



**Statistics
South Africa**

Preferred supplier of quality statistics



Statistical release

P3041.2

Manufacturing: Production and sales (Preliminary)

August 2010

Embargoed until:
12 October 2010
13:00

Enquiries:

User information services
Tel. (012) 310 8600/8390/8351

Forthcoming issue:

September 2010

Expected release date

11 November 2010

Statistics South Africa • Mbalo-mbalo dza Afrika Tshipembe • Tinhlayo-liko ta Afrika-Dzonga • Dipalopalo tsa Aforika Borwa • Ezezibalo zaseNingizimu Afrika
Dipalopalo tša Afrika Borwa • Dipalopalo tsa Afrika Borwa • Ubalo lwaseMzantsi Afrika • Telubalo eNingizimu Afrika • iNanimbalo leSewula Afrika • Statistiek Suid-Afrika

email: info@statssa.gov.za
www.statssa.gov.za

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

Contents

Summary of findings: Manufacturing production and sales	2
Key figures	2
Table A – Selected key figures regarding manufacturing production and sales for August 2010	2
Table B – Contribution of manufacturing divisions and major groups to the total three-monthly seasonally adjusted manufacturing production	3
Figure 1 – Index of the physical volume of manufacturing production: 2004 – 2010	4
Table C – Contribution of manufacturing divisions and major groups to the three-monthly total seasonally adjusted sales of the manufacturing industry at current prices	5
Figure 2 – Total estimated sales of the manufacturing industry at current prices: 2004 – 2010	6
Detailed results	7
Table 1 – Total index of the physical volume of manufacturing production: 2004 – 2010	7
Table 2 – Annual percentage change in the total index of the physical volume of manufacturing production: 2004 – 2010	7
Table 3 – Seasonally adjusted index of the total physical volume of manufacturing production: 2004 – 2010	7
Table 4a – Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups	8
Table 4b – Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups (concluded)	9
Table 5 – Total estimated sales of the manufacturing industry at current prices (R'000): 2004 – 2010	10
Table 6 – Annual percentage change in the total estimated value of sales of the manufacturing industry:	10
Table 7 – Total seasonally adjusted sales of the manufacturing industry at current prices (R'000): 2004 – 2010	10
Table 8a – Estimated sales of the manufacturing industry at current prices according to manufacturing divisions and major groups (R'000)	11
Table 8b – Estimated sales of the manufacturing industry at current prices according to manufacturing divisions and major groups (R'000) (concluded)	12
Table 9 – Annual percentage change in the three-monthly physical volume of manufacturing production and estimated sales according to manufacturing divisions and major groups	13
Table 10 – Annual percentage change in the cumulative physical volume of manufacturing production and estimated sales according to manufacturing divisions and major groups	14
Explanatory notes	15
Glossary	19
Table D – Weights according to manufacturing divisions and major groups	21
General information	22

Summary of findings: Manufacturing production and sales

Key figures

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

Actual estimates	August 2010	% change between August 2009 and August 2010	% change between June to August 2009 and June to August 2010	% change between January to August 2009 and January to August 2010
Physical volume of manufacturing production index (2005=100)	101,8	5,3	7,2	6,4
Total estimated sales of manufactured products (R million)	105 166	5,8	8,7	6,4

Seasonally adjusted estimates	August 2010	% change between July and August 2010	% change between March to May 2010 and June to August 2010
Physical volume of manufacturing production index (2005=100)	99,2	-3,6	-0,2
Total value of sales of manufactured products (R million)	102 286	-1,7	-0,7

Seasonally adjusted manufacturing production for the three months ended August 2010 decreased by 0,2% compared with the previous three months ended May 2010. Six of the ten manufacturing divisions reported negative growth rates over this period.

The decrease was driven by lower production in the basic iron and steel, non-ferrous metal products, metal products and machinery division (-4,1% and contributing -0,9 of a percentage point), the motor vehicles, parts and accessories and other transport equipment division (-4,8% and contributing -0,5 of a percentage point) and the furniture and 'other' manufacturing division (-8,8% and contributing -0,4 of a percentage point).

However, these decreases were partially counteracted by increases reported by the petroleum, chemical products, rubber and plastic products division (4,1% and contributing 1,0 percentage point), the wood and wood products, paper, publishing and printing division (4,5% and contributing 0,4 of a percentage point), the glass and non-metallic mineral products division (5,2% and 0,2 of a percentage point) and the food and beverages division (1,3% and contributing 0,2 of a percentage point) (see Table B).

Manufacturing production for August 2010 increased by 5,3% compared with August 2009.

The 5,3% increase in manufacturing production for August 2010 compared with August 2009 was due to higher production in the petroleum, chemical products, rubber and plastic products division (15,0% and contributing 3,5 percentage points), the wood and wood products, paper, publishing and printing division (9,7% and contributing 0,9 of a percentage point), the food and beverages division (4,7% and contributing 0,8 of a percentage point), the electrical machinery division (12,8% and contributing 0,4 of a percentage point), the motor vehicles, parts and accessories and other transport equipment division (1,8% and contributing 0,2 of a percentage point) and the glass and non-metallic mineral products division (2,5% 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

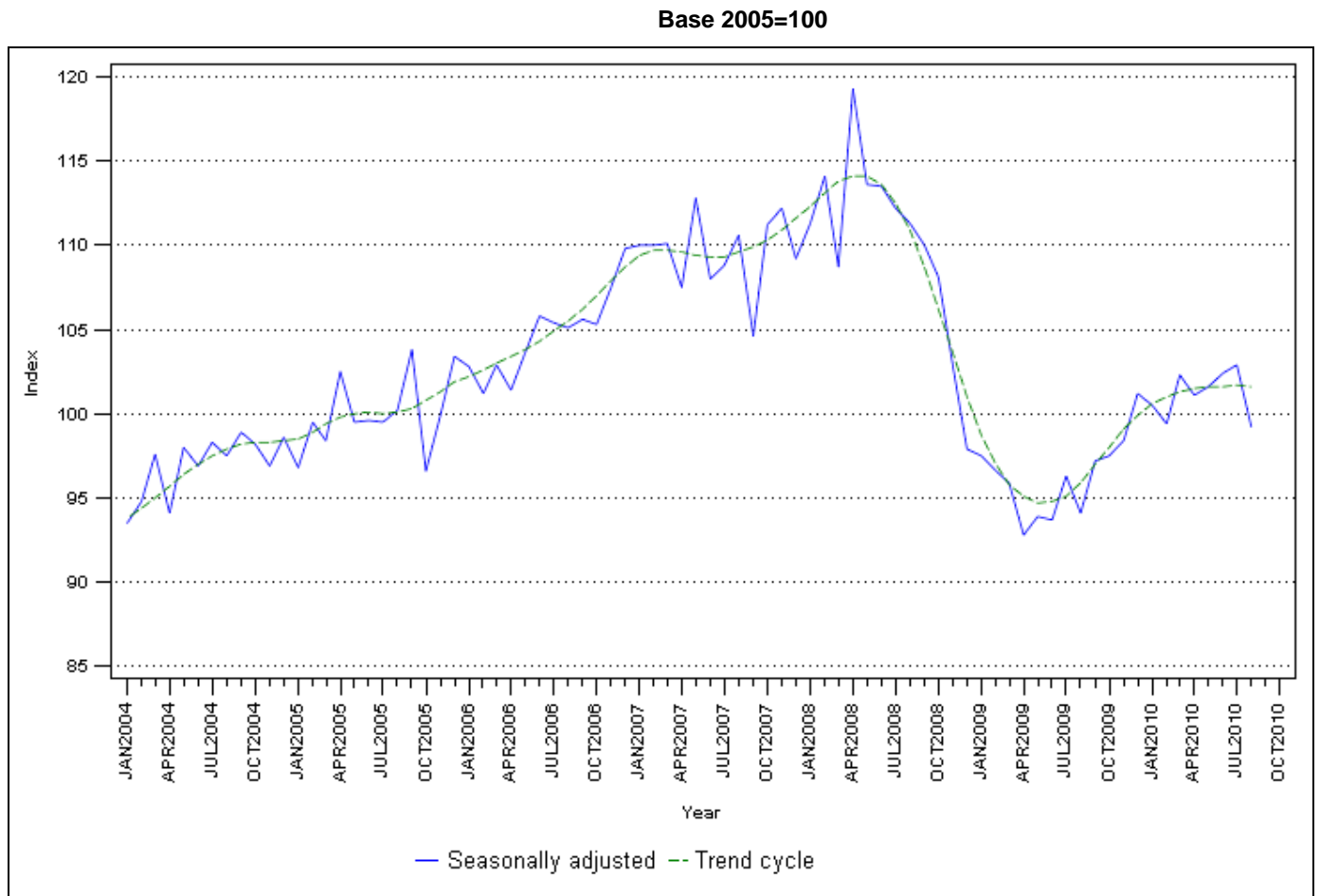
Base 2005=100

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 March to May 2010	Average seasonally adjusted production index for June to August 2010	Percentage change between June to August 2010 and the preceding three months	Contribution (percentage points) to the seasonally adjusted three-monthly percentage change in total manufacturing production <i>1/</i>
Food and beverages	15,4	114,6	116,1	1,3	0,2
-Meat, fish, fruit, etc.	1,8	111,2	117,0	5,2	0,1
-Dairy products	0,8	109,1	112,8	3,4	0,0
-Grain mill products	0,8	109,0	111,9	2,7	0,0
-Other food products	5,2	111,7	120,5	7,9	0,4
-Beverages	6,8	118,9	113,4	-4,6	-0,4
Textiles, clothing, leather and footwear	4,9	86,0	83,4	-3,0	-0,1
-Textiles	1,6	72,4	68,4	-5,5	-0,1
-Wearing apparel	2,3	88,8	87,5	-1,5	0,0
-Leather and leather products	0,6	93,5	92,1	-1,5	0,0
-Footwear	0,4	110,8	104,9	-5,3	0,0
Wood and wood products, paper, publishing and printing	10,2	94,9	99,2	4,5	0,4
-Wood and products of wood	2,0	84,8	86,1	1,5	0,0
-Paper and paper products	3,8	111,5	116,7	4,7	0,2
-Publishing and printing	4,3	84,8	89,8	5,9	0,2
Petroleum, chemical products, rubber and plastic products	22,1	111,1	115,6	4,1	1,0
-Coke, petroleum products and nuclear fuel	8,5	91,0	101,1	11,1	0,8
-Basic chemicals	4,5	126,2	133,6	5,9	0,3
-Other chemical products	5,3	117,7	116,9	-0,7	0,0
-Rubber products	1,0	84,5	85,5	1,2	0,0
-Plastic products	2,7	145,4	139,5	-4,1	-0,2
Glass and non-metallic mineral products	4,8	92,3	97,1	5,2	0,2
-Glass and glass products	1,0	117,3	121,5	3,6	0,0
-Non-metallic mineral products	3,8	86,1	91,0	5,7	0,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	92,2	88,4	-4,1	-0,9
-Basic iron and steel products	7,7	85,9	76,8	-10,6	-0,7
-Basic precious, non-ferrous metal products	3,4	99,2	99,1	-0,1	0,0
-Fabricated metal products	5,7	100,5	102,1	1,6	0,1
-Machinery and equipment	6,1	88,4	83,8	-5,2	-0,3
Electrical machinery	2,5	129,6	128,0	-1,2	0,0
Radio, television and communication apparatus and professional equipment	1,1	94,6	93,6	-1,1	0,0
-Radio, television and communication apparatus	0,4	91,1	86,4	-5,2	0,0
-Professional equipment	0,7	96,8	98,1	1,3	0,0
Motor vehicles, parts and accessories and other transport equipment	10,9	97,3	92,6	-4,8	-0,5
-Motor vehicles	4,9	86,2	81,4	-5,6	-0,2
-Bodies for motor vehicles, trailers and semi-trailers	0,5	121,9	123,0	0,9	0,0
-Parts and accessories	4,7	104,2	96,0	-7,9	-0,4
-Other transport equipment	0,9	108,9	118,7	9,0	0,1
Furniture and other manufacturing division	5,2	98,2	89,6	-8,8	-0,4
-Furniture	1,3	92,7	92,8	0,1	0,0
-Other manufacturing groups	3,9	100,0	88,6	-11,4	-0,4
Total	100,0	101,7	101,5	-0,2	-0,2

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 August 2010.

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



Total value of sales of manufactured products at current prices for the three months ended August 2010 decreased by 0,7% (-R2 110 million), after seasonal adjustment, compared with the previous three months ended May 2010. Six of the ten manufacturing divisions reported negative growth rates over this period (see Table C).

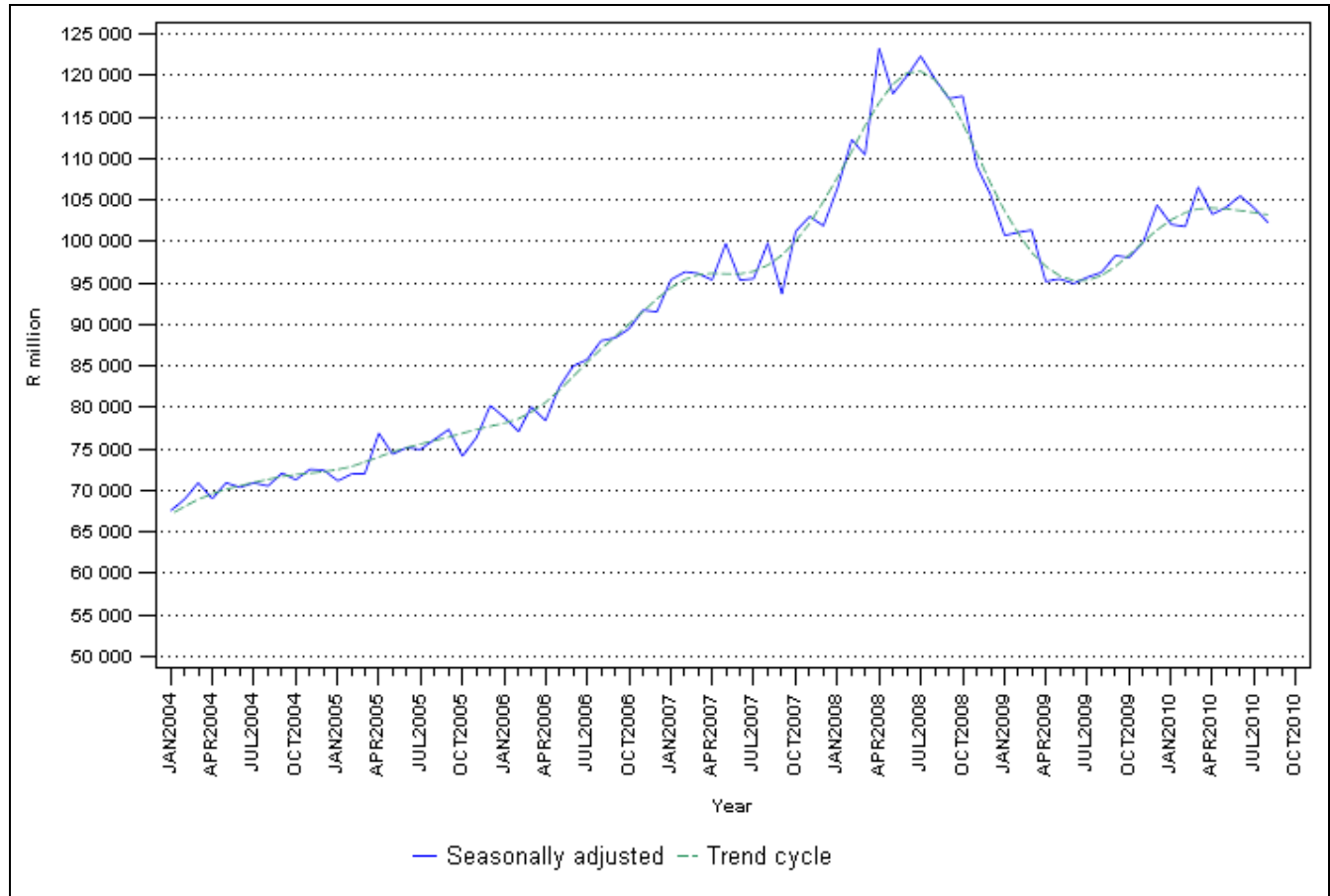
The large decrease reported by the basic iron and steel, non-ferrous metal products, metal products and machinery division (-6,1% or R4 221 million) during the above-mentioned period was mainly responsible for the decrease in total manufacturing sales (see Table C).

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

Manufacturing divisions and major groups	Seasonally adjusted sales March to May 2010	Seasonally adjusted sales June to August 2010	Percentage change between March to May 2010 and June to August 2010	Difference in seasonally adjusted sales of manufacturing divisions between March to May 2010 and June to August 2010
	R'000	R'000	%	R'000
Food and beverages	61 005 353	62 062 162	1,7	1 056 809
-Food and food products	45 704 103	47 153 684	3,2	1 449 581
-Beverages	15 301 248	14 908 476	-2,6	-392 772
Textiles, clothing, leather and footwear	9 679 766	9 248 394	-4,5	-431 372
-Textiles	3 882 629	3 650 295	-6,0	-232 334
-Wearing apparel	3 798 132	3 659 973	-3,6	-138 159
-Leather and leather products	1 046 845	1 001 290	-4,4	-45 555
-Footwear	952 161	936 837	-1,6	-15 324
Wood and wood products, paper, publishing and printing	26 587 296	27 778 533	4,5	1 191 237
-Wood and products of wood	5 663 346	5 572 716	-1,6	-90 630
-Paper and paper products	12 380 398	13 141 694	6,1	761 296
-Publishing and printing	8 543 551	9 064 120	6,1	520 569
Petroleum, chemical products, rubber and plastic products	69 407 657	71 205 269	2,6	1 797 612
-Coke, petroleum products and nuclear fuel	23 918 154	25 143 259	5,1	1 225 105
-Basic chemicals	14 491 751	15 125 822	4,4	634 071
-Other chemical products	17 296 292	17 416 651	0,7	120 359
-Rubber products	3 019 132	3 049 850	1,0	30 718
-Plastic products	10 682 328	10 469 686	-2,0	-212 642
Glass and non-metallic mineral products	10 037 010	10 404 333	3,7	367 323
-Glass and glass products	1 639 248	1 722 377	5,1	83 129
-Non-metallic mineral products	8 397 761	8 681 956	3,4	284 195
Basic iron and steel, non-ferrous metal products, metal products and machinery	69 039 462	64 818 493	-6,1	-4 220 969
-Basic iron and steel products	24 627 161	21 427 874	-13,0	-3 199 287
-Basic precious, non-ferrous metal products	11 783 857	11 571 219	-1,8	-212 638
-Fabricated metal products	15 723 007	15 365 480	-2,3	-357 527
-Machinery and equipment	16 905 435	16 453 920	-2,7	-451 515
Electrical machinery	9 568 355	9 473 462	-1,0	-94 893
Radio, television and communication apparatus and professional equipment	3 250 056	3 193 140	-1,8	-56 916
-Radio, television and communication apparatus	1 383 270	1 263 719	-8,6	-119 551
-Professional equipment	1 866 786	1 929 422	3,4	62 636
Motor vehicles, parts and accessories and other transport equipment	40 785 655	39 441 228	-3,3	-1 344 427
-Motor vehicles, trailers, parts and accessories	37 065 116	35 447 702	-4,4	-1 617 414
-Other transport equipment	3 720 538	3 993 528	7,3	272 990
Furniture and other manufacturing division	14 612 595	14 237 844	-2,6	-374 751
-Furniture	2 981 922	3 021 860	1,3	39 938
-Other manufacturing groups	11 630 674	11 215 983	-3,6	-414 691
Total	313 973 204	311 862 856	-0,7	-2 110 348

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

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



PJ Lehohla
Statistician-General

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	95,3	96,0	83,6	86,3
Feb	91,5	95,5	96,8	104,9	108,5	91,7	94,1
Mar	100,8	101,7	106,3	113,5	111,9	98,5	105,1
Apr	88,9	96,2	95,4	100,8	111,7	87,0	94,6
May	98,7	100,3	104,3	113,2	114,1	94,0	101,7
Jun	97,6	100,1	106,6	109,0	114,9	94,9	1/ 103,7
Jul	100,0	100,9	107,4	111,1	115,1	98,9	1/ 106,0
Aug	100,3	103,3	108,8	114,3	114,8	96,7	1/ 101,8
Sep	102,3	107,5	109,7	108,8	114,2	100,8	
Oct	108,2	106,9	117,0	124,1	121,1	109,2	
Nov	107,5	110,7	119,0	124,2	114,3	108,5	
Dec	87,0	91,4	96,9	96,5	87,9	90,5	
Year	97,1	100,0	104,8	109,6	110,4	96,2	

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	6,1	0,7	-12,9	3,2
Feb	-1,2	4,4	1,4	8,4	3,4	-15,5	2,6
Mar	5,0	0,9	4,5	6,8	-1,4	-12,0	6,7
Apr	0,1	8,2	-0,8	5,7	10,8	-22,1	8,7
May	5,2	1,6	4,0	8,5	0,8	-17,6	8,2
Jun	4,5	2,6	6,5	2,3	5,4	-17,4	9,3
Jul	3,6	0,9	6,4	3,4	3,6	-14,1	7,2
Aug	6,8	3,0	5,3	5,1	0,4	-15,8	5,3
Sep	6,5	5,1	2,0	-0,8	5,0	-11,7	
Oct	4,7	-1,2	9,4	6,1	-2,4	-9,8	
Nov	5,8	3,0	7,5	4,4	-8,0	-5,1	
Dec	7,8	5,1	6,0	-0,4	-8,9	3,0	
Year	4,0	3,0	4,8	4,6	0,7	-12,9	

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

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		
			August 2009	1/ July 2010	1/ August 2010	August 2009	July 2010	August 2010
Food and beverages	15,4	111,8	110,3	113,9	115,5	109,7	116,0	115,3
-Meat, fish, fruit, etc.	1,8	109,3	104,2	114,9	115,6	107,0	117,7	119,0
-Dairy products	0,8	109,7	109,6	105,2	115,5	110,4	112,4	116,2
-Grain mill products	0,8	108,5	104,6	113,6	111,3	106,1	111,1	113,3
-Other food products	5,2	110,3	124,7	133,2	132,1	109,7	124,1	116,9
-Beverages	6,8	114,2	101,7	100,1	103,5	110,9	110,5	113,3
Textiles, clothing, leather and footwear	4,9	89,5	86,5	84,2	83,0	84,6	83,4	81,3
-Textiles	0,7	73,7	64,1	70,8	64,9	62,0	68,0	62,9
-Other textile products	0,9	78,1	81,2	73,5	71,5	77,8	73,8	68,2
-Knitted, crocheted articles	0,2	104,4	93,7	96,5	91,3	96,3	98,2	94,8
-Wearing apparel	2,1	96,5	91,6	84,1	84,9	91,6	83,8	85,5
-Leather and leather products	0,6	83,6	82,6	93,5	87,1	83,8	93,6	88,3
-Footwear	0,4	107,3	111,0	110,8	118,1	96,5	106,2	102,8
Wood and wood products, paper, publishing and printing	10,2	92,0	90,7	102,6	99,5	88,7	103,3	97,4
-Sawmilling and planing of wood	0,7	73,4	75,7	90,5	90,9	72,3	85,2	86,8
-Products of wood	1,3	88,6	87,2	90,7	94,7	82,1	89,2	89,5
-Paper and paper products	3,8	103,6	100,4	114,7	118,0	99,8	116,4	117,4
-Publishing	1,9	86,8	82,9	79,1	78,0	83,4	81,2	78,8
-Printing, recorded media	2,5	84,8	87,7	111,1	92,0	83,7	112,1	87,4
Petroleum, chemical products, rubber and plastic products	22,1	105,0	102,7	121,0	118,1	100,0	115,7	115,1
-Coke, petroleum products and nuclear fuel	8,5	95,3	85,4	109,5	105,6	83,1	101,8	102,5
-Basic chemicals	4,5	107,9	112,5	139,0	133,1	108,3	132,7	128,7
-Other chemical products	5,3	109,6	107,9	116,2	118,1	107,4	115,2	117,7
-Rubber products	1,0	77,3	75,1	97,6	83,9	73,7	89,7	82,9
-Plastic products	2,7	131,2	140,3	145,3	144,7	134,4	141,0	138,7
Glass and non-metallic mineral products	4,8	96,5	100,1	99,2	102,6	96,3	95,3	98,7
-Glass and glass products	1,0	121,6	122,0	110,5	123,8	122,0	116,5	123,5
-Non-metallic mineral products	3,8	90,2	94,6	96,4	97,3	89,9	89,9	92,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	85,9	89,6	92,9	89,2	86,3	89,0	86,1
-Basic iron and steel products	7,7	72,0	83,6	79,7	76,3	78,8	76,9	71,5
-Non-ferrous metal products	3,4	95,4	94,6	101,8	101,5	92,3	99,4	99,1
-Structural metal products	2,0	96,7	96,0	100,4	96,1	92,9	93,0	93,2
-Other fabricated metal products	3,8	104,5	100,2	120,4	108,9	99,4	109,2	108,5
-General purpose machinery	2,4	73,2	75,5	72,8	71,8	71,9	70,8	68,5
-Special purpose machinery	3,1	88,3	91,1	91,4	91,0	87,4	92,1	87,8
-Household appliances	0,6	96,0	98,5	101,2	98,4	94,6	99,4	94,7
Electrical machinery	2,5	121,2	121,0	132,0	136,5	114,6	125,6	130,6
Radio, television and communication apparatus and professional equipment	1,1	98,7	98,5	100,3	95,6	97,2	94,2	94,5
-Radio, television and communication apparatus	0,4	102,8	99,4	91,5	84,3	99,3	86,5	84,5
-Professional equipment	0,7	96,1	97,9	105,9	102,8	95,9	99,1	100,9
Motor vehicles, parts and accessories and other transport equipment	10,9	79,7	83,2	108,9	84,7	78,7	100,6	80,6
-Motor vehicles	4,9	66,1	63,3	107,5	61,9	59,8	97,3	59,1
-Bodies for motor vehicles, trailers and semi-trailers	0,5	104,3	104,2	122,4	125,9	98,3	118,0	119,3
-Parts and accessories	4,7	82,4	92,6	106,6	96,6	86,9	98,0	90,8
-Other transport equipment	0,9	124,8	128,7	120,9	124,1	126,8	122,0	121,9
Furniture and other manufacturing division	5,2	94,5	97,1	91,9	88,7	96,5	91,4	88,2
-Furniture	1,3	88,8	87,4	98,3	93,6	85,6	93,0	91,8
-Other manufacturing groups	3,9	96,4	100,3	89,8	87,1	100,1	90,8	87,1
Total	100,0	96,2	96,7	106,0	101,8	94,1	102,9	99,2

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		
			August 2009	1/ August 2010	Percentage change between August 2009 and August 2010	July 2010	August 2010	Percentage change between July and August 2010
Food and beverages	15,4	111,8	110,3	115,5	4,7	116,0	115,3	-0,6
-Meat, fish, fruit, etc.	1,8	109,3	104,2	115,6	10,9	117,7	119,0	1,1
-Dairy products	0,8	109,7	109,6	115,5	5,4	112,4	116,2	3,4
-Grain mill products	0,8	108,5	104,6	111,3	6,4	111,1	113,3	2,0
-Other food products	5,2	110,3	124,7	132,1	5,9	124,1	116,9	-5,8
-Beverages	6,8	114,2	101,7	103,5	1,8	110,5	113,3	2,5
Textiles, clothing, leather and footwear	4,9	89,5	86,5	83,0	-4,0	83,4	81,3	-2,5
-Textiles	0,7	73,7	64,1	64,9	1,2	68,0	62,9	-7,5
-Other textile products	0,9	78,1	81,2	71,5	-11,9	73,8	68,2	-7,6
-Knitted, crocheted articles	0,2	104,4	93,7	91,3	-2,6	98,2	94,8	-3,5
-Wearing apparel	2,1	96,5	91,6	84,9	-7,3	83,8	85,5	2,0
-Leather and leather products	0,6	83,6	82,6	87,1	5,4	93,6	88,3	-5,7
-Footwear	0,4	107,3	111,0	118,1	6,4	106,2	102,8	-3,2
Wood and wood products, paper, publishing and printing	10,2	92,0	90,7	99,5	9,7	103,3	97,4	-5,7
-Sawmilling and planing of wood	0,7	73,4	75,7	90,9	20,1	85,2	86,8	1,9
-Products of wood	1,3	88,6	87,2	94,7	8,6	89,2	89,5	0,3
-Paper and paper products	3,8	103,6	100,4	118,0	17,5	116,4	117,4	0,9
-Publishing	1,9	86,8	82,9	78,0	-5,9	81,2	78,8	-3,0
-Printing, recorded media	2,5	84,8	87,7	92,0	4,9	112,1	87,4	-22,0
Petroleum, chemical products, rubber and plastic products	22,1	105,0	102,7	118,1	15,0	115,7	115,1	-0,5
-Coke, petroleum products and nuclear fuel	8,5	95,3	85,4	105,6	23,7	101,8	102,5	0,7
-Basic chemicals	4,5	107,9	112,5	133,1	18,3	132,7	128,7	-3,0
-Other chemical products	5,3	109,6	107,9	118,1	9,5	115,2	117,7	2,2
-Rubber products	1,0	77,3	75,1	83,9	11,7	89,7	82,9	-7,6
-Plastic products	2,7	131,2	140,3	144,7	3,1	141,0	138,7	-1,6
Glass and non-metallic mineral products	4,8	96,5	100,1	102,6	2,5	95,3	98,7	3,6
-Glass and glass products	1,0	121,6	122,0	123,8	1,5	116,5	123,5	6,0
-Non-metallic mineral products	3,8	90,2	94,6	97,3	2,9	89,9	92,5	2,9
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	85,9	89,6	89,2	-0,4	89,0	86,1	-3,3
-Basic iron and steel products	7,7	72,0	83,6	76,3	-8,7	76,9	71,5	-7,0
-Non-ferrous metal products	3,4	95,4	94,6	101,5	7,3	99,4	99,1	-0,3
-Structural metal products	2,0	96,7	96,0	96,1	0,1	93,0	93,2	0,2
-Other fabricated metal products	3,8	104,5	100,2	108,9	8,7	109,2	108,5	-0,6
-General purpose machinery	2,4	73,2	75,5	71,8	-4,9	70,8	68,5	-3,2
-Special purpose machinery	3,1	88,3	91,1	91,0	-0,1	92,1	87,8	-4,7
-Household appliances	0,6	96,0	98,5	98,4	-0,1	99,4	94,7	-4,7
Electrical machinery	2,5	121,2	121,0	136,5	12,8	125,6	130,6	4,0
Radio, television and communication apparatus and professional equipment	1,1	98,7	98,5	95,6	-2,9	94,2	94,5	0,3
-Radio, television and communication apparatus	0,4	102,8	99,4	84,3	-15,2	86,5	84,5	-2,3
-Professional equipment	0,7	96,1	97,9	102,8	5,0	99,1	100,9	1,8
Motor vehicles, parts and accessories and other transport equipment	10,9	79,7	83,2	84,7	1,8	100,6	80,6	-19,9
-Motor vehicles	4,9	66,1	63,3	61,9	-2,2	97,3	59,1	-39,3
-Bodies for motor vehicles, trailers and semi-trailers	0,5	104,3	104,2	125,9	20,8	118,0	119,3	1,1
-Parts and accessories	4,7	82,4	92,6	96,6	4,3	98,0	90,8	-7,3
-Other transport equipment	0,9	124,8	128,7	124,1	-3,6	122,0	121,9	-0,1
Furniture and other manufacturing division	5,2	94,5	97,1	88,7	-8,7	91,4	88,2	-3,5
-Furniture	1,3	88,8	87,4	93,6	7,1	93,0	91,8	-1,3
-Other manufacturing groups	3,9	96,4	100,3	87,1	-13,2	90,8	87,1	-4,1
Total	100,0	96,2	96,7	101,8	5,3	102,9	99,2	-3,6

1/ Preliminary.

Table 5 – Total estimated sales of the manufacturing industry at current prices (R'000): 2004 – 2010

Month	2004	2005	2006	2007	2008	2009	2010
Jan	57 132 553	60 063 082	66 484 938	80 538 318	90 120 929	84 819 210	86 164 210
Feb	66 502 495	69 193 109	73 901 384	91 988 434	106 616 455	96 192 926	96 905 945
Mar	72 867 592	73 858 342	82 047 327	98 673 703	112 950 687	103 814 911	109 176 123
Apr	65 221 353	72 381 184	73 494 509	89 107 318	115 062 249	88 797 741	96 353 590
May	71 259 129	74 601 624	82 575 109	100 003 365	118 293 383	95 133 046	103 770 879
Jun	71 125 898	76 071 471	86 293 995	97 130 007	122 894 285	96 891 148	1/ 107 804 180
Jul	71 718 015	76 103 755	87 489 215	97 758 776	126 353 845	98 368 052	1/ 107 254 910
Aug	72 358 270	78 533 270	91 130 164	103 286 147	124 293 826	99 412 537	1/ 105 165 751
Sep	75 769 608	81 576 570	93 387 334	98 938 121	123 806 867	103 482 347	
Oct	78 185 765	81 457 255	98 505 874	111 757 950	129 941 379	108 453 282	
Nov	80 545 958	85 122 282	101 894 005	114 304 668	120 894 966	110 596 379	
Dec	65 956 688	72 412 763	81 621 089	90 693 690	94 770 345	94 154 368	
Year	848 643 324	901 374 707	1 018 824 943	1 174 180 497	1 385 999 216	1 180 115 947	

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	1,1	5,1	10,7	21,1	11,9	-5,9	1,6
Feb	3,2	4,0	6,8	24,5	15,9	-9,8	0,7
Mar	8,8	1,4	11,1	20,3	14,5	-8,1	5,2
Apr	4,2	11,0	1,5	21,2	29,1	-22,8	8,5
May	11,0	4,7	10,7	21,1	18,3	-19,6	9,1
Jun	9,2	7,0	13,4	12,6	26,5	-21,2	11,3
Jul	9,1	6,1	15,0	11,7	29,3	-22,1	9,0
Aug	10,2	8,5	16,0	13,3	20,3	-20,0	5,8
Sep	12,4	7,7	14,5	5,9	25,1	-16,4	
Oct	8,4	4,2	20,9	13,5	16,3	-16,5	
Nov	13,8	5,7	19,7	12,2	5,8	-8,5	
Dec	10,3	9,8	12,7	11,1	4,5	-0,6	
Year	8,6	6,2	13,0	15,2	18,0	-14,9	

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): 2004 – 2010

Month	2004	2005	2006	2007	2008	2009	2010
Jan	67 561 514	71 169 343	78 821 601	95 414 867	106 490 466	100 745 389	102 072 292
Feb	68 980 991	72 013 367	77 112 049	96 355 218	112 286 268	101 115 227	101 806 552
Mar	70 919 954	72 004 818	80 077 538	96 163 238	110 466 541	101 392 599	106 565 315
Apr	69 014 622	76 903 765	78 411 811	95 369 094	123 272 593	95 178 227	103 293 286
May	70 922 424	74 375 639	82 441 982	99 771 465	117 810 811	95 505 284	104 114 603
Jun	70 386 505	75 177 409	85 013 387	95 353 919	119 952 546	94 935 182	105 500 636
Jul	70 923 954	74 943 800	85 762 748	95 525 260	122 355 002	95 687 915	104 075 921
Aug	70 533 756	76 158 317	88 047 275	99 815 619	119 605 320	96 290 043	102 286 299
Sep	72 101 712	77 359 009	88 405 748	93 684 866	117 230 721	98 313 440	
Oct	71 297 196	74 142 420	89 488 008	101 211 036	117 536 657	98 069 169	
Nov	72 548 781	76 385 725	91 751 151	103 024 946	109 076 282	99 984 088	
Dec	72 457 882	80 233 081	91 532 867	101 902 993	105 675 501	104 403 478	

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 2009	Actual values			Seasonally adjusted values		
		August 2009	1/ July 2010	1/ August 2010	August 2009	July 2010	August 2010
Food and beverages	239 997 619	19 256 596	19 912 750	20 540 745	19 548 008	20 439 152	20 887 486
-Meat, fish, fruit, etc.	64 578 008	5 182 888	5 648 160	5 775 890	5 249 803	5 702 608	5 871 434
-Dairy products	20 927 661	1 718 071	1 846 512	1 870 143	1 764 243	1 919 486	1 923 100
-Grain mill products	44 238 183	3 549 359	3 489 417	3 416 388	3 570 937	3 359 921	3 441 864
-Other food products	53 020 863	4 422 178	4 649 080	4 819 090	4 269 950	4 706 364	4 658 097
-Beverages	57 232 904	4 384 100	4 279 581	4 659 234	4 693 075	4 750 772	4 992 990
Textiles, clothing, leather and footwear	39 358 324	3 206 895	3 106 834	3 021 511	3 176 332	3 095 843	2 999 936
-Textiles	6 020 147	478 440	454 626	471 711	462 954	440 190	457 062
-Other textile products	9 944 381	809 935	791 097	730 985	815 699	780 816	738 270
-Knitted, crocheted articles	1 820 905	133 094	142 178	126 885	139 144	147 233	133 926
-Wearing apparel	14 398 708	1 181 243	1 063 319	1 053 149	1 175 302	1 071 062	1 053 678
-Leather and leather products	3 569 498	297 775	337 749	314 744	292 138	341 877	308 598
-Footwear	3 604 685	306 408	317 865	324 037	291 095	314 665	308 403
Wood and wood products, paper, publishing and printing	102 039 074	8 323 320	9 518 389	9 352 189	8 136 701	9 562 917	9 167 721
-Sawmilling and planing of wood	6 411 740	573 488	617 203	617 804	537 425	577 200	579 052
-Products of wood	16 025 375	1 334 405	1 310 936	1 413 187	1 250 320	1 297 365	1 331 294
-Paper and paper products	46 059 169	3 612 144	4 322 298	4 400 474	3 611 850	4 365 137	4 410 583
-Publishing	14 886 400	1 220 053	1 159 741	1 180 220	1 214 457	1 193 870	1 176 774
-Printing, recorded media	18 656 390	1 583 230	2 108 211	1 740 504	1 522 650	2 129 344	1 670 017
Petroleum, chemical products, rubber and plastic products	262 540 179	23 675 666	24 841 730	25 014 992	22 241 841	23 469 918	23 555 045
-Coke, petroleum products and nuclear fuel	89 965 147	9 547 123	9 178 741	9 503 664	8 364 470	8 201 843	8 286 842
-Basic chemicals	56 237 245	4 518 179	5 326 957	4 976 504	4 420 182	5 101 180	4 884 340
-Other chemical products	66 512 727	5 362 198	5 706 912	5 890 043	5 319 369	5 659 165	5 854 541
-Rubber products	11 347 042	908 661	1 091 983	1 054 119	889 964	1 025 687	1 034 071
-Plastic products	38 478 018	3 339 505	3 537 137	3 590 662	3 247 856	3 482 044	3 495 250
Glass and non-metallic mineral products	40 112 675	3 439 400	3 648 795	3 727 217	3 242 207	3 440 967	3 516 245
-Glass and glass products	6 691 796	545 379	527 954	596 904	537 171	561 902	589 474
-Non-metallic mineral products	33 420 879	2 894 021	3 120 841	3 130 313	2 705 036	2 879 066	2 926 770
Basic iron and steel, non-ferrous metal products, metal products and machinery	249 364 417	21 664 052	22 656 996	21 679 276	20 483 131	21 441 555	20 565 350
-Basic iron and steel products	77 590 894	7 653 469	7 363 509	6 916 275	6 925 722	6 900 791	6 224 018
-Non-ferrous metal products	42 550 609	3 286 721	4 037 433	4 010 955	3 201 665	3 893 993	3 912 972
-Structural metal products	23 111 172	1 889 414	1 966 272	1 889 176	1 795 695	1 811 127	1 801 530
-Other fabricated metal products	40 036 447	3 280 595	3 739 746	3 426 448	3 167 812	3 352 078	3 318 869
-General purpose machinery	28 209 259	2 410 747	2 336 127	2 309 697	2 291 247	2 271 150	2 197 401
-Special purpose machinery	28 423 653	2 355 573	2 390 237	2 334 156	2 320 407	2 385 998	2 320 739
-Household appliances	9 442 383	787 533	823 672	792 569	780 582	826 418	789 821
Electrical machinery	35 326 612	2 953 072	3 378 658	3 203 631	2 843 336	3 172 852	3 114 005
Radio, television and communication apparatus and professional equipment	13 518 475	1 163 240	1 150 179	1 104 093	1 119 936	1 134 037	1 063 222
-Radio, television and communication apparatus	6 041 590	530 380	436 936	431 768	510 621	428 949	414 972
-Professional equipment	7 476 885	632 860	713 243	672 325	609 315	705 088	648 251
Motor vehicles, parts and accessories and other transport equipment	142 178 315	11 120 479	14 330 305	12 776 838	10 979 607	13 698 373	12 741 576
-Motor vehicles	69 665 442	5 017 558	7 155 059	6 246 488	5 097 980	6 841 098	6 439 104
-Bodies for motor vehicles, trailers and semi-trailers	6 889 529	579 003	676 578	677 892	534 451	631 890	628 589
-Parts and accessories	48 904 780	4 087 175	5 108 091	4 431 736	3 951 700	4 846 453	4 299 682
-Other transport equipment	16 718 564	1 436 743	1 390 577	1 420 722	1 395 476	1 378 933	1 374 202
Furniture and other manufacturing division	55 680 257	4 609 817	4 710 274	4 745 259	4 518 944	4 620 307	4 675 714
-Furniture	11 262 810	920 558	1 050 116	1 026 868	909 180	1 003 804	1 013 075
-Other manufacturing groups	44 417 447	3 689 259	3 660 158	3 718 391	3 609 765	3 616 503	3 662 639
Total	1 180 115 947	99 412 537	107 254 910	105 165 751	96 290 043	104 075 921	102 286 299

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 2009	Actual values			Seasonally adjusted values		
		August 2009	1/ August 2010	Percentage change between August 2009 and August 2010	July 2010	August 2010	Percentage change between July and August 2010
Food and beverages	239 997 619	19 256 596	20 540 745	6,7	20 439 152	20 887 486	2,2
-Meat, fish, fruit, etc.	64 578 008	5 182 888	5 775 890	11,4	5 702 608	5 871 434	3,0
-Dairy products	20 927 661	1 718 071	1 870 143	8,9	1 919 486	1 923 100	0,2
-Grain mill products	44 238 183	3 549 359	3 416 388	-3,7	3 359 921	3 441 864	2,4
-Other food products	53 020 863	4 422 178	4 819 090	9,0	4 706 364	4 658 097	-1,0
-Beverages	57 232 904	4 384 100	4 659 234	6,3	4 750 772	4 992 990	5,1
Textiles, clothing, leather and footwear	39 358 324	3 206 895	3 021 511	-5,8	3 095 843	2 999 936	-3,1
-Textiles	6 020 147	478 440	471 711	-1,4	440 190	457 062	3,8
-Other textile products	9 944 381	809 935	730 985	-9,7	780 816	738 270	-5,4
-Knitted, crocheted articles	1 820 905	133 094	126 885	-4,7	147 233	133 926	-9,0
-Wearing apparel	14 398 708	1 181 243	1 053 149	-10,8	1 071 062	1 053 678	-1,6
-Leather and leather products	3 569 498	297 775	314 744	5,7	341 877	308 598	-9,7
-Footwear	3 604 685	306 408	324 037	5,8	314 665	308 403	-2,0
Wood and wood products, paper, publishing and printing	102 039 074	8 323 320	9 352 189	12,4	9 562 917	9 167 721	-4,1
-Sawmilling and planing of wood	6 411 740	573 488	617 804	7,7	577 200	579 052	0,3
-Products of wood	16 025 375	1 334 405	1 413 187	5,9	1 297 365	1 331 294	2,6
-Paper and paper products	46 059 169	3 612 144	4 400 474	21,8	4 365 137	4 410 583	1,0
-Publishing	14 886 400	1 220 053	1 180 220	-3,3	1 193 870	1 176 774	-1,4
-Printing, recorded media	18 656 390	1 583 230	1 740 504	9,9	2 129 344	1 670 017	-21,6
Petroleum, chemical products, rubber and plastic products	262 540 179	23 675 666	25 014 992	5,7	23 469 918	23 555 045	0,4
-Coke, petroleum products and nuclear fuel	89 965 147	9 547 123	9 503 664	-0,5	8 201 843	8 286 842	1,0
-Basic chemicals	56 237 245	4 518 179	4 976 504	10,1	5 101 180	4 884 340	-4,3
-Other chemical products	66 512 727	5 362 198	5 890 043	9,8	5 659 165	5 854 541	3,5
-Rubber products	11 347 042	908 661	1 054 119	16,0	1 025 687	1 034 071	0,8
-Plastic products	38 478 018	3 339 505	3 590 662	7,5	3 482 044	3 495 250	0,4
Glass and non-metallic mineral products	40 112 675	3 439 400	3 727 217	8,4	3 440 967	3 516 245	2,2
-Glass and glass products	6 691 796	545 379	596 904	9,4	561 902	589 474	4,9
-Non-metallic mineral products	33 420 879	2 894 021	3 130 313	8,2	2 879 066	2 926 770	1,7
Basic iron and steel, non-ferrous metal products, metal products and machinery	249 364 417	21 664 052	21 679 276	0,1	21 441 555	20 565 350	-4,1
-Basic iron and steel products	77 590 894	7 653 469	6 916 275	-9,6	6 900 791	6 224 018	-9,8
-Non-ferrous metal products	42 550 609	3 286 721	4 010 955	22,0	3 893 993	3 912 972	0,5
-Structural metal products	23 111 172	1 889 414	1 889 176	0,0	1 811 127	1 801 530	-0,5
-Other fabricated metal products	40 036 447	3 280 595	3 426 448	4,4	3 352 078	3 318 869	-1,0
-General purpose machinery	28 209 259	2 410 747	2 309 697	-4,2	2 271 150	2 197 401	-3,2
-Special purpose machinery	28 423 653	2 355 573	2 334 156	-0,9	2 385 998	2 320 739	-2,7
-Household appliances	9 442 383	787 533	792 569	0,6	826 418	789 821	-4,4
Electrical machinery	35 326 612	2 953 072	3 203 631	8,5	3 172 852	3 114 005	-1,9
Radio, television and communication apparatus and professional equipment	13 518 475	1 163 240	1 104 093	-5,1	1 134 037	1 063 222	-6,2
-Radio, television and communication apparatus	6 041 590	530 380	431 768	-18,6	428 949	414 972	-3,3
-Professional equipment	7 476 885	632 860	672 325	6,2	705 088	648 251	-8,1
Motor vehicles, parts and accessories and other transport equipment	142 178 315	11 120 479	12 776 838	14,9	13 698 373	12 741 576	-7,0
-Motor vehicles	69 665 442	5 017 558	6 246 488	24,5	6 841 098	6 439 104	-5,9
-Bodies for motor vehicles, trailers and semi-trailers	6 889 529	579 003	677 892	17,1	631 890	628 589	-0,5
-Parts and accessories	48 904 780	4 087 175	4 431 736	8,4	4 846 453	4 299 682	-11,3
-Other transport equipment	16 718 564	1 436 743	1 420 722	-1,1	1 378 933	1 374 202	-0,3
Furniture and other manufacturing division	55 680 257	4 609 817	4 745 259	2,9	4 620 307	4 675 714	1,2
-Furniture	11 262 810	920 558	1 026 868	11,5	1 003 804	1 013 075	0,9
-Other manufacturing groups	44 417 447	3 689 259	3 718 391	0,8	3 616 503	3 662 639	1,3
Total	1 180 115 947	99 412 537	105 165 751	5,8	104 075 921	102 286 299	-1,7

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 (R'000)		
		Jun to Aug 2009	Jun to Aug 2010	Annual percentage change between Jun to Aug 2009 and Jun to Aug 2010	Jun to Aug 2009	Jun to Aug 2010	Annual percentage change between Jun to Aug 2009 and Jun to Aug 2010
Food and beverages	15,4	111,5	115,5	3,6	58 187 510	61 091 177	5,0
-Meat, fish, fruit, etc.	1,8	105,7	115,6	9,4	15 728 406	17 098 566	8,7
-Dairy products	0,8	103,2	107,7	4,4	4 943 115	5 395 772	9,2
-Grain mill products	0,8	109,7	113,5	3,5	11 137 428	10 495 535	-5,8
-Other food products	5,2	125,2	133,6	6,7	13 215 540	14 381 944	8,8
-Beverages	6,8	103,7	102,8	-0,9	13 163 021	13 719 360	4,2
Textiles, clothing, leather and footwear	4,9	89,0	83,9	-5,7	9 855 571	9 271 831	-5,9
-Textiles	0,7	71,3	67,7	-5,0	1 550 190	1 423 817	-8,2
-Other textile products	0,9	79,1	71,7	-9,4	2 493 811	2 301 719	-7,7
-Knitted, crocheted articles	0,2	104,1	98,0	-5,9	448 916	426 208	-5,1
-Wearing apparel	2,1	94,4	85,5	-9,4	3 578 583	3 188 458	-10,9
-Leather and leather products	0,6	86,3	92,9	7,6	902 771	1 005 638	11,4
-Footwear	0,4	109,0	109,5	0,5	881 300	925 991	5,1
Wood and wood products, paper, publishing and printing	10,2	90,4	99,9	10,5	25 356 689	28 154 116	11,0
-Sawmilling and planing of wood	0,7	75,4	87,2	15,6	1 690 570	1 798 793	6,4
-Products of wood	1,3	87,6	90,9	3,8	4 029 332	4 019 089	-0,3
-Paper and paper products	3,8	101,2	118,1	16,7	11 374 022	13 381 559	17,7
-Publishing	1,9	84,4	79,2	-6,2	3 672 702	3 543 240	-3,5
-Printing, recorded media	2,5	84,0	95,6	13,8	4 590 063	5 411 435	17,9
Petroleum, chemical products, rubber and plastic products	22,1	105,4	119,0	12,9	67 426 617	74 748 310	10,9
-Coke, petroleum products and nuclear fuel	8,5	95,5	105,9	10,9	25 237 756	28 020 405	11,0
-Basic chemicals	4,5	109,0	138,1	26,7	13 251 207	15 567 110	17,5
-Other chemical products	5,3	108,3	117,1	8,1	16 366 052	17 426 888	6,5
-Rubber products	1,0	77,3	88,7	14,7	2 856 563	3 155 315	10,5
-Plastic products	2,7	135,0	143,4	6,2	9 715 039	10 578 592	8,9
Glass and non-metallic mineral products	4,8	100,1	100,6	0,5	10 309 922	10 875 620	5,5
-Glass and glass products	1,0	120,6	119,7	-0,7	1 616 175	1 697 091	5,0
-Non-metallic mineral products	3,8	95,0	95,8	0,8	8 693 747	9 178 529	5,6
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	87,0	91,2	4,8	62 736 531	68 052 185	8,5
-Basic iron and steel products	7,7	75,5	80,9	7,2	20 344 290	23 427 808	15,2
-Non-ferrous metal products	3,4	96,9	100,1	3,3	10 107 369	11 872 440	17,5
-Structural metal products	2,0	100,8	97,4	-3,4	5 919 983	5 714 293	-3,5
-Other fabricated metal products	3,8	104,5	112,3	7,5	10 265 182	10 550 803	2,8
-General purpose machinery	2,4	72,7	71,2	-2,1	6 998 621	7 088 061	1,3
-Special purpose machinery	3,1	83,3	90,8	9,0	6 708 530	6 964 561	3,8
-Household appliances	0,6	97,6	100,6	3,1	2 392 556	2 434 219	1,7
Electrical machinery	2,5	122,1	131,5	7,7	8 969 747	9 811 179	9,4
Radio, television and communication apparatus and professional equipment	1,1	102,9	97,1	-5,6	3 560 609	3 300 736	-7,3
-Radio, television and communication apparatus	0,4	101,0	88,9	-12,0	1 540 721	1 304 957	-15,3
-Professional equipment	0,7	104,2	102,3	-1,8	2 019 888	1 995 779	-1,2
Motor vehicles, parts and accessories and other transport equipment	10,9	82,6	97,0	17,4	34 476 971	40 363 710	17,1
-Motor vehicles	4,9	64,9	84,8	30,7	15 994 691	19 882 753	24,3
-Bodies for motor vehicles, trailers and semi-trailers	0,5	105,1	127,6	21,4	1 793 380	2 072 596	15,6
-Parts and accessories	4,7	88,7	101,5	14,4	12 258 648	14 204 487	15,9
-Other transport equipment	0,9	132,9	123,1	-7,4	4 430 252	4 203 874	-5,1
Furniture and other manufacturing division	5,2	94,3	91,9	-2,5	13 791 570	14 555 977	5,5
-Furniture	1,3	88,8	95,3	7,3	2 811 857	3 075 898	9,4
-Other manufacturing groups	3,9	96,1	90,8	-5,5	10 979 713	11 480 079	4,6
Total	100,0	96,8	103,8	7,2	294 671 737	320 224 841	8,7

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 Aug. 2009	Jan. to Aug. 2010	Annual percentage change between 2009 and 2010	Contribution (percentage points)	Jan. to Aug. 2009	Jan. to Aug. 2010	Annual percentage change between 2009 and 2010	Difference in sales between 2009 and 2010
Food and beverages	15,4	105,6	109,3	3,5	0,6	151 995	155 993	2,6	3 998
-Meat, fish, fruit, etc.	1,8	105,0	111,7	6,4	0,1	41 218	43 223	4,9	2 005
-Dairy products	0,8	104,4	105,4	1,0	0,0	13 297	13 869	4,3	572
-Grain mill products	0,8	106,1	108,3	2,1	0,0	29 311	27 038	-7,8	-2 273
-Other food products	5,2	106,5	111,0	4,2	0,3	33 715	35 055	4,0	1 340
-Beverages	6,8	105,2	108,0	2,7	0,2	34 454	36 806	6,8	2 352
Textiles, clothing, leather and footwear	4,9	88,6	82,8	-6,5	-0,3	25 952	24 507	-5,6	-1 445
-Textiles	0,7	77,2	68,0	-11,9	-0,1	4 186	3 712	-11,3	-474
-Other textile products	0,9	77,5	72,6	-6,3	0,0	6 575	6 256	-4,9	-319
-Knitted, crocheted articles	0,2	107,8	108,0	0,2	0,0	1 253	1 247	-0,5	-6
-Wearing apparel	2,1	95,4	83,9	-12,1	-0,3	9 493	8 333	-12,2	-1 160
-Leather and leather products	0,6	80,7	90,7	12,4	0,1	2 283	2 679	17,3	396
-Footwear	0,4	100,6	102,1	1,5	0,0	2 162	2 279	5,4	117
Wood and wood products, paper, publishing and printing	10,2	90,9	93,6	3,0	0,3	66 808	69 824	4,5	3 016
-Sawmilling and planing of wood	0,7	73,7	83,9	13,8	0,1	4 211	4 672	10,9	461
-Products of wood	1,3	87,8	84,9	-3,3	0,0	10 600	10 095	-4,8	-505
-Paper and paper products	3,8	102,2	110,4	8,0	0,3	30 110	32 702	8,6	2 592
-Publishing	1,9	87,8	78,9	-10,1	-0,2	9 933	9 370	-5,7	-563
-Printing, recorded media	2,5	82,5	85,9	4,1	0,1	11 955	12 985	8,6	1 030
Petroleum, chemical products, rubber and plastic products	22,1	102,4	111,0	8,4	2,0	170 266	183 163	7,6	12 897
-Coke, petroleum products and nuclear fuel	8,5	94,6	95,2	0,6	0,1	58 678	65 333	11,3	6 655
-Basic chemicals	4,5	104,0	124,9	20,1	1,0	36 881	38 171	3,5	1 290
-Other chemical products	5,3	106,7	114,2	7,0	0,4	42 724	44 383	3,9	1 659
-Rubber products	1,0	77,7	85,4	9,9	0,1	7 507	8 072	7,5	565
-Plastic products	2,7	124,7	140,3	12,5	0,5	24 477	27 204	11,1	2 727
Glass and non-metallic mineral products	4,8	95,2	92,1	-3,3	-0,2	26 045	26 458	1,6	413
-Glass and glass products	1,0	115,9	113,5	-2,1	0,0	4 071	4 165	2,3	94
-Non-metallic mineral products	3,8	90,1	86,7	-3,8	-0,1	21 974	22 292	1,4	318
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	83,1	90,0	8,3	1,7	163 249	176 234	8,0	12 985
-Basic iron and steel products	7,7	64,3	83,9	30,5	1,6	50 080	61 512	22,8	11 432
-Non-ferrous metal products	3,4	94,3	98,0	3,9	0,1	27 658	30 438	10,1	2 780
-Structural metal products	2,0	98,6	91,1	-7,6	-0,2	15 728	14 338	-8,8	-1 390
-Other fabricated metal products	3,8	105,7	105,1	-0,6	0,0	26 609	26 651	0,2	42
-General purpose machinery	2,4	71,6	68,1	-4,9	-0,1	18 349	17 782	-3,1	-567
-Special purpose machinery	3,1	85,8	92,5	7,8	0,2	18 507	19 218	3,8	711
-Household appliances	0,6	97,9	96,8	-1,1	0,0	6 319	6 295	-0,4	-24
-Electrical machinery	2,5	120,3	125,7	4,5	0,1	23 436	24 786	5,8	1 350
Radio, television and communication apparatus and professional equipment	1,1	96,6	91,4	-5,4	-0,1	8 879	8 438	-5,0	-441
-Radio, television and communication apparatus	0,4	99,5	87,5	-12,1	-0,1	3 907	3 464	-11,3	-443
-Professional equipment	0,7	94,8	93,9	-0,9	0,0	4 971	4 974	0,1	3
Motor vehicles, parts and accessories and other transport equipment	10,9	75,8	94,4	24,5	2,2	91 493	106 224	16,1	14 731
-Motor vehicles	4,9	64,3	82,0	27,5	0,9	44 315	53 460	20,6	9 145
-Bodies for motor vehicles, trailers and semi-trailers	0,5	101,7	117,1	15,1	0,1	4 511	4 920	9,1	409
-Parts and accessories	4,7	75,4	101,1	34,1	1,3	31 479	37 483	19,1	6 004
-Other transport equipment	0,9	125,2	114,6	-8,5	-0,1	11 187	10 360	-7,4	-827
Furniture and other manufacturing division	5,2	90,9	90,9	0,0	0,0	35 308	36 971	4,7	1 663
-Furniture	1,3	84,1	86,7	3,1	0,0	7 056	7 418	5,1	362
-Other manufacturing groups	3,9	93,2	92,4	-0,9	0,0	28 252	29 552	4,6	1 300
Total	100,0	93,2	99,2	6,4	6,4	763 430	812 596	6,4	49 166

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 August 2010 was 90,6%. Improved response rate for July 2010 was 93,5%.
- 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 3 027 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 3 027 enterprises, which was drawn in April 2010 from a population then of 53 562 manufacturing enterprises. Each manufacturing major group is divided into four size groups. The sample is drawn at the SIC three-digit level. All large enterprises (size group one), are completely enumerated. Simple random sampling is applied for size group two (medium sized) enterprises, and for size groups three and four (small) enterprises. The total value of sales of manufactured products of large enterprises (size group one) in a major group is added to the weighted totals of size groups two, three and four of that major group to reflect the total value of sales of the major group.
- 13 The calculation of the monthly production indices is based on the value of sales of products and articles manufactured and change in monthly value of stocks of manufactured products, after the effect of price changes has been eliminated through deflation using appropriate indices of the Production Price Index (PPI). For 38 of the 44 major groups in manufacturing, the value of production is calculated from the value of sales and stocks of manufactured products obtained from the monthly survey of manufacturing enterprises.
- 14 More direct indicators are used for the value of production of tobacco, coke and refined petroleum products, basic iron and steel products, basic precious and non-ferrous metal products, motor vehicles and parts and accessories for motor vehicles. The volume indices for these major groups are calculated on the basis of physical quantities. This method is used by the national statistical agencies of many other countries for petroleum products as the results are considered more satisfactory (mainly because these commodities are relatively homogeneous).

Weighting methodology

- 15 For those strata not completely enumerated, the weights to produce estimates are the inverse ratio of the sampling fraction, modified to take account of non-response in the survey. Stratum estimates are calculated and then aggregated with the completely enumerated stratum to form major group and division estimates. These procedures, which are in line with international best practice, are described in more detail on the Stats SA website at www.statssa.gov.za/publications/publicationsearch.asp.
- 16 For indices, a weight is calculated for every major group according to the value added of the major group relative to the total value added of the manufacturing industry as a whole, based on the results of the most recent census of manufacturing or large sample survey of the manufacturing industry. For the period 1998 to 2000, the weights are based on the 1996 Census of Manufacturing. For the period 2001 to 2004, the weights are based on the 2001 large sample survey of the manufacturing industry (LSS) and for the period 2005 to 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
- 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

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

Turnover excludes -

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

Weight

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

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

General information

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

Stats SA has copyright on this publication. Users may apply the information as they wish, provided that they acknowledge Stats SA as the source of the basic data wherever they process, apply, utilise, publish or distribute the data; and also that they specify that the relevant application and analysis (where applicable) result from their own processing of the data.

Advance release calendar

An advance release calendar is disseminated on www.statssa.gov.za

Stats SA products

A complete set of Stats SA publications is available at the Stats SA Library and the following libraries:

National Library of South Africa, Pretoria Division
National Library of South Africa, Cape Town Division
Natal Society Library, Pietermaritzburg
Library of Parliament, Cape Town
Bloemfontein Public Library
Johannesburg Public Library
Eastern Cape Library Services, King William's Town
Central Regional Library, Polokwane
Central Reference Library, Nelspruit
Central Reference Collection, Kimberley
Central Reference Library, Mmabatho

Stats SA also provides a subscription service.

Electronic services

A large range of data are available via online services, diskette and computer printouts. For more details about our electronic data services, contact (012) 310 8600/8390/8351/4892/8496/8095.

You can visit us on the Internet at: www.statssa.gov.za

Enquiries

Telephone number: (012) 310 8249 (technical enquiries)
(012) 310 8358 (orders)
(012) 310 4883/4885/8018 (library)

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

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

Postal address: Private Bag X44, Pretoria, 0001

Produced by Stats SA