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Statistical release

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Manufacturing: Production and sales (Preliminary)

April 2016

The results in the next publication (May 2016) will be updated with weights based on national accounts value added data for 2013. Currently, the manufacturing divisions and total manufacturing production indices are calculated using weights based on national accounts value added data for 2012.

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Production: results for April 2016

Table A – Key growth rates in the volume of manufacturing production

	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16
Year-on-year % change, unadjusted	-1,2	0,5	-2,5	2,3	-2,4	2,9
Month-on-month % change, seasonally adjusted	-1,3	2,0	-1,8	1,8	-0,6	0,8
3-month % change, seasonally adjusted ¹	0,8	-0,5	-1,1	-0,1	0,1	1,1

¹ Percentage change between the previous 3 months and the 3 months ending in the month indicated.

Manufacturing production increased by 2,9% in April 2016 compared with April 2015. This increase was mainly due to higher production in the following divisions:

- petroleum, chemical products, rubber and plastic products (8,1% and contributing 1,8 percentage points);
- motor vehicles, parts and accessories and other transport equipment (10,2% and contributing 0,8 of a percentage point); and
- wood and wood products, paper, publishing and printing (3,4% and contributing 0,4 of a percentage point) – see Tables 5 and 6.

Seasonally adjusted manufacturing production increased by 0,8% in April 2016 compared with March 2016. This followed month-on-month changes of -0,6% in March 2016 and 1,8% in February 2016 – see Table A.

Seasonally adjusted manufacturing production increased by 1,1% in the three months ended April 2016 compared with the previous three months. Seven of the ten manufacturing divisions reported positive growth rates over this period.

The largest contributions to the 1,1% increase were made by the following divisions:

- motor vehicles, parts and accessories and other transport equipment (7,1% and contributing 0,5 of a percentage point);
- wood and wood products, paper, publishing and printing (2,2% and contributing 0,3 of a percentage point); and
- basic iron and steel, non-ferrous metal products, metal products and machinery (1,7% and contributing 0,3 of a percentage point) – see Table B.

Table B – Seasonally adjusted manufacturing production for the latest three months by division and major group (Base: 2010=100)

Manufacturing division and major group	Weight (2012)	Nov 2015 – Jan 2016	Feb – Apr 2016	% change between Nov 2015 – Jan 2016 and Feb – Apr 2016	Contribution (% points) to the total % change
Food and beverages	24,44	112,5	112,8	0,3	0,1
Meat, fish, fruit, etc.	5,39	121,5	115,4	-5,0	-0,3
Dairy products	1,78	116,9	118,4	1,3	0,0
Grain mill products	2,86	105,9	106,6	0,7	0,0
Other food products	7,73	104,9	105,9	1,0	0,1
Beverages	6,68	115,6	119,6	3,5	0,3
Textiles, clothing, leather and footwear	3,17	94,5	93,4	-1,2	0,0
Textiles	0,74	85,2	87,4	2,6	0,0
Other textile products	0,47	88,4	92,2	4,3	0,0
Knitted, crocheted articles	0,10	52,6	54,4	3,4	0,0
Wearing apparel	1,19	98,0	93,9	-4,2	0,0
Leather and leather products	0,28	117,0	115,5	-1,3	0,0
Footwear	0,39	103,1	98,5	-4,5	0,0
Wood and wood products, paper, publishing and printing	12,65	105,0	107,3	2,2	0,3
Sawmilling and planing of wood	1,83	125,4	133,7	6,6	0,1
Products of wood	2,55	104,3	109,9	5,4	0,1
Paper and paper products	4,89	107,2	105,9	-1,2	-0,1
Publishing	1,51	92,8	92,9	0,1	0,0
Printing, recorded media	1,87	89,9	93,0	3,4	0,1
Petroleum, chemical products, rubber and plastic products	22,13	110,4	111,4	0,9	0,2
Coke, petroleum products and nuclear fuel	7,77	103,7	109,3	5,4	0,4
Basic chemicals	3,81	113,5	112,4	-1,0	0,0
Other chemical products	6,49	120,8	119,4	-1,2	-0,1
Rubber products	1,00	103,3	95,9	-7,2	-0,1
Plastic products	3,06	104,3	103,1	-1,2	0,0
Glass and non-metallic mineral products	3,91	95,4	95,8	0,4	0,0
Glass and glass products	0,78	94,4	93,9	-0,5	0,0
Non-metallic mineral products	3,13	95,6	96,2	0,6	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,59	97,4	99,1	1,7	0,3
Basic iron and steel products	3,38	86,2	92,1	6,8	0,2
Non-ferrous metal products	3,18	92,6	96,5	4,2	0,1
Structural metal products	1,89	79,0	76,9	-2,7	0,0
Other fabricated metal products	4,40	117,3	122,2	4,2	0,2
General purpose machinery	2,44	77,8	77,3	-0,6	0,0
Special purpose machinery	3,44	109,4	107,6	-1,6	-0,1
Household appliances	0,86	104,9	94,5	-9,9	-0,1
Electrical machinery	1,70	114,3	113,0	-1,1	0,0
Radio, television and communication apparatus and professional equipment	1,41	147,8	136,3	-7,8	-0,2
Radio, television and communication	0,90	169,6	153,4	-9,6	-0,1
Professional equipment	0,51	108,9	105,7	-2,9	0,0
Motor vehicles, parts and accessories and other transport equipment	7,39	106,1	113,6	7,1	0,5
Motor vehicles	2,98	119,3	137,8	15,5	0,5
Bodies for motor vehicles, trailers and semi-	0,43	114,3	105,2	-8,0	0,0
Parts and accessories	2,77	92,8	95,3	2,7	0,1
Other transport equipment	1,21	100,8	98,9	-1,9	0,0
Furniture and other manufacturing	3,61	85,2	85,8	0,7	0,0
Furniture	1,08	103,8	96,0	-7,5	-0,1
Other manufacturing groups	2,53	77,3	81,4	5,3	0,1
Total	100	106,0	107,2	1,1	1,1

Figure 1 – Volume of manufacturing production (Base: 2010=100)

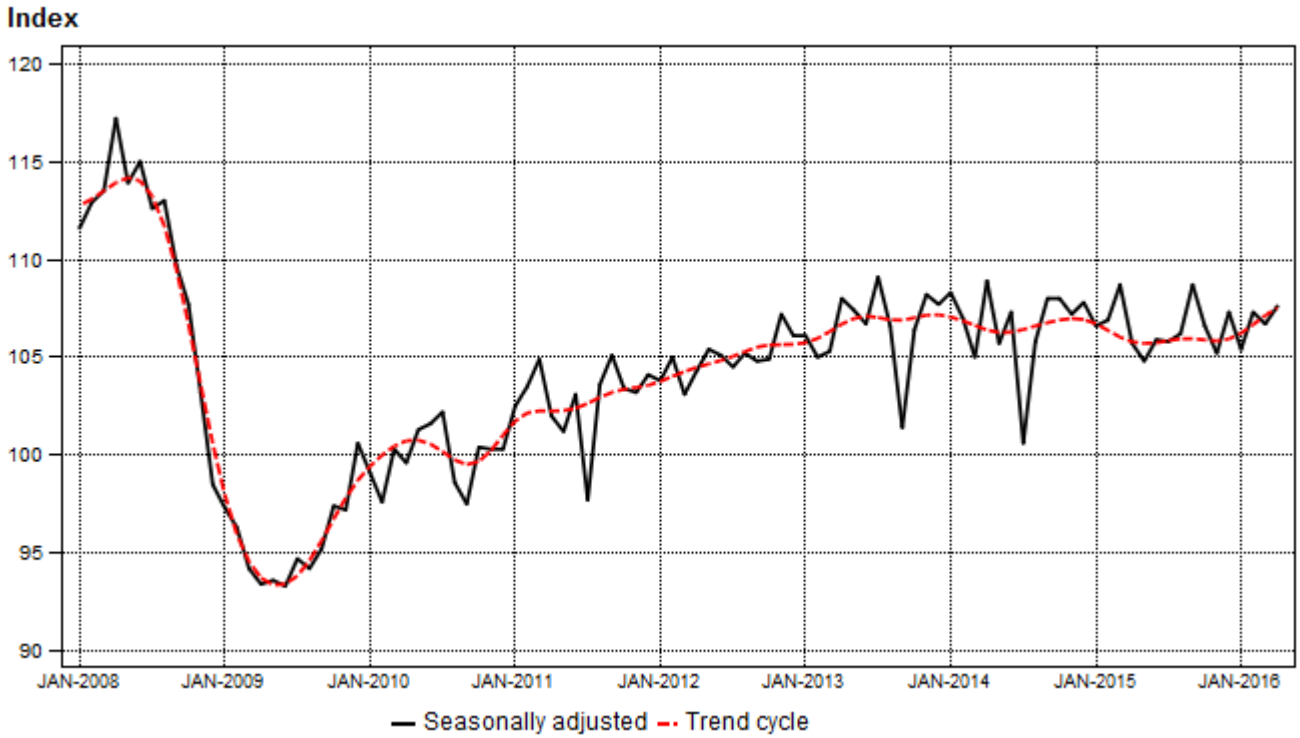
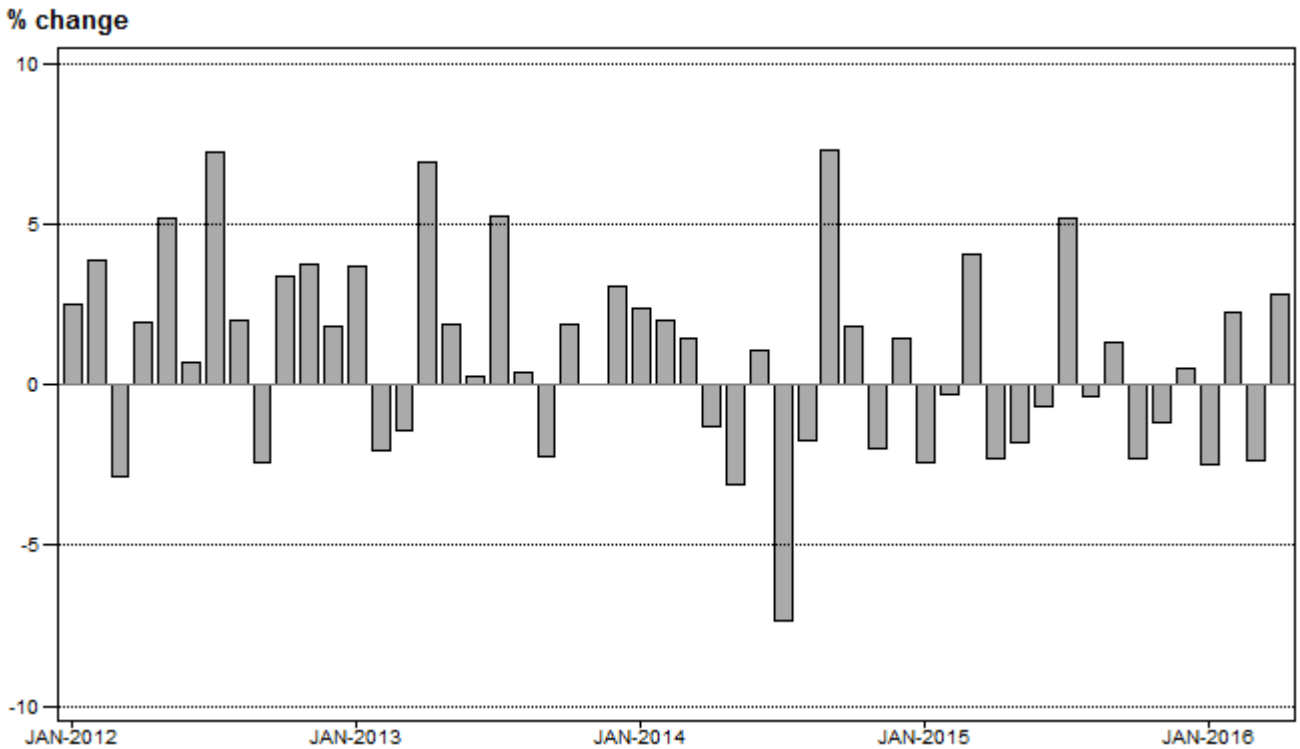


Figure 2 – Volume of manufacturing production (Base: 2010=100): year-on-year percentage change



Sales: results for April 2016

Table C – Key growth rates in manufacturing sales at current prices

	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16
Year-on-year % change, unadjusted	1,8	1,8	2,8	8,2	1,3	8,4
Month-on-month % change, seasonally adjusted	-1,4	-0,1	1,0	1,1	0,5	0,5
3-month % change, seasonally adjusted ¹	1,5	0,2	-0,5	-0,1	1,3	2,2

¹ Percentage change between the previous 3 months and the 3 months ending in the month indicated.

Seasonally adjusted manufacturing sales increased by 0,5% in April 2016 compared with March 2016. This followed month-on-month changes of 0,5% in March 2016 and 1,1% in February 2016 – see Table C.

Table D – Seasonally adjusted manufacturing sales at current prices for the latest three months by division

Manufacturing division	Nov 2015 – Jan 2016 (R million)	Feb – Apr 2016 (R million)	% change between Nov 2015 – Jan 2016 and Feb – Apr 2016	Contribution (% points) to the total % change
Food and beverages	110 673	112 327	1,5	0,4
Textiles, clothing, leather and footwear	12 872	12 904	0,2	0,0
Wood and wood products, paper, publishing and printing	36 951	37 065	0,3	0,0
Petroleum, chemical products, rubber and plastic products	105 987	104 750	-1,2	-0,3
Glass and non-metallic mineral products	13 838	13 755	-0,6	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	95 267	99 634	4,6	0,9
Electrical machinery	15 238	15 464	1,5	0,0
Radio, television and communication apparatus and professional equipment	5 676	5 207	-8,3	-0,1
Motor vehicles, parts and accessories and other transport equipment	59 302	65 661	10,7	1,3
Furniture and other manufacturing	14 923	14 337	-3,9	-0,1
Total	470 730	481 104	2,2	2,2

**PJ Lehohla
Statistician-General**

Tables

Table 1 – Index of the volume of manufacturing production (Base: 2010=100)

Month	2010	2011	2012	2013	2014	2015	2016 ¹
Jan	84,5	86,7	88,9	92,2	94,4	92,1	89,8
Feb	92,2	98,4	102,2	100,1	102,1	101,8	104,1
Mar	103,8	109,3	106,2	104,7	106,2	110,5	107,9
Apr	93,4	93,4	95,2	101,8	100,5	98,2	101,0
May	100,6	101,6	106,9	108,9	105,5	103,6	
Jun	102,9	104,2	104,9	105,2	106,3	105,6	
Jul	105,3	98,9	106,1	111,7	103,5	108,9	
Aug	101,6	107,8	110,0	110,4	108,5	108,1	
Sep	102,2	110,4	107,7	105,3	113,0	114,5	
Oct	110,3	112,9	116,7	118,9	121,1	118,3	
Nov	112,2	116,6	121,0	121,0	118,6	117,2	
Dec	91,0	93,5	95,2	98,1	99,5	100,0	
Total	100,0	102,8	105,1	106,5	106,6	106,6	

¹ The latest three months are preliminary.

Table 2 – Year-on-year percentage change in the volume of manufacturing production

Month	2011	2012	2013	2014	2015	2016	2016 year-to-date
Jan	2,6	2,5	3,7	2,4	-2,4	-2,5	-2,5
Feb	6,7	3,9	-2,1	2,0	-0,3	2,3	0,0
Mar	5,3	-2,8	-1,4	1,4	4,0	-2,4	-0,9
Apr	0,0	1,9	6,9	-1,3	-2,3	2,9	0,0
May	1,0	5,2	1,9	-3,1	-1,8		
Jun	1,3	0,7	0,3	1,0	-0,7		
Jul	-6,1	7,3	5,3	-7,3	5,2		
Aug	6,1	2,0	0,4	-1,7	-0,4		
Sep	8,0	-2,4	-2,2	7,3	1,3		
Oct	2,4	3,4	1,9	1,9	-2,3		
Nov	3,9	3,8	0,0	-2,0	-1,2		
Dec	2,7	1,8	3,0	1,4	0,5		
Total	2,8	2,2	1,3	0,1	0,0		

Table 3 – Seasonally adjusted volume of manufacturing production

Month	Index (Base: 2010=100)				Month-on-month % change			
	2013	2014	2015	2016	2013	2014	2015	2016
Jan	106,1	108,3	106,6	105,4	0,0	0,6	-1,1	-1,8
Feb	105,0	107,0	106,9	107,3	-1,0	-1,2	0,3	1,8
Mar	105,3	105,0	108,7	106,7	0,3	-1,9	1,7	-0,6
Apr	108,0	108,9	105,7	107,6	2,6	3,7	-2,8	0,8
May	107,4	105,7	104,8		-0,6	-2,9	-0,9	
Jun	106,7	107,3	105,9		-0,7	1,5	1,0	
Jul	109,1	100,6	105,8		2,2	-6,2	-0,1	
Aug	106,6	105,8	106,2		-2,3	5,2	0,4	
Sep	101,4	108,0	108,7		-4,9	2,1	2,4	
Oct	106,4	108,0	106,6		4,9	0,0	-1,9	
Nov	108,2	107,2	105,2		1,7	-0,7	-1,3	
Dec	107,7	107,8	107,3		-0,5	0,6	2,0	

Table 4 – Index of the volume of manufacturing production by division and major group (Base: 2010=100)

Manufacturing division and major group	Weight (2012)	Nov-15	Dec-15	Jan-16	¹ Feb-16	¹ Mar-16	¹ Apr-16
Food and beverages	24,44	120,2	131,5	93,3	104,7	109,3	104,4
Meat, fish, fruit, etc.	5,39	132,4	134,2	98,1	105,2	122,8	113,6
Dairy products	1,78	123,5	135,6	112,0	115,9	123,0	111,5
Grain mill products	2,86	109,9	109,1	96,8	99,9	108,3	101,1
Other food products	7,73	100,6	106,0	76,7	96,0	91,4	98,2
Beverages	6,68	136,7	167,2	102,0	113,6	116,0	103,8
Textiles, clothing, leather and footwear	3,17	112,8	73,1	69,3	97,4	94,7	94,1
Textiles	0,74	95,4	56,0	67,6	95,6	95,6	89,6
Other textile products	0,47	103,7	64,3	69,9	96,6	89,5	97,1
Knitted, crocheted articles	0,10	60,5	33,3	42,7	56,7	57,6	60,9
Wearing apparel	1,19	125,4	83,4	62,4	99,1	91,7	90,2
Leather and leather products	0,28	124,9	106,4	107,4	116,3	113,8	122,7
Footwear	0,39	122,2	71,0	72,1	93,0	103,5	98,4
Wood and wood products, paper, publishing and printing	12,65	117,9	95,3	91,8	104,0	110,4	96,0
Sawmilling and planing of wood	1,83	130,3	105,9	107,2	138,2	143,2	129,0
Products of wood	2,55	116,5	80,2	86,5	108,3	110,7	105,6
Paper and paper products	4,89	113,4	105,0	101,4	99,0	113,1	91,8
Publishing	1,51	113,9	97,5	74,9	86,5	89,0	79,0
Printing, recorded media	1,87	122,8	78,5	72,3	91,8	88,1	75,1
Petroleum, chemical products, rubber and plastic products	22,13	120,9	107,0	102,9	107,7	112,7	105,4
Coke, petroleum products and nuclear fuel	7,77	109,9	109,6	107,3	97,2	113,1	107,1
Basic chemicals	3,81	128,6	111,7	107,6	110,0	112,6	100,4
Other chemical products	6,49	128,9	116,4	103,6	120,0	120,8	112,4
Rubber products	1,00	113,5	69,8	90,7	100,4	101,3	99,3
Plastic products	3,06	124,9	86,8	88,2	108,0	98,3	94,4
Glass and non-metallic mineral products	3,91	111,2	72,1	76,9	89,2	92,7	93,7
Glass and glass products	0,78	112,2	88,0	83,1	86,2	86,9	82,2
Non-metallic mineral products	3,13	111,0	68,1	75,3	89,9	94,2	96,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,59	104,4	82,0	81,1	100,2	105,1	95,3
Basic iron and steel products	3,38	80,5	80,2	85,4	92,3	94,7	96,3
Non-ferrous metal products	3,18	92,0	81,8	89,8	97,7	98,8	93,5
Structural metal products	1,89	87,0	62,5	64,9	84,9	79,4	69,1
Other fabricated metal products	4,40	132,8	83,9	93,4	125,1	125,6	115,0
General purpose machinery	2,44	89,2	68,5	59,4	72,1	79,0	73,6
Special purpose machinery	3,44	120,0	101,4	76,4	106,5	128,7	101,9
Household appliances	0,86	118,7	82,8	84,9	101,3	99,8	90,1
Electrical machinery	1,70	129,5	91,6	85,7	109,1	124,8	105,1
Radio, television and communication apparatus and professional equipment	1,41	178,9	142,2	112,8	138,9	135,5	116,4
Radio, television and communication apparatus	0,90	213,9	165,3	128,0	155,4	142,8	129,0
Professional equipment	0,51	116,5	101,1	85,8	109,5	122,6	94,0
Motor vehicles, parts and accessories and other transport equipment	7,39	126,3	64,7	84,3	108,6	115,1	115,1
Motor vehicles	2,98	153,2	56,5	88,5	123,0	136,1	145,0
Bodies for motor vehicles, trailers and semi-trailers	0,43	137,9	66,8	85,4	112,5	97,8	104,9
Parts and accessories	2,77	105,9	51,9	81,4	100,2	96,1	98,8
Other transport equipment	1,21	102,5	113,1	80,1	91,0	113,1	82,4
Furniture and other manufacturing	3,61	104,3	70,4	61,2	96,0	70,2	77,6
Furniture	1,08	140,2	90,0	63,1	89,7	82,8	88,0
Other manufacturing groups	2,53	88,9	62,0	60,4	98,7	64,7	73,1
Total	100	117,2	100,0	89,8	104,1	107,9	101,0

¹ The latest three months are preliminary.

Table 5 – Year-on-year percentage change in the volume of manufacturing production by division and major group (Base: 2010=100)

Manufacturing division and major group	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16
Food and beverages	1,8	4,2	-2,2	3,2	-1,1	0,0
Meat, fish, fruit, etc.	9,3	3,8	0,1	-1,8	-4,3	-1,8
Dairy products	5,6	8,1	-5,6	17,9	11,0	2,2
Grain mill products	2,0	5,5	2,3	7,3	-0,6	3,2
Other food products	-10,3	1,0	5,2	4,6	-3,0	-3,3
Beverages	7,3	5,8	-10,3	0,8	0,3	3,5
Textiles, clothing, leather and footwear	-4,0	-4,1	-2,4	-1,7	-9,5	0,9
Textiles	-1,3	0,0	5,8	3,6	-1,8	4,9
Other textile products	-8,0	-14,4	-11,7	-2,3	-5,7	12,6
Knitted, crocheted articles	-9,8	-8,8	7,3	7,4	-4,3	13,2
Wearing apparel	-2,6	-2,6	-5,2	1,0	-17,1	-7,2
Leather and leather products	-8,2	-8,5	0,0	-9,5	-12,1	0,7
Footwear	-3,9	3,0	-0,1	-12,3	-1,1	4,3
Wood and wood products, paper, publishing and printing	-2,1	-2,2	4,9	7,1	4,5	3,4
Sawmilling and planing of wood	3,9	14,5	-1,6	7,0	6,0	9,0
Products of wood	-1,9	9,6	5,5	12,2	1,6	6,0
Paper and paper products	-1,7	-5,1	13,5	6,8	10,9	0,9
Publishing	-8,9	-12,3	-2,7	-0,9	-5,3	-0,3
Printing, recorded media	-3,2	-12,1	-6,8	7,1	-3,0	1,2
Petroleum, chemical products, rubber and plastic products	-0,7	2,6	0,3	5,3	2,0	8,1
Coke, petroleum products and nuclear fuel	1,1	-2,8	-4,1	1,1	13,6	20,3
Basic chemicals	-6,3	-0,5	6,0	13,2	-4,4	-0,3
Other chemical products	0,2	11,4	0,9	4,1	-0,2	7,6
Rubber products	-4,6	3,9	0,1	-1,8	-12,1	3,4
Plastic products	2,3	3,2	5,1	11,6	-6,4	-6,1
Glass and non-metallic mineral products	2,3	-1,1	2,3	-3,6	-4,6	-0,7
Glass and glass products	7,4	0,9	4,8	-1,5	4,2	0,4
Non-metallic mineral products	1,1	-1,7	1,5	-4,1	-6,4	-1,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	-7,1	-6,1	-9,3	-2,7	-8,0	-2,1
Basic iron and steel products	-17,9	-7,2	-19,1	-5,7	-6,7	0,2
Non-ferrous metal products	-8,6	-9,1	-4,7	4,8	-3,8	-7,3
Structural metal products	-6,5	0,5	6,4	-2,2	-12,2	-5,3
Other fabricated metal products	-2,7	-7,6	-2,2	1,3	-6,1	1,7
General purpose machinery	-6,8	-12,3	-11,5	-13,0	-7,5	-5,5
Special purpose machinery	-3,1	-1,4	-11,7	-4,5	-9,6	2,0
Household appliances	-11,3	1,0	-26,2	-11,4	-23,2	-15,5
Electrical machinery	13,3	12,0	8,6	8,7	8,1	17,0
Radio, television and communication apparatus and professional equipment	1,8	12,7	39,1	18,1	4,7	10,4
Radio, television and communication apparatus	1,1	14,6	49,9	24,2	10,3	15,8
Professional equipment	4,2	7,8	17,1	5,2	-5,2	-0,7
Motor vehicles, parts and accessories and other transport equipment	4,0	-5,8	-11,6	-3,0	-6,7	10,2
Motor vehicles	-0,2	-18,4	-25,6	-10,3	-6,0	15,7
Bodies for motor vehicles, trailers and semi-trailers	11,2	2,6	7,8	-0,9	-24,0	-13,0
Parts and accessories	7,7	-1,7	0,5	8,2	-5,2	9,1
Other transport equipment	7,7	7,7	4,8	-3,3	-5,2	4,6
Furniture and other manufacturing	-10,2	-3,8	-19,0	-0,6	-21,9	-2,9
Furniture	0,8	-3,9	-12,7	-12,9	-17,4	-10,6
Other manufacturing groups	-16,4	-3,7	-21,7	5,0	-24,3	1,5
Total	-1,2	0,5	-2,5	2,3	-2,4	2,9

Table 6 – Contribution of each division and major group to the year-on-year percentage change in the volume of manufacturing production (percentage points)

Manufacturing division and major group	Weight (2012)	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16
Food and beverages	24,44	0,4	1,3	-0,6	0,8	-0,3	0,0
Meat, fish, fruit, etc.	5,39	0,5	0,3	0,0	-0,1	-0,3	-0,1
Dairy products	1,78	0,1	0,2	-0,1	0,3	0,2	0,0
Grain mill products	2,86	0,1	0,2	0,1	0,2	0,0	0,1
Other food products	7,73	-0,8	0,1	0,3	0,3	-0,2	-0,3
Beverages	6,68	0,5	0,6	-0,8	0,1	0,0	0,2
Textiles, clothing, leather and footwear	3,17	-0,1	-0,1	-0,1	-0,1	-0,3	0,0
Textiles	0,74	0,0	0,0	0,0	0,0	0,0	0,0
Other textile products	0,47	0,0	-0,1	0,0	0,0	0,0	0,1
Knitted, crocheted articles	0,10	0,0	0,0	0,0	0,0	0,0	0,0
Wearing apparel	1,19	0,0	0,0	0,0	0,0	-0,2	-0,1
Leather and leather products	0,28	0,0	0,0	0,0	0,0	0,0	0,0
Footwear	0,39	0,0	0,0	0,0	0,0	0,0	0,0
Wood and wood products, paper, publishing and printing	12,65	-0,3	-0,3	0,6	0,9	0,5	0,4
Sawmilling and planing of wood	1,83	0,1	0,2	0,0	0,2	0,1	0,2
Products of wood	2,55	0,0	0,2	0,1	0,3	0,0	0,2
Paper and paper products	4,89	-0,1	-0,3	0,6	0,3	0,5	0,0
Publishing	1,51	-0,1	-0,2	0,0	0,0	-0,1	0,0
Printing, recorded media	1,87	-0,1	-0,2	-0,1	0,1	0,0	0,0
Petroleum, chemical products, rubber and plastic products	22,13	-0,2	0,6	0,1	1,2	0,4	1,8
Coke, petroleum products and nuclear fuel	7,77	0,1	-0,2	-0,4	0,1	0,9	1,4
Basic chemicals	3,81	-0,3	0,0	0,3	0,5	-0,2	0,0
Other chemical products	6,49	0,0	0,8	0,1	0,3	0,0	0,5
Rubber products	1,00	0,0	0,0	0,0	0,0	-0,1	0,0
Plastic products	3,06	0,1	0,1	0,1	0,3	-0,2	-0,2
Glass and non-metallic mineral products	3,91	0,1	0,0	0,1	-0,1	-0,2	0,0
Glass and glass products	0,78	0,1	0,0	0,0	0,0	0,0	0,0
Non-metallic mineral products	3,13	0,0	0,0	0,0	-0,1	-0,2	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,59	-1,3	-1,0	-1,8	-0,5	-1,6	-0,4
Basic iron and steel products	3,38	-0,5	-0,2	-0,7	-0,2	-0,2	0,0
Non-ferrous metal products	3,18	-0,2	-0,3	-0,2	0,1	-0,1	-0,2
Structural metal products	1,89	-0,1	0,0	0,1	0,0	-0,2	-0,1
Other fabricated metal products	4,40	-0,1	-0,3	-0,1	0,1	-0,3	0,1
General purpose machinery	2,44	-0,1	-0,2	-0,2	-0,3	-0,1	-0,1
Special purpose machinery	3,44	-0,1	0,0	-0,4	-0,2	-0,4	0,1
Household appliances	0,86	-0,1	0,0	-0,3	-0,1	-0,2	-0,1
Electrical machinery	1,70	0,2	0,2	0,1	0,1	0,1	0,3
Radio, television and communication apparatus and professional equipment	1,41	0,0	0,2	0,5	0,3	0,1	0,2
Radio, television and communication apparatus	0,90	0,0	0,2	0,4	0,3	0,1	0,2
Professional equipment	0,51	0,0	0,0	0,1	0,0	0,0	0,0
Motor vehicles, parts and accessories and other transport equipment	7,39	0,3	-0,3	-0,9	-0,2	-0,6	0,8
Motor vehicles	2,98	0,0	-0,4	-1,0	-0,4	-0,2	0,6
Bodies for motor vehicles, trailers and semi-trailers	0,43	0,1	0,0	0,0	0,0	-0,1	-0,1
Parts and accessories	2,77	0,2	0,0	0,0	0,2	-0,1	0,2
Other transport equipment	1,21	0,1	0,1	0,0	0,0	-0,1	0,0
Furniture and other manufacturing	3,61	-0,4	-0,1	-0,6	0,0	-0,6	-0,1
Furniture	1,08	0,0	0,0	-0,1	-0,1	-0,2	-0,1
Other manufacturing groups	2,53	-0,4	-0,1	-0,5	0,1	-0,5	0,0
Total	100	-1,2	0,5	-2,5	2,3	-2,4	2,9

Table 7 – Seasonally adjusted index of the volume of manufacturing production by division and major group (Base: 2010=100)

Manufacturing division and major group	Weight (2012)	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	Month-on-month % change
Food and beverages	24,44	116,6	110,6	112,9	110,7	114,7	3,6
Meat, fish, fruit, etc.	5,39	122,4	119,3	112,4	116,9	117,0	0,1
Dairy products	1,78	121,5	111,7	117,3	120,8	117,0	-3,1
Grain mill products	2,86	107,9	106,4	107,9	106,5	105,4	-1,0
Other food products	7,73	112,5	106,5	111,9	101,0	104,9	3,9
Beverages	6,68	119,2	109,7	115,3	116,0	127,5	9,9
Textiles, clothing, leather and footwear	3,17	94,2	94,4	93,9	92,6	93,7	1,2
Textiles	0,74	82,8	86,9	84,9	90,9	86,4	-5,0
Other textile products	0,47	86,7	91,3	90,2	91,6	94,9	3,6
Knitted, crocheted articles	0,10	50,1	56,1	54,3	53,5	55,4	3,6
Wearing apparel	1,19	99,7	94,3	99,7	89,8	92,3	2,8
Leather and leather products	0,28	118,2	120,0	113,6	110,1	122,8	11,5
Footwear	0,39	101,7	104,1	93,6	102,9	99,0	-3,8
Wood and wood products, paper, publishing and printing	12,65	104,4	107,1	107,9	109,7	104,2	-5,0
Sawmilling and planing of wood	1,83	128,4	124,9	132,4	135,8	132,9	-2,1
Products of wood	2,55	103,9	107,0	111,2	108,2	110,2	1,8
Paper and paper products	4,89	104,9	113,0	106,9	111,9	99,0	-11,5
Publishing	1,51	94,9	91,1	92,4	93,0	93,4	0,4
Printing, recorded media	1,87	87,7	87,2	94,4	94,0	90,5	-3,7
Petroleum, chemical products, rubber and plastic products	22,13	111,4	109,8	110,8	111,8	111,6	-0,2
Coke, petroleum products and nuclear fuel	7,77	102,4	101,8	104,9	111,4	111,7	0,3
Basic chemicals	3,81	112,4	114,8	114,4	112,1	110,8	-1,2
Other chemical products	6,49	126,1	120,3	118,5	120,2	119,6	-0,5
Rubber products	1,00	104,9	100,5	94,8	95,0	97,8	2,9
Plastic products	3,06	104,0	104,9	110,0	99,8	99,5	-0,3
Glass and non-metallic mineral products	3,91	90,6	97,6	95,3	95,5	96,5	1,0
Glass and glass products	0,78	92,5	95,8	92,0	96,2	93,5	-2,8
Non-metallic mineral products	3,13	90,1	98,1	96,1	95,3	97,3	2,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,59	98,7	97,5	100,6	98,0	98,6	0,6
Basic iron and steel products	3,38	91,6	85,4	93,6	90,4	92,2	2,0
Non-ferrous metal products	3,18	92,0	93,2	101,6	94,1	93,8	-0,3
Structural metal products	1,89	79,7	80,9	78,2	77,6	74,9	-3,5
Other fabricated metal products	4,40	116,0	119,4	123,4	121,5	121,8	0,2
General purpose machinery	2,44	77,4	77,0	76,4	79,1	76,5	-3,3
Special purpose machinery	3,44	111,8	108,8	107,8	104,8	110,1	5,1
Household appliances	0,86	111,9	99,2	97,4	93,9	92,2	-1,8
Electrical machinery	1,70	117,5	110,4	111,8	113,4	113,9	0,4
Radio, television and communication apparatus and professional equipment	1,41	154,3	142,9	137,0	136,1	135,8	-0,2
Radio, television and communication apparatus	0,90	180,2	160,5	152,1	152,2	156,0	2,5
Professional equipment	0,51	108,0	111,4	110,0	107,3	99,9	-6,9
Motor vehicles, parts and accessories and other transport equipment	7,39	103,3	105,2	108,1	115,3	117,5	1,9
Motor vehicles	2,98	113,6	116,3	125,5	141,7	146,3	3,2
Bodies for motor vehicles, trailers and semi-trailers	0,43	106,3	122,9	110,2	102,7	102,6	-0,1
Parts and accessories	2,77	90,3	94,1	93,7	94,5	97,7	3,4
Other transport equipment	1,21	106,3	97,2	97,2	102,2	97,4	-4,7
Furniture and other manufacturing	3,61	90,5	80,5	91,9	78,3	87,1	11,2
Furniture	1,08	106,6	99,6	97,8	93,5	96,7	3,4
Other manufacturing groups	2,53	83,5	72,3	89,4	71,8	82,9	15,5
Total	100	107,3	105,4	107,3	106,7	107,6	0,8

Table 8 – Manufacturing sales at current prices (R million)

Month	2010	2011	2012	2013	2014	2015	2016 ¹
Jan	90 215	95 994	107 218	116 532	130 303	129 333	133 005
Feb	101 983	111 651	125 750	131 788	146 300	143 332	155 106
Mar	115 516	126 331	133 374	137 740	151 487	161 661	163 723
Apr	101 853	108 005	117 453	133 321	143 553	142 263	154 273
May	109 489	117 657	130 302	141 196	148 043	153 030	
Jun	113 772	122 233	130 849	139 275	155 933	157 801	
Jul	113 046	113 051	127 702	146 362	145 849	158 167	
Aug	110 779	125 128	134 503	143 958	156 037	156 112	
Sep	113 369	133 135	131 890	140 221	162 333	166 634	
Oct	121 878	133 901	144 549	156 327	175 379	172 704	
Nov	126 703	139 235	153 267	162 140	170 409	173 476	
Dec	104 635	117 662	123 569	140 451	148 058	150 789	
Total	1 323 238	1 443 983	1 560 426	1 689 311	1 833 684	1 865 302	

¹ The latest three months are preliminary.

Table 9 – Year-on-year percentage change in manufacturing sales at current prices

Month	2011	2012	2013	2014	2015	2016	2016 year-to-date
Jan	6,4	11,7	8,7	11,8	-0,7	2,8	2,8
Feb	9,5	12,6	4,8	11,0	-2,0	8,2	5,7
Mar	9,4	5,6	3,3	10,0	6,7	1,3	4,0
Apr	6,0	8,7	13,5	7,7	-0,9	8,4	5,1
May	7,5	10,7	8,4	4,8	3,4		
Jun	7,4	7,0	6,4	12,0	1,2		
Jul	0,0	13,0	14,6	-0,4	8,4		
Aug	13,0	7,5	7,0	8,4	0,0		
Sep	17,4	-0,9	6,3	15,8	2,6		
Oct	9,9	8,0	8,1	12,2	-1,5		
Nov	9,9	10,1	5,8	5,1	1,8		
Dec	12,4	5,0	13,7	5,4	1,8		
Total	9,1	8,1	8,3	8,5	1,7		

Table 10 – Seasonally adjusted manufacturing sales at current prices

Month	R million				Month-on-month % change			
	2013	2014	2015	2016	2013	2014	2015	2016
Jan	135 451	150 780	151 748	157 827	1,4	1,2	-2,5	1,0
Feb	137 417	152 687	150 023	159 532	1,5	1,3	-1,1	1,1
Mar	137 145	147 307	156 316	160 383	-0,2	-3,5	4,2	0,5
Apr	138 522	153 281	151 655	161 189	1,0	4,1	-3,0	0,5
May	140 522	148 993	155 553		1,4	-2,8	2,6	
Jun	139 200	154 914	155 400		-0,9	4,0	-0,1	
Jul	145 274	144 470	156 313		4,4	-6,7	0,6	
Aug	141 349	154 432	155 541		-2,7	6,9	-0,5	
Sep	135 758	155 587	158 951		-4,0	0,7	2,2	
Oct	142 508	159 914	158 767		5,0	2,8	-0,1	
Nov	145 640	154 979	156 563		2,2	-3,1	-1,4	
Dec	149 050	155 589	156 340		2,3	0,4	-0,1	

Table 11 – Manufacturing sales at current prices by division and major group (R million)

Manufacturing division and major group	Nov-15	Dec-15	Jan-16	¹ Feb-16	¹ Mar-16	¹ Apr-16
Food and beverages	39 764	44 943	32 252	34 104	38 461	35 647
Meat, fish, fruit, etc.	10 965	11 802	8 448	9 050	10 900	9 830
Dairy products	3 461	3 721	3 089	3 241	3 536	3 251
Grain mill products	6 137	6 187	5 652	5 745	6 613	6 145
Other food products	7 626	7 465	6 705	6 411	6 556	7 532
Beverages	11 574	15 769	8 358	9 656	10 856	8 888
Textiles, clothing, leather and footwear	5 082	3 490	3 168	4 288	4 398	4 476
Textiles	692	428	482	679	719	663
Other textile products	1 345	856	912	1 237	1 174	1 283
Knitted, crocheted articles	231	136	148	210	226	238
Wearing apparel	1 612	1 153	768	1 157	1 234	1 213
Leather and leather products	628	509	519	622	593	636
Footwear	574	408	339	383	453	443
Wood and wood products, paper, publishing and printing	13 993	11 694	10 604	12 062	12 675	10 830
Sawmilling and planing of wood	904	878	745	964	973	924
Products of wood	1 915	1 312	1 367	1 662	1 787	1 712
Paper and paper products	6 141	5 778	5 360	5 453	6 153	4 977
Publishing	2 048	1 713	1 354	1 619	1 539	1 381
Printing, recorded media	2 985	2 012	1 778	2 365	2 223	1 837
Petroleum, chemical products, rubber and plastic products	38 616	33 997	31 905	33 279	34 347	33 045
Coke, petroleum products and nuclear fuel	12 300	12 245	11 267	9 416	10 989	10 882
Basic chemicals	7 844	6 555	6 901	7 489	7 006	6 677
Other chemical products	10 401	9 460	7 994	9 405	9 693	8 892
Rubber products	1 539	1 025	1 101	1 407	1 426	1 399
Plastic products	6 532	4 712	4 642	5 561	5 234	5 195
Glass and non-metallic mineral products	5 380	3 420	3 522	4 416	4 482	4 454
Glass and glass products	1 037	724	633	684	674	660
Non-metallic mineral products	4 343	2 696	2 889	3 732	3 808	3 794
Basic iron and steel, non-ferrous metal products, metal products and machinery	34 066	26 904	26 933	33 789	34 351	32 506
Basic iron and steel products	8 677	6 394	8 098	9 039	8 826	9 207
Non-ferrous metal products	7 620	7 324	6 977	8 194	8 043	7 896
Structural metal products	3 021	2 262	2 136	3 004	2 805	2 484
Other fabricated metal products	5 882	3 737	4 134	5 605	5 621	5 313
General purpose machinery	3 022	2 429	1 967	2 644	2 824	2 666
Special purpose machinery	4 807	4 045	2 895	4 362	5 266	4 078
Household appliances	1 036	713	726	941	967	861
Electrical machinery	5 813	4 078	3 721	5 154	6 004	4 588
Radio, television and communication apparatus and professional equipment	2 347	1 835	1 435	1 760	1 775	1 506
Radio, television and communication apparatus	1 573	1 166	874	1 001	981	851
Professional equipment	774	669	561	760	794	655
Motor vehicles, parts and accessories and other transport equipment	22 938	15 318	16 021	21 290	22 695	22 468
Motor vehicles	12 414	8 527	7 841	11 227	11 876	12 111
Bodies for motor vehicles, trailers and semi-trailers	990	496	572	803	729	780
Parts and accessories	6 878	3 359	5 496	6 841	7 059	7 351
Other transport equipment	2 655	2 936	2 112	2 420	3 031	2 225
Furniture and other manufacturing	5 477	5 109	3 443	4 964	4 536	4 753
Furniture	1 530	1 033	697	1 018	949	1 029
Other manufacturing groups	3 946	4 076	2 746	3 946	3 587	3 724
Total	173 476	150 789	133 005	155 106	163 723	154 273

¹ The latest three months are preliminary.

Table 12 – Year-on-year percentage change in manufacturing sales at current prices by division and major group

Manufacturing division and major group	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16
Food and beverages	12,7	12,1	8,1	11,1	11,9	11,1
Meat, fish, fruit, etc.	17,3	12,3	11,8	12,4	10,2	12,0
Dairy products	9,0	7,2	-0,8	18,9	9,4	6,7
Grain mill products	14,7	15,2	18,9	21,8	17,0	20,3
Other food products	2,9	9,5	17,1	1,9	11,2	10,7
Beverages	15,6	13,4	-3,9	8,5	11,8	6,4
Textiles, clothing, leather and footwear	3,0	-2,0	3,6	7,8	-1,0	7,6
Textiles	5,8	6,7	7,6	15,1	9,9	11,1
Other textile products	0,6	-9,1	-1,3	6,3	-4,6	10,6
Knitted, crocheted articles	7,9	4,6	2,1	11,7	9,7	13,3
Wearing apparel	2,0	0,0	-1,8	7,5	-6,4	-1,9
Leather and leather products	9,0	-7,6	5,3	1,6	1,7	10,4
Footwear	0,0	5,7	27,9	9,7	0,9	16,0
Wood and wood products, paper, publishing and printing	3,5	3,6	11,7	10,8	5,7	4,8
Sawmilling and planing of wood	2,7	30,3	3,5	5,5	11,6	10,3
Products of wood	4,8	12,8	9,9	13,3	5,4	11,0
Paper and paper products	7,1	3,7	21,9	10,6	8,9	4,9
Publishing	-2,2	-4,0	4,8	7,2	-2,3	1,1
Printing, recorded media	0,1	-3,7	-3,5	14,6	1,0	-0,3
Petroleum, chemical products, rubber and plastic products	-10,6	-5,5	1,2	5,6	-5,8	-4,1
Coke, petroleum products and nuclear fuel	-23,1	-19,8	-9,8	-16,4	-16,9	-20,4
Basic chemicals	-20,5	-11,2	5,3	25,1	-3,1	0,1
Other chemical products	7,5	20,6	11,5	16,4	4,5	12,5
Rubber products	-1,5	3,5	4,1	5,2	-6,1	10,7
Plastic products	7,2	4,9	8,9	14,6	0,5	5,0
Glass and non-metallic mineral products	5,5	1,5	4,9	2,5	-3,5	5,2
Glass and glass products	11,5	8,2	5,9	-0,7	3,5	0,8
Non-metallic mineral products	4,2	-0,1	4,7	3,1	-4,6	5,9
Basic iron and steel, non-ferrous metal products, metal products and machinery	-2,9	-5,8	-2,0	5,5	-6,3	10,4
Basic iron and steel products	-8,9	-20,9	-15,0	-1,2	-20,0	12,8
Non-ferrous metal products	-4,1	6,1	13,7	18,5	8,9	18,4
Structural metal products	-1,0	8,1	7,8	2,0	-12,7	0,4
Other fabricated metal products	0,1	-5,2	3,5	9,3	-3,7	5,2
General purpose machinery	-5,5	-10,8	-11,1	-5,5	-1,6	4,5
Special purpose machinery	7,7	-4,3	-1,1	5,9	-0,4	8,3
Household appliances	0,4	22,9	4,3	-3,7	-7,3	12,8
Electrical machinery	18,8	4,8	7,6	10,4	17,1	21,1
Radio, television and communication apparatus and professional equipment	12,4	9,4	33,4	19,3	5,2	12,8
Radio, television and communication apparatus	17,3	10,8	56,9	21,6	7,3	21,1
Professional equipment	3,5	6,7	8,1	16,6	2,7	3,5
Motor vehicles, parts and accessories and other transport equipment	9,2	3,6	-2,3	12,0	4,8	26,8
Motor vehicles	7,8	9,8	-8,2	13,8	4,7	35,1
Bodies for motor vehicles, trailers and semi-trailers	13,8	-8,3	8,7	1,6	-16,8	-4,8
Parts and accessories	5,5	-13,5	0,7	13,2	9,5	25,4
Other transport equipment	26,4	12,9	12,8	4,6	1,5	7,6
Furniture and other manufacturing	3,4	4,8	-5,3	4,1	-1,8	0,9
Furniture	7,4	-1,9	-8,4	-6,1	-12,3	-3,9
Other manufacturing groups	1,9	6,7	-4,5	7,1	1,4	2,3
Total	1,8	1,8	2,8	8,2	1,3	8,4

Table 13 – Contribution of each division and major group to the year-on-year percentage change in manufacturing sales at current prices (percentage points)

Manufacturing division and major group	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16
Food and beverages	2,6	3,3	1,9	2,4	2,5	2,5
Meat, fish, fruit, etc.	0,9	0,9	0,7	0,7	0,6	0,7
Dairy products	0,2	0,2	0,0	0,4	0,2	0,1
Grain mill products	0,5	0,6	0,7	0,7	0,6	0,7
Other food products	0,1	0,4	0,8	0,1	0,4	0,5
Beverages	0,9	1,3	-0,3	0,5	0,7	0,4
Textiles, clothing, leather and footwear	0,1	0,0	0,1	0,2	0,0	0,2
Textiles	0,0	0,0	0,0	0,1	0,0	0,0
Other textile products	0,0	-0,1	0,0	0,1	0,0	0,1
Knitted, crocheted articles	0,0	0,0	0,0	0,0	0,0	0,0
Wearing apparel	0,0	0,0	0,0	0,1	-0,1	0,0
Leather and leather products	0,0	0,0	0,0	0,0	0,0	0,0
Footwear	0,0	0,0	0,1	0,0	0,0	0,0
Wood and wood products, paper, publishing and printing	0,3	0,3	0,9	0,8	0,4	0,3
Sawmilling and planing of wood	0,0	0,1	0,0	0,0	0,1	0,1
Products of wood	0,1	0,1	0,1	0,1	0,1	0,1
Paper and paper products	0,2	0,1	0,7	0,4	0,3	0,2
Publishing	0,0	0,0	0,0	0,1	0,0	0,0
Printing, recorded media	0,0	-0,1	0,0	0,2	0,0	0,0
Petroleum, chemical products, rubber and plastic products	-2,7	-1,3	0,3	1,2	-1,3	-1,0
Coke, petroleum products and nuclear fuel	-2,2	-2,0	-0,9	-1,3	-1,4	-2,0
Basic chemicals	-1,2	-0,6	0,3	1,0	-0,1	0,0
Other chemical products	0,4	1,1	0,6	0,9	0,3	0,7
Rubber products	0,0	0,0	0,0	0,0	-0,1	0,1
Plastic products	0,3	0,1	0,3	0,5	0,0	0,2
Glass and non-metallic mineral products	0,2	0,0	0,1	0,1	-0,1	0,2
Glass and glass products	0,1	0,0	0,0	0,0	0,0	0,0
Non-metallic mineral products	0,1	0,0	0,1	0,1	-0,1	0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	-0,6	-1,1	-0,4	1,2	-1,4	2,2
Basic iron and steel products	-0,5	-1,1	-1,1	-0,1	-1,4	0,7
Non-ferrous metal products	-0,2	0,3	0,7	0,9	0,4	0,9
Structural metal products	0,0	0,1	0,1	0,0	-0,3	0,0
Other fabricated metal products	0,0	-0,1	0,1	0,3	-0,1	0,2
General purpose machinery	-0,1	-0,2	-0,2	-0,1	0,0	0,1
Special purpose machinery	0,2	-0,1	0,0	0,2	0,0	0,2
Household appliances	0,0	0,1	0,0	0,0	0,0	0,1
Electrical machinery	0,5	0,1	0,2	0,3	0,5	0,6
Radio, television and communication apparatus and professional equipment	0,2	0,1	0,3	0,2	0,1	0,1
Radio, television and communication apparatus	0,1	0,1	0,2	0,1	0,0	0,1
Professional equipment	0,0	0,0	0,0	0,1	0,0	0,0
Motor vehicles, parts and accessories and other transport equipment	1,1	0,4	-0,3	1,6	0,6	3,3
Motor vehicles	0,5	0,5	-0,5	0,9	0,3	2,2
Bodies for motor vehicles, trailers and semi-trailers	0,1	0,0	0,0	0,0	-0,1	0,0
Parts and accessories	0,2	-0,4	0,0	0,6	0,4	1,0
Other transport equipment	0,3	0,2	0,2	0,1	0,0	0,1
Furniture and other manufacturing	0,1	0,2	-0,1	0,1	-0,1	0,0
Furniture	0,1	0,0	0,0	0,0	-0,1	0,0
Other manufacturing groups	0,0	0,2	-0,1	0,2	0,0	0,1
Total	1,8	1,8	2,8	8,2	1,3	8,4

Table 14 – Seasonally adjusted manufacturing sales at current prices by division and major group (R million)

Manufacturing division and major group	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	Month-on-month % change
Food and beverages	37 151	36 991	36 433	37 860	38 034	0,5
Meat, fish, fruit, etc.	10 339	10 263	9 900	10 415	10 298	-1,1
Dairy products	3 353	3 224	3 381	3 388	3 369	-0,6
Grain mill products	6 099	6 175	6 273	6 345	6 329	-0,3
Other food products	7 110	7 577	6 927	7 310	7 253	-0,8
Beverages	10 250	9 752	9 951	10 402	10 785	3,7
Textiles, clothing, leather and footwear	4 249	4 372	4 265	4 301	4 338	0,9
Textiles	622	622	628	660	630	-4,5
Other textile products	1 121	1 205	1 183	1 164	1 222	5,0
Knitted, crocheted articles	186	206	201	209	204	-2,4
Wearing apparel	1 279	1 200	1 225	1 218	1 210	-0,7
Leather and leather products	578	589	592	596	618	3,7
Footwear	464	550	436	455	455	0,0
Wood and wood products, paper, publishing and printing	12 226	12 584	12 440	12 591	12 034	-4,4
Sawmilling and planing of wood	977	885	957	968	959	-0,9
Products of wood	1 664	1 721	1 715	1 750	1 768	1,0
Paper and paper products	5 682	6 218	5 712	5 896	5 500	-6,7
Publishing	1 682	1 621	1 655	1 626	1 620	-0,4
Printing, recorded media	2 221	2 139	2 401	2 351	2 188	-6,9
Petroleum, chemical products, rubber and plastic products	35 539	35 621	35 959	34 768	34 023	-2,1
Coke, petroleum products and nuclear fuel	11 749	11 362	11 212	11 279	10 622	-5,8
Basic chemicals	7 116	7 658	8 186	7 407	7 091	-4,3
Other chemical products	9 835	9 600	9 676	9 467	9 448	-0,2
Rubber products	1 345	1 363	1 335	1 311	1 385	5,6
Plastic products	5 495	5 637	5 549	5 303	5 477	3,3
Glass and non-metallic mineral products	4 489	4 690	4 557	4 544	4 654	2,4
Glass and glass products	774	769	735	778	780	0,3
Non-metallic mineral products	3 715	3 922	3 822	3 766	3 874	2,9
Basic iron and steel, non-ferrous metal products, metal products and machinery	31 484	32 471	33 380	32 682	33 572	2,7
Basic iron and steel products	8 216	8 604	8 946	8 640	9 244	7,0
Non-ferrous metal products	7 575	7 767	8 254	7 914	8 195	3,6
Structural metal products	2 830	2 765	2 753	2 707	2 643	-2,4
Other fabricated metal products	4 963	5 468	5 475	5 462	5 346	-2,1
General purpose machinery	2 691	2 677	2 776	2 836	2 811	-0,9
Special purpose machinery	4 274	4 282	4 276	4 256	4 445	4,4
Household appliances	934	908	900	866	888	2,5
Electrical machinery	5 120	4 970	4 947	5 321	5 196	-2,3
Radio, television and communication apparatus and professional equipment	1 901	1 845	1 748	1 740	1 719	-1,2
Radio, television and communication apparatus	1 190	1 117	967	1 009	1 028	1,9
Professional equipment	712	729	782	731	691	-5,5
Motor vehicles, parts and accessories and other transport equipment	18 964	19 581	20 988	21 853	22 820	4,4
Motor vehicles	10 391	10 032	11 100	11 426	12 505	9,4
Bodies for motor vehicles, trailers and semi-trailers	699	899	765	765	753	-1,6
Parts and accessories	5 049	6 120	6 535	6 955	7 034	1,1
Other transport equipment	2 825	2 529	2 588	2 706	2 528	-6,6
Furniture and other manufacturing	5 217	4 700	4 814	4 724	4 799	1,6
Furniture	1 163	1 111	1 088	1 072	1 103	2,9
Other manufacturing groups	4 054	3 590	3 727	3 652	3 696	1,2
Total	156 340	157 827	159 532	160 383	161 189	0,5

Survey information

- 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 sampling frame (BSF), with enhanced coverage of South African businesses (see 4). The release contains monthly indices of the volume of manufacturing production and monthly value of sales of manufactured products by division and major group.
 - 2 In accordance with international practice, the indices are usually re-based every five years to a new base year. The current base period of the index is 2010. Both estimated and seasonally adjusted figures are presented.
 - 3 In order to improve timeliness, some information for the latest month had to be estimated due to late response. These estimates will be revised in future statistical releases as soon as information becomes available.
 - 4 Stats SA is continuously updating its BSF, 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 the volume of manufacturing production indices in order to estimate the gross domestic product (GDP) and its components, which in turn are used to develop and monitor government policy. These indices provide an indicator of the real level of manufacturing activity in the economy.
- 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.
- Collection rate**
- 9 The preliminary collection rate for the survey on manufacturing production and sales for April 2016 was 89,0%. The improved collection rate for March 2016 was 91,1%.
- Statistical unit**
- 10 The statistical unit for which information is compiled and published is an 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.
- Revised figures**
- 11 Revised figures are mainly due to late submission of data to Stats SA, or respondents reporting revisions or corrections to their figures. Preliminary figures, as indicated in the relevant tables, are subject to change and when revised will not be indicated as such.

Calculation of production index

- 6 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.
- 7 More direct indicators are used for the value of production of the following major groups:
 - 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 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).

Index weighting

- 8 For indices, a weight is calculated for every major group according to the value added of the major group (i.e. output of a major group minus intermediate consumption) relative to the total value added of the manufacturing industry as a whole, based on the results of the most recent census of manufacturing, large sample survey (LSS) of the manufacturing industry or national accounts (NA) value added data. The production indices of all divisions are multiplied by the applicable weights and aggregated to produce the index for the total volume of manufacturing production. Weights between census/LSS/NA years are fixed. The table below reflects the period and the census/LSS/NA which were used as base year for the given period.

Period	Source
1998 to 2000	1996 Census of Manufacturing
2001 to 2004	2001 LSS
2005 to 2009	2005 LSS
2010 to 2015	NA

- 9 The weights reflect the importance of the major group/division to the total manufacturing industry. 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 E – Weights by division and major group

Manufacturing divisions and major groups	Weights according to national accounts value added		
	2010	2011	2012 – 2015
Food and beverages	22,08	23,82	24,44
Meat, fish, fruit, etc.	4,41	5,19	5,39
Dairy products	2,22	2,30	1,78
Grain mill products	2,71	2,78	2,86
Other food products	6,34	7,12	7,73
Beverages	6,40	6,43	6,68
Textiles, clothing, leather and footwear	3,45	2,92	3,17
Textiles	0,68	0,84	0,74
Other textile products	0,43	0,39	0,47
Knitted, crocheted articles	0,08	0,08	0,10
Wearing apparel	1,55	0,99	1,19
Leather and leather products	0,22	0,19	0,28
Footwear	0,49	0,43	0,39
Wood and wood products, paper, publishing and printing	9,30	9,46	12,65
Sawmilling and planing of wood	0,82	0,82	1,83
Products of wood	1,66	1,76	2,55
Paper and paper products	3,18	3,26	4,89
Publishing	1,45	1,45	1,51
Printing, recorded media	2,19	2,17	1,87
Petroleum, chemical products, rubber and plastic products	25,13	22,52	22,13
Coke, petroleum products and nuclear fuel	7,97	6,32	7,77
Basic chemicals	5,81	4,85	3,81
Other chemical products	7,39	7,06	6,49
Rubber products	1,19	1,18	1,00
Plastic products	2,77	3,11	3,06
Glass and non-metallic mineral products	4,91	4,42	3,91
Glass and glass products	0,80	0,89	0,78
Non-metallic mineral products	4,11	3,53	3,13
Basic iron and steel, non-ferrous metal products, metal products and machinery	20,30	20,40	19,59
Basic iron and steel products	4,42	4,71	3,38
Non-ferrous metal products (including precious metals)	3,44	3,46	3,18
Structural metal products	1,87	2,21	1,89
Other fabricated metal products	3,84	3,89	4,40
General purpose machinery	2,36	2,44	2,44
Special purpose machinery	3,48	3,04	3,44
Household appliances	0,89	0,65	0,86
Electrical machinery	2,44	2,37	1,70
Radio, television and communication apparatus and professional equipment	1,32	1,45	1,41
Radio, television and communication apparatus	0,77	0,88	0,90
Professional equipment	0,55	0,57	0,51
Motor vehicles, parts and accessories and other transport equipment	7,89	8,58	7,39
Motor vehicles	3,21	3,84	2,98
Bodies for motor vehicles, trailers and semi-trailers	0,64	0,53	0,43
Parts and accessories	2,88	3,00	2,77
Other transport equipment	1,16	1,21	1,21
Furniture and other manufacturing	3,18	4,06	3,61
Furniture	0,94	1,05	1,08
Other manufacturing groups	2,24	3,01	2,53
Total	100	100	100

- Seasonal adjustment** **10** Seasonally adjusted estimates of all major groups are generated each month, using the X-12 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. The X-12-ARIMA procedure for manufacturing production and sales is described in more detail on the Stats SA website: [Click to Download Seasonal adjustment Manufacturing January 2015](#)
- Trend cycle** **11** The trend is the long-term pattern or movement of a time series. The X-12 Seasonal Adjustment Programme is used for smoothing seasonally adjusted estimates to estimates of the underlying trend.
- Reliability of estimates** **12** 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.
- 13** 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.
- Month-on-month percentage change** **14** The month-on-month percentage change in a variable for any given month is the change between that month and the previous month, expressed as a percentage of the latter.
- Year-on-year (annual) percentage change** **15** The year-on-year percentage change in a variable for any given period is the change between that period and the corresponding period of the previous year, expressed as a percentage of the latter.
- Index contribution (percentage points)** **16** The contribution (percentage points) of a major group or division to the total manufacturing production percentage change for a given period is calculated by multiplying the difference in the index of each major group or division by the weight of the major group or division and then dividing by the previous period total manufacturing index.
- Sales contribution (percentage points)** **17** The contribution (percentage points) of a division or major group to the percentage change in total manufacturing sales for a given period is calculated by multiplying the percentage change of each major group or division with its percentage contribution to the total sales of the previous period, divided by 100.

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.

Industry An industry is made up of enterprises engaged in the same or similar kinds of economic activity. Industries are defined in the *System of National Accounts (SNA)* in the same way as in the *1993 Standard Industrial Classification of all Economic Activities*, Fifth Edition, Report No. 09-90-02 of January 1993 (SIC).

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.

Symbols and abbreviations

BSF	Business sampling frame
GDP	Gross domestic product
IMF	International Monetary Fund
ISIC	International Standard Industrial Classification
LSS	Large sample survey
NA	National accounts
PPI	Producer price index
Rm	R million
SIC	Standard Industrial Classification of all Economic Activities
SARS	South African Revenue Service
SDDS	Special Data Dissemination Standard
Stats SA	Statistics South Africa
VAT	Value added tax
*	Revised figures

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