-Grain mill products	0,8	110,4	115,6	117,8	1,9	110,8	113,3	2,3
-Other food products	5,2	116,4	153,1	138,2	-9,7	118,8	113,1	-4,8
-Beverages	6,8	118,2	127,1	138,4	8,9	124,8	125,3	0,4
<b>Textiles, clothing, leather and footwear</b>	<b>4,9</b>	<b>84,1</b>	<b>96,3</b>	<b>92,4</b>	<b>-4,0</b>	<b>83,5</b>	<b>79,0</b>	<b>-5,4</b>
-Textiles	0,7	66,5	71,0	63,7	-10,3	59,5	57,9	-2,7
-Other textile products	0,9	73,1	82,8	83,7	1,1	80,7	71,8	-11,0
-Knitted, crocheted articles	0,2	103,6	108,4	92,4	-14,8	80,5	82,3	2,2
-Wearing apparel	2,1	86,5	100,0	93,3	-6,7	81,6	78,6	-3,7
-Leather and leather products	0,6	90,4	93,0	110,5	18,8	100,2	102,8	2,6
-Footwear	0,4	107,3	147,3	125,3	-14,9	113,0	92,9	-17,8
<b>Wood and wood products, paper, publishing and printing</b>	<b>10,2</b>	<b>96,6</b>	<b>106,1</b>	<b>105,7</b>	<b>-0,4</b>	<b>100,2</b>	<b>95,2</b>	<b>-5,0</b>
-Sawmilling and planing of wood	0,7	84,0	94,7	92,3	-2,5	90,4	83,2	-8,0
-Products of wood	1,3	87,7	97,7	100,2	2,6	87,6	89,3	1,9
-Paper and paper products	3,8	113,3	121,4	119,4	-1,6	120,1	109,8	-8,6
-Publishing	1,9	81,1	85,6	88,1	2,9	80,2	81,9	2,1
-Printing, recorded media	2,5	90,6	105,6	104,6	-0,9	93,6	89,0	-4,9
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,1</b>	<b>111,3</b>	<b>117,7</b>	<b>117,2</b>	<b>-0,4</b>	<b>112,6</b>	<b>108,4</b>	<b>-3,7</b>
-Coke, petroleum products and nuclear fuel	8,5	92,8	91,5	73,1	-20,1	81,2	75,4	-7,1
-Basic chemicals	4,5	126,2	135,9	148,5	9,3	131,5	128,3	-2,4
-Other chemical products	5,3	117,2	126,7	134,2	5,9	127,6	122,5	-4,0
-Rubber products	1,0	82,5	95,9	103,7	8,1	105,3	96,7	-8,2
-Plastic products	2,7	143,4	159,6	174,8	9,5	152,7	155,8	2,0
<b>Glass and non-metallic mineral products</b>	<b>4,8</b>	<b>93,9</b>	<b>103,5</b>	<b>110,2</b>	<b>6,5</b>	<b>98,9</b>	<b>99,4</b>	<b>0,5</b>
-Glass and glass products	1,0	120,7	142,5	130,9	-8,1	116,3	112,5	-3,3
-Non-metallic mineral products	3,8	87,2	93,7	105,0	12,1	94,6	96,1	1,6
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>22,9</b>	<b>89,3</b>	<b>94,1</b>	<b>100,7</b>	<b>7,0</b>	<b>91,3</b>	<b>92,3</b>	<b>1,1</b>
-Basic iron and steel products	7,7	80,1	80,9	81,7	1,0	70,0	75,7	8,1
-Non-ferrous metal products	3,4	100,3	108,5	115,1	6,1	110,8	109,6	-1,1
-Structural metal products	2,0	92,9	99,1	96,0	-3,1	92,9	89,1	-4,1
-Other fabricated metal products	3,8	106,4	117,2	127,0	8,4	117,0	115,3	-1,5
-General purpose machinery	2,4	70,1	78,3	85,5	9,2	75,9	76,0	0,1
-Special purpose machinery	3,1	89,5	88,1	110,7	25,7	98,3	97,7	-0,6
-Household appliances	0,6	98,4	111,3	122,2	9,8	111,0	109,0	-1,8
<b>Electrical machinery</b>	<b>2,5</b>	<b>127,7</b>	<b>133,7</b>	<b>136,8</b>	<b>2,3</b>	<b>137,4</b>	<b>127,7</b>	<b>-7,1</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,1</b>	<b>94,6</b>	<b>97,3</b>	<b>111,5</b>	<b>14,6</b>	<b>121,7</b>	<b>106,6</b>	<b>-12,4</b>
-Radio, television and communication apparatus	0,4	93,1	94,4	112,1	18,8	139,1	102,7	-26,2
-Professional equipment	0,7	95,7	99,2	111,1	12,0	110,7	109,1	-1,4
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>10,9</b>	<b>95,7</b>	<b>123,3</b>	<b>115,1</b>	<b>-6,7</b>	<b>111,8</b>	<b>95,7</b>	<b>-14,4</b>
-Motor vehicles	4,9	85,5	123,8	108,9	-12,0	114,7	84,7	-26,2
-Bodies for motor vehicles, trailers and semi-trailers	0,5	118,9	139,8	150,9	7,9	132,0	126,1	-4,5
-Parts and accessories	4,7	100,2	118,5	116,3	-1,9	105,5	99,8	-5,4
-Other transport equipment	0,9	115,0	136,1	124,2	-8,7	117,7	117,6	-0,1
<b>Furniture and other manufacturing division</b>	<b>5,2</b>	<b>91,8</b>	<b>100,5</b>	<b>102,0</b>	<b>1,5</b>	<b>89,6</b>	<b>91,1</b>	<b>1,7</b>
-Furniture	1,3	92,1	112,9	117,7	4,3	95,6	94,4	-1,3
-Other manufacturing groups	3,9	91,7	96,3	96,8	0,5	87,6	90,0	2,7
<b>Total</b>	<b>100,0</b>	<b>100,9</b>	<b>111,8</b>	<b>112,9</b>	<b>1,0</b>	<b>105,2</b>	<b>101,4</b>	<b>-3,6</b>

1/ Preliminary.

**Table 5 – Total estimated sales of the manufacturing industry at current prices (R'000): 2005 – 2011**

Month	2005	2006	2007	2008	2009	2010	2011
Jan	60 642 593	67 351 678	81 459 988	91 280 084	85 793 294	86 836 064	92 863 625
Feb	70 167 086	74 930 635	93 134 142	108 137 770	97 350 713	97 825 640	107 158 143
Mar	74 589 427	83 169 373	100 113 755	114 652 520	105 127 970	110 232 624	121 108 364
Apr	73 611 723	74 690 973	90 606 196	116 896 823	90 156 553	97 707 572	103 921 168
May	75 830 084	83 925 122	101 641 507	120 173 410	96 487 420	105 089 142	113 377 474
Jun	77 338 913	87 683 125	98 764 796	124 811 522	98 161 671	109 279 984	117 502 258
Jul	77 298 647	88 860 703	99 325 320	128 335 265	99 715 325	108 621 205	108 591 835
Aug	79 781 239	92 520 358	104 978 175	126 167 640	100 731 886	106 288 802	1/ 119 985 649
Sep	82 859 539	94 724 833	100 538 717	125 588 533	104 781 622	108 523 831	1/ 127 767 542
Oct	82 759 631	99 968 405	113 462 255	131 772 450	109 759 231	116 804 203	1/ 128 316 986
Nov	86 473 327	103 494 740	116 007 502	122 615 454	111 844 877	121 292 114	
Dec	73 429 961	82 554 715	91 954 469	95 903 778	95 002 438	99 664 494	
Year	<b>914 782 170</b>	<b>1 033 874 660</b>	<b>1 191 986 822</b>	<b>1 406 335 249</b>	<b>1 194 913 000</b>	<b>1 268 165 675</b>	

1/ Preliminary.

**Table 6 – Annual percentage change in the total estimated value of sales of the manufacturing industry: 2005 – 2011 2/**

Month	2005	2006	2007	2008	2009	2010	2011
Jan	4,6	11,1	20,9	12,1	-6,0	1,2	6,9
Feb	3,8	6,8	24,3	16,1	-10,0	0,5	9,5
Mar	0,4	11,5	20,4	14,5	-8,3	4,9	9,9
Apr	11,0	1,5	21,3	29,0	-22,9	8,4	6,4
May	4,8	10,7	21,1	18,2	-19,7	8,9	7,9
Jun	7,0	13,4	12,6	26,4	-21,4	11,3	7,5
Jul	6,1	15,0	11,8	29,2	-22,3	8,9	0,0
Aug	8,6	16,0	13,5	20,2	-20,2	5,5	12,9
Sep	7,8	14,3	6,1	24,9	-16,6	3,6	17,7
Oct	4,4	20,8	13,5	16,1	-16,7	6,4	9,9
Nov	6,1	19,7	12,1	5,7	-8,8	8,4	
Dec	9,7	12,4	11,4	4,3	-0,9	4,9	
Year	<b>6,1</b>	<b>13,0</b>	<b>15,3</b>	<b>18,0</b>	<b>-15,0</b>	<b>6,1</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 (R'000): 2005 – 2011**

Month	2005	2006	2007	2008	2009	2010	2011
Jan	72 006 592	80 100 933	96 840 518	108 368 302	102 492 342	103 608 026	110 603 572
Feb	73 053 063	78 197 724	97 506 801	113 599 124	102 011 191	102 418 640	112 494 934
Mar	72 740 259	81 061 417	97 241 929	111 269 990	101 587 247	105 965 650	116 595 640
Apr	78 227 515	79 672 034	96 936 699	125 325 257	96 915 994	105 259 224	111 964 627
May	75 532 214	83 666 525	101 180 078	119 490 661	96 811 505	105 393 856	113 704 541
Jun	76 311 674	86 258 432	96 819 583	121 832 549	96 195 699	106 910 442	114 915 704
Jul	76 134 583	87 188 600	97 260 082	125 062 276	97 654 576	106 329 404	106 329 154
Aug	77 357 010	89 421 834	101 529 456	121 807 885	97 875 461	103 830 743	117 457 505
Sep	78 582 455	89 693 921	95 276 404	118 977 819	99 209 678	102 463 747	120 561 345
Oct	75 375 626	90 928 456	103 029 617	119 608 945	99 663 090	106 038 010	116 838 435
Nov	77 599 545	93 218 105	104 587 236	110 507 302	101 055 841	109 577 306	
Dec	81 373 166	92 547 662	103 209 988	106 431 405	104 764 208	110 111 370	

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

Manufacturing divisions and major groups	Year 2010	Actual values			Seasonally adjusted values		
		October 2010	September 2011	1/ October 2011	October 2010	September 2011	October 2011
<b>Food and beverages</b>	<b>248 528 861</b>	<b>22 017 711</b>	<b>24 316 280</b>	<b>24 879 030</b>	<b>20 577 048</b>	<b>23 504 476</b>	<b>23 316 856</b>
-Meat, fish, fruit, etc.	67 147 429	5 851 974	6 733 487	6 808 111	5 626 839	6 574 371	6 567 920
-Dairy products	22 395 405	2 020 859	2 155 167	2 200 533	1 841 503	2 103 599	2 006 484
-Grain mill products	41 968 004	3 648 161	4 217 818	4 292 582	3 470 967	4 047 740	4 090 007
-Other food products	55 507 821	4 983 424	5 284 990	5 367 905	4 490 754	5 045 002	4 842 611
-Beverages	61 510 202	5 513 293	5 924 818	6 209 899	5 146 985	5 733 764	5 809 835
<b>Textiles, clothing, leather and footwear</b>	<b>39 304 498</b>	<b>3 676 876</b>	<b>3 552 094</b>	<b>3 732 984</b>	<b>3 154 507</b>	<b>3 430 523</b>	<b>3 209 070</b>
-Textiles	4 434 749	400 056	375 328	395 829	366 325	369 897	363 307
-Other textile products	11 285 992	1 045 990	1 070 612	1 108 361	895 175	1 071 105	951 168
-Knitted, crocheted articles	1 789 747	151 987	131 291	144 717	140 683	140 464	134 395
-Wearing apparel	14 242 260	1 340 206	1 212 180	1 255 960	1 142 225	1 148 902	1 070 798
-Leather and leather products	3 889 005	352 883	377 734	427 721	313 510	365 523	381 021
-Footwear	3 662 745	385 754	384 949	400 396	296 590	334 631	308 381
<b>Wood and wood products, paper, publishing and printing</b>	<b>106 468 918</b>	<b>9 632 835</b>	<b>10 405 743</b>	<b>9 844 810</b>	<b>8 694 204</b>	<b>9 540 839</b>	<b>8 904 128</b>
-Sawmilling and planing of wood	7 812 905	772 411	793 179	736 990	676 097	730 947	646 361
-Products of wood	14 991 913	1 413 913	1 426 964	1 452 089	1 259 562	1 295 399	1 298 080
-Paper and paper products	47 058 025	4 042 015	4 913 783	4 248 974	3 760 949	4 371 775	3 947 598
-Publishing	15 802 072	1 405 606	1 370 071	1 427 529	1 301 313	1 333 078	1 326 186
-Printing, recorded media	20 804 003	1 998 890	1 901 746	1 979 228	1 696 283	1 809 640	1 685 902
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>280 737 508</b>	<b>26 004 627</b>	<b>30 023 455</b>	<b>30 291 553</b>	<b>23 666 442</b>	<b>28 559 467</b>	<b>27 643 813</b>
-Coke, petroleum products and nuclear fuel	96 580 234	8 739 499	11 374 779	10 771 242	8 361 838	11 158 780	10 301 245
-Basic chemicals	60 460 303	5 938 128	6 403 756	7 043 019	5 114 890	5 848 349	6 074 348
-Other chemical products	69 496 277	6 372 649	6 693 509	6 656 661	5 725 757	6 286 432	6 006 743
-Rubber products	12 022 322	1 049 972	1 385 547	1 307 275	1 013 499	1 333 297	1 266 440
-Plastic products	42 178 372	3 904 379	4 165 864	4 513 356	3 450 459	3 932 609	3 995 036
<b>Glass and non-metallic mineral products</b>	<b>40 233 221</b>	<b>3 699 999</b>	<b>4 067 207</b>	<b>4 028 306</b>	<b>3 262 608</b>	<b>3 685 312</b>	<b>3 565 839</b>
-Glass and glass products	6 779 588	697 315	690 291	689 751	577 258	618 800	569 533
-Non-metallic mineral products	33 453 633	3 002 684	3 376 916	3 338 555	2 685 351	3 066 512	2 996 306
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>283 445 050</b>	<b>25 821 892</b>	<b>27 829 075</b>	<b>28 340 910</b>	<b>23 375 339</b>	<b>25 627 938</b>	<b>25 701 964</b>
-Basic iron and steel products	94 329 950	8 592 456	8 101 046	8 527 429	7 688 272	7 430 041	7 623 553
-Non-ferrous metal products	50 105 316	4 759 670	6 001 884	5 852 216	4 469 731	5 383 514	5 494 503
-Structural metal products	26 008 715	2 340 754	2 567 295	2 517 925	2 114 305	2 420 306	2 284 657
-Other fabricated metal products	45 003 323	4 096 994	4 368 290	4 539 394	3 665 963	4 131 387	4 066 640
-General purpose machinery	28 248 527	2 572 901	2 869 435	2 872 126	2 308 949	2 658 430	2 580 303
-Special purpose machinery	30 812 487	2 574 031	3 084 747	3 108 948	2 367 955	2 804 932	2 856 807
-Household appliances	8 936 732	885 086	836 378	922 872	760 164	799 328	795 501
-Electrical machinery	39 093 760	3 338 641	4 154 975	3 696 602	3 185 292	3 789 149	3 553 074
<b>Radio, television and communication apparatus and professional equipment</b>	<b>13 828 914</b>	<b>1 190 258</b>	<b>1 590 837</b>	<b>1 362 479</b>	<b>1 139 756</b>	<b>1 429 505</b>	<b>1 305 320</b>
-Radio, television and communication apparatus	6 843 071	585 377	884 258	716 781	546 663	781 143	670 762
-Professional equipment	6 985 843	604 881	706 579	645 698	593 094	648 361	634 558
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>161 650 617</b>	<b>16 564 217</b>	<b>16 820 594</b>	<b>16 789 294</b>	<b>14 436 492</b>	<b>16 181 502</b>	<b>14 638 326</b>
-Motor vehicles	82 269 350	8 514 672	8 999 396	8 531 632	7 338 919	8 609 514	7 366 939
-Bodies for motor vehicles, trailers and semi-trailers	7 611 222	750 204	776 484	833 177	634 765	725 798	706 264
-Parts and accessories	56 427 275	5 776 327	5 753 408	5 949 736	5 036 820	5 461 470	5 184 068
-Other transport equipment	15 342 770	1 523 014	1 291 306	1 474 749	1 425 989	1 384 720	1 381 055
<b>Furniture and other manufacturing division</b>	<b>54 874 328</b>	<b>4 857 147</b>	<b>5 007 282</b>	<b>5 351 018</b>	<b>4 546 319</b>	<b>4 812 635</b>	<b>5 000 045</b>
-Furniture	10 639 747	1 106 303	1 033 567	1 221 155	865 505	972 344	959 235
-Other manufacturing groups	44 234 581	3 750 844	3 973 715	4 129 863	3 680 815	3 840 291	4 040 810
<b>Total</b>	<b>1 268 165 675</b>	<b>116 804 203</b>	<b>127 767 542</b>	<b>128 316 986</b>	<b>106 038 010</b>	<b>120 561 345</b>	<b>116 838 435</b>

1/ Preliminary.

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

Manufacturing divisions and major groups	Year 2010	Actual values			Seasonally adjusted values		
		October 2010	1/ October 2011	Percentage change between October 2010 and October 2011	September 2011	October 2011	Percentage change between September and October 2011
<b>Food and beverages</b>	<b>248 528 861</b>	<b>22 017 711</b>	<b>24 879 030</b>	<b>13,0</b>	<b>23 504 476</b>	<b>23 316 856</b>	<b>-0,8</b>
-Meat, fish, fruit, etc.	67 147 429	5 851 974	6 808 111	16,3	6 574 371	6 567 920	-0,1
-Dairy products	22 395 405	2 020 859	2 200 533	8,9	2 103 599	2 006 484	-4,6
-Grain mill products	41 968 004	3 648 161	4 292 582	17,7	4 047 740	4 090 007	1,0
-Other food products	55 507 821	4 983 424	5 367 905	7,7	5 045 002	4 842 611	-4,0
-Beverages	61 510 202	5 513 293	6 209 899	12,6	5 733 764	5 809 835	1,3
<b>Textiles, clothing, leather and footwear</b>	<b>39 304 498</b>	<b>3 676 876</b>	<b>3 732 984</b>	<b>1,5</b>	<b>3 430 523</b>	<b>3 209 070</b>	<b>-6,5</b>
-Textiles	4 434 749	400 056	395 829	-1,1	369 897	363 307	-1,8
-Other textile products	11 285 992	1 045 990	1 108 361	6,0	1 071 105	951 168	-11,2
-Knitted, crocheted articles	1 789 747	151 987	144 717	-4,8	140 464	134 395	-4,3
-Wearing apparel	14 242 260	1 340 206	1 255 960	-6,3	1 148 902	1 070 798	-6,8
-Leather and leather products	3 889 005	352 883	427 721	21,2	365 523	381 021	4,2
-Footwear	3 662 745	385 754	400 396	3,8	334 631	308 381	-7,8
<b>Wood and wood products, paper, publishing and printing</b>	<b>106 468 918</b>	<b>9 632 835</b>	<b>9 844 810</b>	<b>2,2</b>	<b>9 540 839</b>	<b>8 904 128</b>	<b>-6,7</b>
-Sawmilling and planing of wood	7 812 905	772 411	736 990	-4,6	730 947	646 361	-11,6
-Products of wood	14 991 913	1 413 913	1 452 089	2,7	1 295 399	1 298 080	0,2
-Paper and paper products	47 058 025	4 042 015	4 248 974	5,1	4 371 775	3 947 598	-9,7
-Publishing	15 802 072	1 405 606	1 427 529	1,6	1 333 078	1 326 186	-0,5
-Printing, recorded media	20 804 003	1 998 890	1 979 228	-1,0	1 809 640	1 685 902	-6,8
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>280 737 508</b>	<b>26 004 627</b>	<b>30 291 553</b>	<b>16,5</b>	<b>28 559 467</b>	<b>27 643 813</b>	<b>-3,2</b>
-Coke, petroleum products and nuclear fuel	96 580 234	8 739 499	10 771 242	23,2	11 158 780	10 301 245	-7,7
-Basic chemicals	60 460 303	5 938 128	7 043 019	18,6	5 848 349	6 074 348	3,9
-Other chemical products	69 496 277	6 372 649	6 656 661	4,5	6 286 432	6 006 743	-4,4
-Rubber products	12 022 322	1 049 972	1 307 275	24,5	1 333 297	1 266 440	-5,0
-Plastic products	42 178 372	3 904 379	4 513 356	15,6	3 932 609	3 995 036	1,6
<b>Glass and non-metallic mineral products</b>	<b>40 233 221</b>	<b>3 699 999</b>	<b>4 028 306</b>	<b>8,9</b>	<b>3 685 312</b>	<b>3 565 839</b>	<b>-3,2</b>
-Glass and glass products	6 779 588	697 315	689 751	-1,1	618 800	569 533	-8,0
-Non-metallic mineral products	33 453 633	3 002 684	3 338 555	11,2	3 066 512	2 996 306	-2,3
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>283 445 050</b>	<b>25 821 892</b>	<b>28 340 910</b>	<b>9,8</b>	<b>25 627 938</b>	<b>25 701 964</b>	<b>0,3</b>
-Basic iron and steel products	94 329 950	8 592 456	8 527 429	-0,8	7 430 041	7 623 553	2,6
-Non-ferrous metal products	50 105 316	4 759 670	5 852 216	23,0	5 383 514	5 494 503	2,1
-Structural metal products	26 008 715	2 340 754	2 517 925	7,6	2 420 306	2 284 657	-5,6
-Other fabricated metal products	45 003 323	4 096 994	4 539 394	10,8	4 131 387	4 066 640	-1,6
-General purpose machinery	28 248 527	2 572 901	2 872 126	11,6	2 658 430	2 580 303	-2,9
-Special purpose machinery	30 812 487	2 574 031	3 108 948	20,8	2 804 932	2 856 807	1,8
-Household appliances	8 936 732	885 086	922 872	4,3	799 328	795 501	-0,5
<b>Electrical machinery</b>	<b>39 093 760</b>	<b>3 338 641</b>	<b>3 696 602</b>	<b>10,7</b>	<b>3 789 149</b>	<b>3 553 074</b>	<b>-6,2</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>13 828 914</b>	<b>1 190 258</b>	<b>1 362 479</b>	<b>14,5</b>	<b>1 429 505</b>	<b>1 305 320</b>	<b>-8,7</b>
-Radio, television and communication apparatus	6 843 071	585 377	716 781	22,4	781 143	670 762	-14,1
-Professional equipment	6 985 843	604 881	645 698	6,7	648 361	634 558	-2,1
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>161 650 617</b>	<b>16 564 217</b>	<b>16 789 294</b>	<b>1,4</b>	<b>16 181 502</b>	<b>14 638 326</b>	<b>-9,5</b>
-Motor vehicles	82 269 350	8 514 672	8 531 632	0,2	8 609 514	7 366 939	-14,4
-Bodies for motor vehicles, trailers and semi-trailers	7 611 222	750 204	833 177	11,1	725 798	706 264	-2,7
-Parts and accessories	56 427 275	5 776 327	5 949 736	3,0	5 461 470	5 184 068	-5,1
-Other transport equipment	15 342 770	1 523 014	1 474 749	-3,2	1 384 720	1 381 055	-0,3
<b>Furniture and other manufacturing division</b>	<b>54 874 328</b>	<b>4 857 147</b>	<b>5 351 018</b>	<b>10,2</b>	<b>4 812 635</b>	<b>5 000 045</b>	<b>3,9</b>
-Furniture	10 639 747	1 106 303	1 221 155	10,4	972 344	959 235	-1,3
-Other manufacturing groups	44 234 581	3 750 844	4 129 863	10,1	3 840 291	4 040 810	5,2
<b>Total</b>	<b>1 268 165 675</b>	<b>116 804 203</b>	<b>128 316 986</b>	<b>9,9</b>	<b>120 561 345</b>	<b>116 838 435</b>	<b>-3,1</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 2005	Production indices (base: 2005=100)			Value of sales (R'000)		
		Aug. to Oct. 2010	Aug. to Oct. 2011	Annual percentage change between Aug. to Oct. 2010 and Aug. to Oct. 2011	Aug. to Oct. 2010	Aug. to Oct. 2011	Annual percentage change between Aug. to Oct. 2010 and Aug. to Oct. 2011
<b>Food and beverages</b>	<b>15,4</b>	<b>125,5</b>	<b>131,0</b>	<b>4,4</b>	<b>64 289 873</b>	<b>72 204 210</b>	<b>12,3</b>
-Meat, fish, fruit, etc.	1,8	117,3	124,5	6,1	17 323 808	20 034 200	15,6
-Dairy products	0,8	118,9	127,2	7,0	5 853 585	6 311 750	7,8
-Grain mill products	0,8	115,8	116,5	0,6	10 844 412	12 628 798	16,5
-Other food products	5,2	139,0	137,3	-1,2	14 658 386	15 749 831	7,4
-Beverages	6,8	119,4	130,2	9,0	15 609 682	17 479 631	12,0
<b>Textiles, clothing, leather and footwear</b>	<b>4,9</b>	<b>88,6</b>	<b>88,3</b>	<b>-0,3</b>	<b>10 177 744</b>	<b>10 620 837</b>	<b>4,4</b>
-Textiles	0,7	67,7	61,7	-8,9	1 157 773	1 141 969	-1,4
-Other textile products	0,9	75,7	80,2	5,9	2 838 240	3 129 066	10,2
-Knitted, crocheted articles	0,2	97,7	81,2	-16,9	411 461	404 957	-1,6
-Wearing apparel	2,1	92,9	90,3	-2,8	3 749 811	3 674 701	-2,0
-Leather and leather products	0,6	87,9	98,3	11,8	979 030	1 152 347	17,7
-Footwear	0,4	125,9	124,8	-0,9	1 041 429	1 117 797	7,3
<b>Wood and wood products, paper, publishing and printing</b>	<b>10,2</b>	<b>103,0</b>	<b>101,9</b>	<b>-1,1</b>	<b>28 464 077</b>	<b>29 181 022</b>	<b>2,5</b>
-Sawmilling and planing of wood	0,7	89,8	93,1	3,7	2 151 131	2 260 602	5,1
-Products of wood	1,3	95,7	94,9	-0,8	4 123 625	4 194 065	1,7
-Paper and paper products	3,8	120,3	117,3	-2,5	12 513 617	13 027 299	4,1
-Publishing	1,9	83,6	83,9	0,4	4 055 640	4 098 812	1,1
-Printing, recorded media	2,5	98,6	97,8	-0,8	5 620 064	5 600 244	-0,4
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,1</b>	<b>115,7</b>	<b>116,1</b>	<b>0,3</b>	<b>75 407 029</b>	<b>88 992 049</b>	<b>18,0</b>
-Coke, petroleum products and nuclear fuel	8,5	97,1	79,8	-17,8	26 295 099	33 390 778	27,0
-Basic chemicals	4,5	129,4	141,0	9,0	16 424 134	19 344 308	17,8
-Other chemical products	5,3	123,3	130,9	6,2	18 584 032	19 488 718	4,9
-Rubber products	1,0	76,7	103,7	35,2	2 927 659	3 997 416	36,5
-Plastic products	2,7	150,2	163,5	8,9	11 176 105	12 770 829	14,3
<b>Glass and non-metallic mineral products</b>	<b>4,8</b>	<b>102,6</b>	<b>107,6</b>	<b>4,9</b>	<b>11 091 704</b>	<b>12 000 808</b>	<b>8,2</b>
-Glass and glass products	1,0	133,7	124,1	-7,2	1 928 825	1 977 347	2,5
-Non-metallic mineral products	3,8	94,9	103,4	9,0	9 162 879	10 023 461	9,4
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>22,9</b>	<b>91,2</b>	<b>96,1</b>	<b>5,4</b>	<b>73 705 070</b>	<b>82 422 759</b>	<b>11,8</b>
-Basic iron and steel products	7,7	77,1	72,6	-5,8	23 594 479	24 395 372	3,4
-Non-ferrous metal products	3,4	105,2	115,8	10,1	13 679 916	17 065 556	24,7
-Structural metal products	2,0	98,7	97,7	-1,0	6 927 278	7 606 806	9,8
-Other fabricated metal products	3,8	110,5	122,6	11,0	11 718 456	13 294 983	13,5
-General purpose machinery	2,4	75,0	81,9	9,2	7 491 144	8 377 032	11,8
-Special purpose machinery	3,1	91,8	106,1	15,6	7 873 613	9 091 554	15,5
-Household appliances	0,6	105,8	117,7	11,2	2 420 184	2 591 456	7,1
<b>Electrical machinery</b>	<b>2,5</b>	<b>136,2</b>	<b>140,7</b>	<b>3,3</b>	<b>10 238 805</b>	<b>11 495 395</b>	<b>12,3</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,1</b>	<b>97,9</b>	<b>119,1</b>	<b>21,7</b>	<b>3 591 164</b>	<b>4 422 384</b>	<b>23,1</b>
-Radio, television and communication apparatus	0,4	89,8	126,4	40,8	1 717 042	2 402 567	39,9
-Professional equipment	0,7	103,0	114,5	11,2	1 874 122	2 019 817	7,8
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>10,9</b>	<b>94,5</b>	<b>116,5</b>	<b>23,3</b>	<b>40 636 922</b>	<b>49 217 592</b>	<b>21,1</b>
-Motor vehicles	4,9	82,0	111,6	36,1	20 216 777	24 885 931	23,1
-Bodies for motor vehicles, trailers and semi-trailers	0,5	128,6	142,1	10,5	2 060 575	2 351 447	14,1
-Parts and accessories	4,7	98,2	116,3	18,4	14 190 090	17 329 429	22,1
-Other transport equipment	0,9	124,2	130,7	5,2	4 169 480	4 650 785	11,5
<b>Furniture and other manufacturing division</b>	<b>5,2</b>	<b>93,7</b>	<b>97,9</b>	<b>4,5</b>	<b>14 014 448</b>	<b>15 513 121</b>	<b>10,7</b>
-Furniture	1,3	101,9	105,3	3,3	2 966 857	3 225 732	8,7
-Other manufacturing groups	3,9	91,0	95,4	4,8	11 047 591	12 287 389	11,2
<b>Total</b>	<b>100,0</b>	<b>105,2</b>	<b>110,3</b>	<b>4,8</b>	<b>331 616 836</b>	<b>376 070 177</b>	<b>13,4</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 Oct. 2010	Jan. to Oct. 2011	Annual percentage change between 2010 and 2011	Contribution (percentage points)	Jan. to Oct. 2010	Jan. to Oct. 2011	Annual percentage change between 2010 and 2011	Difference in sales between 2010 and 2011
<b>Food and beverages</b>	<b>15,4</b>	<b>113,5</b>	<b>115,5</b>	<b>1,8</b>	<b>0,3</b>	<b>200 115</b>	<b>216 517</b>	<b>8,2</b>	<b>16 402</b>
-Meat, fish, fruit, etc.	1,8	113,0	117,8	4,2	0,1	54 248	60 428	11,4	6 180
-Dairy products	0,8	108,5	114,7	5,7	0,0	18 196	19 267	5,9	1 071
-Grain mill products	0,8	110,3	107,9	-2,2	0,0	34 676	37 730	8,8	3 054
-Other food products	5,2	117,3	115,8	-1,3	-0,1	45 237	48 054	6,2	2 817
-Beverages	6,8	111,8	115,8	3,6	0,3	47 756	51 038	6,9	3 282
<b>Textiles, clothing, leather and footwear</b>	<b>4,9</b>	<b>84,6</b>	<b>81,7</b>	<b>-3,4</b>	<b>-0,1</b>	<b>32 729</b>	<b>32 326</b>	<b>-1,2</b>	<b>-403</b>
-Textiles	0,7	68,2	61,2	-10,3	0,0	3 765	3 723	-1,1	-42
-Other textile products	0,9	73,7	73,0	-0,9	0,0	9 456	9 435	-0,2	-21
-Knitted, crocheted articles	0,2	106,6	93,9	-11,9	0,0	1 532	1 453	-5,2	-79
-Wearing apparel	2,1	86,5	82,0	-5,2	-0,1	11 759	11 047	-6,1	-712
-Leather and leather products	0,6	90,2	95,3	5,7	0,0	3 260	3 597	10,3	337
-Footwear	0,4	107,7	106,5	-1,1	0,0	2 958	3 072	3,9	114
<b>Wood and wood products, paper, publishing and printing</b>	<b>10,2</b>	<b>95,9</b>	<b>95,5</b>	<b>-0,4</b>	<b>0,0</b>	<b>87 923</b>	<b>90 109</b>	<b>2,5</b>	<b>2 186</b>
-Sawmilling and planing of wood	0,7	85,1	87,3	2,6	0,0	6 577	6 889	4,7	312
-Products of wood	1,3	87,2	88,0	0,9	0,0	12 421	12 915	4,0	494
-Paper and paper products	3,8	112,8	108,8	-3,5	-0,2	38 829	39 525	1,8	696
-Publishing	1,9	80,4	82,2	2,2	0,0	13 048	13 340	2,2	292
-Printing, recorded media	2,5	89,1	91,0	2,1	0,0	17 048	17 440	2,3	392
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,1</b>	<b>111,7</b>	<b>112,9</b>	<b>1,1</b>	<b>0,3</b>	<b>233 336</b>	<b>269 534</b>	<b>15,5</b>	<b>36 198</b>
-Coke, petroleum products and nuclear fuel	8,5	94,7	90,9	-4,0	-0,3	82 124	105 120	28,0	22 996
-Basic chemicals	4,5	125,4	130,3	3,9	0,2	49 341	56 237	14,0	6 896
-Other chemical products	5,3	116,5	119,4	2,5	0,2	57 084	59 267	3,8	2 183
-Rubber products	1,0	83,1	98,0	17,9	0,1	9 968	11 983	20,2	2 015
-Plastic products	2,7	143,0	145,6	1,8	0,1	34 820	36 926	6,0	2 106
<b>Glass and non-metallic mineral products</b>	<b>4,8</b>	<b>94,1</b>	<b>96,1</b>	<b>2,1</b>	<b>0,1</b>	<b>33 373</b>	<b>35 198</b>	<b>5,5</b>	<b>1 825</b>
-Glass and glass products	1,0	118,5	114,0	-3,8	0,0	5 373	5 678	5,7	305
-Non-metallic mineral products	3,8	88,0	91,7	4,2	0,1	28 000	29 520	5,4	1 520
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>22,9</b>	<b>90,0</b>	<b>92,0</b>	<b>2,2</b>	<b>0,5</b>	<b>236 854</b>	<b>254 040</b>	<b>7,3</b>	<b>17 186</b>
-Basic iron and steel products	7,7	82,6	79,3	-4,0	-0,3	79 613	81 449	2,3	1 836
-Non-ferrous metal products	3,4	99,9	109,7	9,8	0,3	41 163	51 699	25,6	10 536
-Structural metal products	2,0	92,9	90,8	-2,3	0,0	21 664	22 815	5,3	1 151
-Other fabricated metal products	3,8	106,7	112,0	5,0	0,2	37 741	39 139	3,7	1 398
-General purpose machinery	2,4	69,8	71,7	2,7	0,0	23 489	24 194	3,0	705
-Special purpose machinery	3,1	89,3	93,9	5,2	0,1	25 690	27 129	5,6	1 439
-Household appliances	0,6	99,4	102,0	2,6	0,0	7 494	7 615	1,6	121
<b>Electrical machinery</b>	<b>2,5</b>	<b>127,8</b>	<b>130,5</b>	<b>2,1</b>	<b>0,1</b>	<b>32 613</b>	<b>34 661</b>	<b>6,3</b>	<b>2 048</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,1</b>	<b>93,4</b>	<b>105,2</b>	<b>12,6</b>	<b>0,1</b>	<b>11 306</b>	<b>12 584</b>	<b>11,3</b>	<b>1 278</b>
-Radio, television and communication apparatus	0,4	89,8	103,6	15,4	0,1	5 460	6 275	14,9	815
-Professional equipment	0,7	95,7	106,2	11,0	0,1	5 845	6 309	7,9	464
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>10,9</b>	<b>95,3</b>	<b>106,3</b>	<b>11,5</b>	<b>1,2</b>	<b>133 738</b>	<b>146 708</b>	<b>9,7</b>	<b>12 970</b>
-Motor vehicles	4,9	84,1	100,5	19,5	0,8	67 431	72 370	7,3	4 939
-Bodies for motor vehicles, trailers and semi-trailers	0,5	119,6	127,1	6,3	0,0	6 303	6 842	8,6	539
-Parts and accessories	4,7	100,7	107,4	6,7	0,3	47 234	53 340	12,9	6 106
-Other transport equipment	0,9	115,1	120,9	5,0	0,1	12 770	14 156	10,9	1 386
<b>Furniture and other manufacturing division</b>	<b>5,2</b>	<b>92,0</b>	<b>94,4</b>	<b>2,6</b>	<b>0,1</b>	<b>45 222</b>	<b>48 915</b>	<b>8,2</b>	<b>3 693</b>
-Furniture	1,3	90,6	92,3	1,9	0,0	8 618	9 390	9,0	772
-Other manufacturing groups	3,9	92,5	95,1	2,8	0,1	36 604	39 524	8,0	2 920
<b>Total</b>	<b>100,0</b>	<b>100,6</b>	<b>103,1</b>	<b>2,5</b>	<b>2,5</b>	<b>1 047 209</b>	<b>1 140 593</b>	<b>8,9</b>	<b>93 384</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 updating 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 October 2011 was 90,6%. Improved response rate for September 2011 was 94,3%.
- 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 3 029 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 3 029 enterprises, which was drawn in April 2011 from a population then of 51 805 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 2011, 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 2011).

**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 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	15 000 000
Small	15 000 001	39 000 000
Medium	39 000 001	153 000 000
Large	153 000 001	

## 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 - 2011
<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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