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The South Africa I know, the home I understand



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Production: results for August 2019

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

	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19
Year-on-year % change, unadjusted	1,0	4,7	0,4	-3,6	-0,7	-1,8
Month-on-month % change, seasonally adjusted	0,9	2,7	-2,3	-2,0	0,8	1,3
3-month % change, seasonally adjusted ¹	-2,1	-1,1	0,2	0,5	-1,4	-1,7

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

Manufacturing production decreased by 1,8% in August 2019 compared with August 2018. The largest negative contributions were made by the following divisions:

- basic iron and steel, non-ferrous metal products, metal products and machinery (-7,0% and contributing -1,3 percentage points);
- petroleum, chemical products, rubber and plastic products (-4,1% and contributing -0,9 of a percentage point); and
- wood and wood products, paper, publishing and printing (-7,3% and contributing -0,8 of a percentage point).

The largest positive contributions were made by the following divisions:

- food and beverages (3,5% and contributing 1,0 percentage point); and
- motor vehicles, parts and accessories and other transport equipment (10,9% and contributing 0,9 of a percentage point) – see Tables 5 and 6.

Seasonally adjusted manufacturing production increased by 1,3% in August 2019 compared with July 2019. This followed month-on-month changes of 0,8% in July 2019 and -2,0% in June 2019 – see Table A.

Seasonally adjusted manufacturing production decreased by 1,7% in the three months ended August 2019 compared with the previous three months. Seven of the ten manufacturing divisions reported negative growth rates over this period.

The largest negative contributions were made by the following divisions:

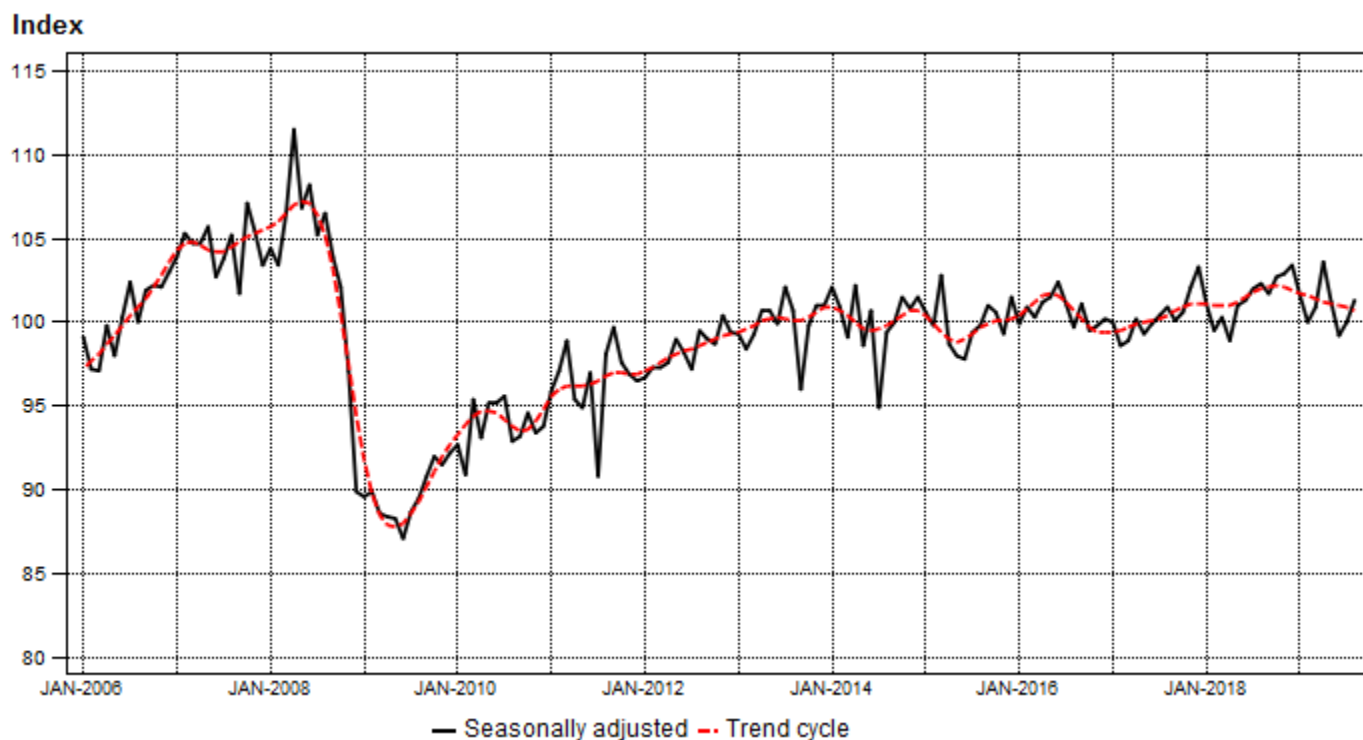
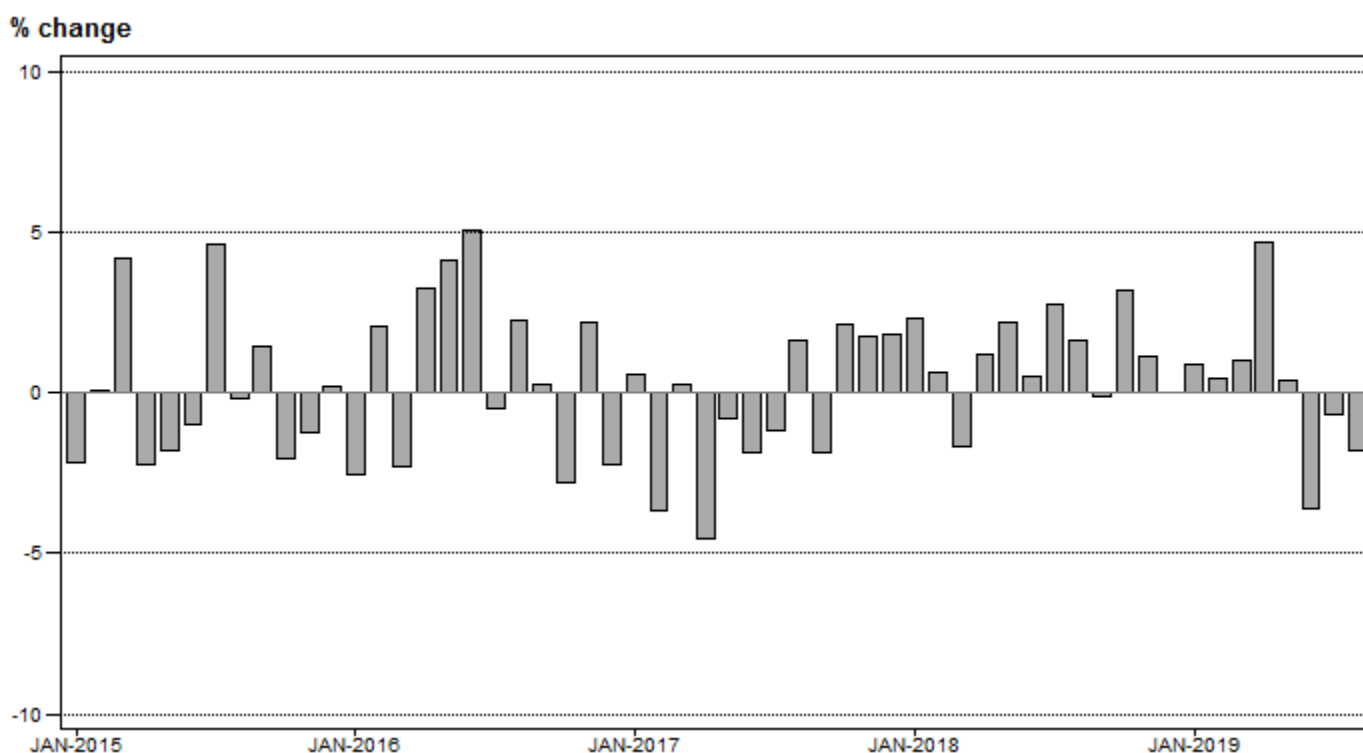
- petroleum, chemical products, rubber and plastic products (-6,6% and contributing -1,5 percentage points); and
- basic iron and steel, non-ferrous metal products, metal products and machinery (-5,6% and contributing -1,1 percentage points).

The largest positive contributions were made by the following divisions:

- motor vehicles, parts and accessories and other transport equipment (8,5% and contributing 0,7 of a percentage point); and
- food and beverages (2,1% and contributing 0,6 of a percentage point) – see Table B.

Table B – Seasonally adjusted manufacturing production for the latest three months by division and major group (Base: 2015=100)

Manufacturing division and major group	Weights	Mar – May 2019	Jun – Aug 2019	% change between Mar – May 2019 and Jun – Aug 2019	Contribution (% points) to the total % change
Food and beverages	26,64	108,7	111,0	2,1	0,6
Meat, fish, fruit, etc.	6,69	104,4	103,7	-0,7	0,0
Dairy products	2,15	118,0	116,3	-1,4	0,0
Grain mill products	3,37	96,9	98,3	1,4	0,0
Other food products	8,14	112,4	122,0	8,5	0,8
Beverages	6,29	111,7	109,6	-1,9	-0,1
Textiles, clothing, leather and footwear	3,12	87,6	89,6	2,3	0,1
Textiles	0,78	92,9	99,9	7,5	0,1
Other textile products	0,40	92,7	90,9	-1,9	0,0
Knitted, crocheted articles	0,09	84,4	84,7	0,4	0,0
Wearing apparel	1,04	83,3	83,5	0,2	0,0
Leather and leather products	0,46	77,2	72,7	-5,8	0,0
Footwear	0,35	97,2	107,1	10,2	0,0
Wood and wood products, paper, publishing and printing	11,45	94,8	94,7	-0,1	0,0
Sawmilling and planing of wood	1,73	99,4	99,3	-0,1	0,0
Products of wood	2,57	100,2	100,4	0,2	0,0
Paper and paper products	4,14	97,5	97,7	0,2	0,0
Publishing	1,43	75,9	76,2	0,4	0,0
Printing, recorded media	1,58	90,8	89,5	-1,4	0,0
Petroleum, chemical products, rubber and plastic products	23,07	100,3	93,7	-6,6	-1,5
Coke, petroleum products and nuclear fuel	8,67	107,4	90,0	-16,2	-1,5
Basic chemicals	4,29	89,5	90,7	1,3	0,1
Other chemical products	6,19	94,7	93,8	-1,0	-0,1
Rubber products	1,24	97,2	99,9	2,8	0,0
Plastic products	2,68	109,3	107,3	-1,8	-0,1
Glass and non-metallic mineral products	3,18	94,7	88,9	-6,1	-0,2
Glass and glass products	0,66	117,0	108,8	-7,0	-0,1
Non-metallic mineral products	2,52	88,8	83,7	-5,7	-0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,69	104,2	98,4	-5,6	-1,1
Basic iron and steel products	3,57	113,6	99,8	-12,1	-0,5
Non-ferrous metal products	2,58	106,4	101,6	-4,5	-0,1
Structural metal products	1,99	89,4	88,0	-1,6	0,0
Other fabricated metal products	3,79	108,2	100,8	-6,8	-0,3
General purpose machinery	2,58	100,6	98,0	-2,6	-0,1
Special purpose machinery	3,41	102,5	97,6	-4,8	-0,2
Household appliances	0,77	91,4	99,5	8,9	0,1
Electrical machinery	1,64	83,6	82,4	-1,4	0,0
Radio, television and communication apparatus and professional equipment	1,54	92,2	88,2	-4,3	-0,1
Radio, television and communication apparatus	0,90	100,2	91,4	-8,8	-0,1
Professional equipment	0,64	81,0	83,8	3,5	0,0
Motor vehicles, parts and accessories and other transport equipment	7,56	103,8	112,6	8,5	0,7
Motor vehicles	2,82	105,1	112,1	6,7	0,2
Bodies for motor vehicles, trailers and semi-trailers	0,47	114,5	115,2	0,6	0,0
Parts and accessories	3,04	111,6	126,3	13,2	0,4
Other transport equipment	1,23	77,5	78,9	1,8	0,0
Furniture and other manufacturing	3,11	98,1	94,0	-4,2	-0,1
Furniture	1,07	89,5	83,7	-6,5	-0,1
Other manufacturing groups	2,04	102,7	99,5	-3,1	-0,1
Total	100	101,9	100,2	-1,7	-1,7

Figure 1 – Volume of manufacturing production (Base: 2015=100)**Figure 2 – Volume of manufacturing production (Base: 2015=100): year-on-year percentage change**

Sales: results for August 2019**Table C – Key growth rates in manufacturing sales at current prices**

	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19
Year-on-year % change, unadjusted	8,6	14,8	4,0	4,0	4,7	5,0
Month-on-month % change, seasonally adjusted	1,3	3,0	-3,5	1,7	0,2	1,9
3-month % change, seasonally adjusted ¹	0,1	1,3	1,9	1,6	0,0	1,0

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

Seasonally adjusted manufacturing sales increased by 1,9% in August 2019 compared with July 2019. This followed month-on-month changes of 0,2% in July 2019 and 1,7% in June 2019 – see Table C.

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

Manufacturing division	Mar – May 2019 (R million)	Jun – Aug 2019 (R million)	% change between Mar – May 2019 and Jun – Aug 2019	Contribution (% points) to the total % change
Food and beverages	140 468	141 815	1,0	0,2
Textiles, clothing, leather and footwear	15 235	15 550	2,1	0,1
Wood and wood products, paper, publishing and printing	41 268	41 265	0,0	0,0
Petroleum, chemical products, rubber and plastic products	123 401	121 712	-1,4	-0,3
Glass and non-metallic mineral products	16 784	16 709	-0,4	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	137 792	139 244	1,1	0,3
Electrical machinery	14 365	13 870	-3,4	-0,1
Radio, television and communication apparatus and professional equipment	6 257	6 117	-2,2	0,0
Motor vehicles, parts and accessories and other transport equipment	83 514	88 970	6,5	0,9
Furniture and other manufacturing	21 610	21 544	-0,3	0,0
Total	600 694	606 794	1,0	1,0

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Statistician-General

Tables

Table 1 – Index of the volume of manufacturing production (Base: 2015=100)

Month	2013	2014	2015	2016	2017	2018	2019 ¹
Jan	86,6	88,9	87,0	84,8	85,3	87,3	88,1
Feb	93,4	95,5	95,6	97,6	94,0	94,6	95,0
Mar	98,2	99,6	103,8	101,4	101,7	100,0	101,0
Apr	95,6	94,5	92,4	95,4	91,1	92,2	96,5
May	101,9	99,2	97,4	101,4	100,6	102,8	103,2
Jun	98,6	99,8	98,8	103,8	101,9	102,4	98,7
Jul	104,8	97,5	102,0	101,5	100,3	103,1	102,4
Aug	103,8	101,4	101,2	103,5	105,2	106,9	105,0
Sep	99,1	105,5	107,0	107,3	105,3	105,2	
Oct	111,3	113,2	110,9	107,8	110,1	113,6	
Nov	113,1	111,1	109,7	112,1	114,1	115,4	
Dec	92,4	93,9	94,1	92,0	93,7	93,7	
Total	99,9	100,0	100,0	100,7	100,3	101,4	

¹ The latest three months are preliminary.

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

Month	2014	2015	2016	2017	2018	2019	2019 year-to-date
Jan	2,7	-2,1	-2,5	0,6	2,3	0,9	0,9
Feb	2,2	0,1	2,1	-3,7	0,6	0,4	0,7
Mar	1,4	4,2	-2,3	0,3	-1,7	1,0	0,7
Apr	-1,2	-2,2	3,2	-4,5	1,2	4,7	1,8
May	-2,6	-1,8	4,1	-0,8	2,2	0,4	1,5
Jun	1,2	-1,0	5,1	-1,8	0,5	-3,6	0,5
Jul	-7,0	4,6	-0,5	-1,2	2,8	-0,7	0,3
Aug	-2,3	-0,2	2,3	1,6	1,6	-1,8	0,0
Sep	6,5	1,4	0,3	-1,9	-0,1		
Oct	1,7	-2,0	-2,8	2,1	3,2		
Nov	-1,8	-1,3	2,2	1,8	1,1		
Dec	1,6	0,2	-2,2	1,8	0,0		
Total	0,1	0,0	0,7	-0,4	1,1		

Table 3 – Seasonally adjusted volume of manufacturing production

Month	Index (Base: 2015=100)				Month-on-month % change			
	2016	2017	2018	2019	2016	2017	2018	2019
Jan	99,9	100,0	101,1	101,6	-1,6	-0,2	-2,1	-1,7
Feb	100,9	98,6	99,5	100,0	1,0	-1,4	-1,6	-1,6
Mar	100,3	98,9	100,3	100,9	-0,6	0,3	0,8	0,9
Apr	101,2	100,2	98,9	103,6	0,9	1,3	-1,4	2,7
May	101,5	99,3	101,0	101,2	0,3	-0,9	2,1	-2,3
Jun	102,4	99,9	101,3	99,2	0,9	0,6	0,3	-2,0
Jul	101,1	100,4	102,0	100,0	-1,3	0,5	0,7	0,8
Aug	99,7	100,9	102,3	101,3	-1,4	0,5	0,3	1,3
Sep	101,1	100,1	101,7		1,4	-0,8	-0,6	
Oct	99,5	100,6	102,7		-1,6	0,5	1,0	
Nov	99,8	102,1	102,9		0,3	1,5	0,2	
Dec	100,2	103,3	103,4		0,4	1,2	0,5	

Table 4 – Index of the volume of manufacturing production by division and major group (Base: 2015=100)

Manufacturing division and major group	Weights	Mar-19	Apr-19	May-19	¹ Jun-19	¹ Jul-19	¹ Aug-19
Food and beverages	26,64	102,3	101,3	112,2	109,3	111,7	114,9
Meat, fish, fruit, etc.	6,69	103,2	102,2	106,9	101,4	104,3	104,3
Dairy products	2,15	114,4	113,8	117,8	102,9	109,6	118,8
Grain mill products	3,37	96,8	93,9	97,1	97,1	104,1	98,7
Other food products	8,14	93,1	101,2	128,8	137,0	133,3	135,5
Beverages	6,29	112,0	100,2	102,6	90,7	96,5	106,9
Textiles, clothing, leather and footwear	3,12	86,3	86,2	89,5	82,7	94,6	95,4
Textiles	0,78	93,8	93,0	104,4	94,3	108,0	99,9
Other textile products	0,40	89,3	95,6	98,7	88,2	89,7	96,8
Knitted, crocheted articles	0,09	91,0	86,0	91,2	90,4	85,0	84,7
Wearing apparel	1,04	82,0	76,4	80,9	69,3	96,3	97,1
Leather and leather products	0,46	75,0	81,8	77,8	72,3	64,1	69,7
Footwear	0,35	93,2	95,8	86,9	102,2	108,0	115,2
Wood and wood products, paper, publishing and printing	11,45	94,1	84,8	93,0	95,4	96,8	97,2
Sawmilling and planing of wood	1,73	104,8	99,4	106,6	96,8	111,4	99,5
Products of wood	2,57	96,7	92,2	104,2	101,7	102,0	107,9
Paper and paper products	4,14	98,8	84,8	93,4	100,5	95,6	97,8
Publishing	1,43	71,9	63,5	66,0	78,0	78,9	79,0
Printing, recorded media	1,58	85,9	75,8	83,2	85,9	91,7	91,8
Petroleum, chemical products, rubber and plastic products	23,07	98,8	95,4	100,4	89,8	93,6	100,8
Coke, petroleum products and nuclear fuel	8,67	108,9	108,5	104,7	83,7	84,7	101,5
Basic chemicals	4,29	80,0	79,2	94,3	87,9	94,9	98,4
Other chemical products	6,19	94,0	87,0	94,5	92,2	92,7	98,2
Rubber products	1,24	104,4	85,9	114,3	99,0	116,3	97,7
Plastic products	2,68	105,0	103,1	103,4	103,1	111,9	110,2
Glass and non-metallic mineral products	3,18	90,9	89,3	103,3	92,1	96,1	96,0
Glass and glass products	0,66	113,8	102,8	111,0	102,6	107,6	124,0
Non-metallic mineral products	2,52	84,9	85,8	101,3	89,3	93,1	88,7
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,69	111,2	103,9	104,7	100,2	100,6	100,3
Basic iron and steel products	3,57	122,4	124,5	118,1	103,9	91,6	90,4
Non-ferrous metal products	2,58	108,6	107,8	111,0	103,2	102,8	100,7
Structural metal products	1,99	86,1	86,0	89,7	90,3	95,1	96,0
Other fabricated metal products	3,79	112,2	109,3	107,7	99,7	107,8	107,0
General purpose machinery	2,58	100,5	99,3	101,0	102,1	100,3	105,3
Special purpose machinery	3,41	128,1	90,5	95,2	100,7	104,9	99,6
Household appliances	0,77	88,6	88,6	100,7	91,8	96,9	109,0
Electrical machinery	1,64	96,3	77,2	85,5	83,9	84,7	88,0
Radio, television and communication apparatus and professional equipment	1,54	98,4	81,8	85,5	83,4	88,3	92,3
Radio, television and communication apparatus	0,90	99,7	86,6	94,3	82,1	92,4	99,7
Professional equipment	0,64	96,7	75,1	73,2	85,1	82,5	81,9
Motor vehicles, parts and accessories and other transport equipment	7,56	106,6	101,8	109,1	108,0	122,0	124,8
Motor vehicles	2,82	109,3	103,6	107,7	111,0	124,2	132,5
Bodies for motor vehicles, trailers and semi-trailers	0,47	111,6	118,7	122,8	117,5	120,3	121,4
Parts and accessories	3,04	110,9	111,5	124,4	113,2	139,7	134,9
Other transport equipment	1,23	88,1	67,3	69,5	84,7	73,9	83,7
Furniture and other manufacturing	3,11	86,1	83,6	92,8	92,8	102,8	94,9
Furniture	1,07	78,4	79,9	94,9	82,6	84,6	86,7
Other manufacturing groups	2,04	90,1	85,5	91,7	98,1	112,4	99,3
Total	100	101,0	96,5	103,2	98,7	102,4	105,0

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: 2015=100)

Manufacturing division and major group	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19
Food and beverages	0,7	3,9	6,4	2,9	7,0	3,5
Meat, fish, fruit, etc.	2,2	9,4	2,3	-2,7	2,3	-2,3
Dairy products	5,9	16,7	23,0	9,4	13,0	10,2
Grain mill products	-5,0	-0,7	-2,5	-3,4	4,2	-2,0
Other food products	-3,7	-7,1	7,5	10,0	8,6	5,9
Beverages	5,4	12,8	8,3	-1,3	9,7	6,9
Textiles, clothing, leather and footwear	-6,1	-3,7	-2,7	-9,8	0,1	-1,2
Textiles	-10,8	-9,3	-4,8	-13,6	-2,3	-2,8
Other textile products	-13,8	-2,7	-9,4	-14,6	-12,5	-10,5
Knitted, crocheted articles	-11,4	-15,0	-10,9	-7,7	-15,3	-12,5
Wearing apparel	-2,0	-5,3	2,4	-11,6	0,8	6,9
Leather and leather products	-3,5	-3,8	-6,9	-13,7	-6,7	-20,5
Footwear	4,6	20,5	8,1	15,9	36,4	17,1
Wood and wood products, paper, publishing and printing	-2,5	-0,2	-3,4	-4,8	-4,7	-7,3
Sawmilling and planing of wood	-9,2	6,0	-8,1	-7,1	-0,4	-10,1
Products of wood	-11,3	-4,6	1,9	-8,6	-4,7	-0,4
Paper and paper products	9,5	1,8	-1,2	-0,5	-2,6	-8,6
Publishing	-4,3	-9,7	-12,9	-6,3	-14,1	-14,6
Printing, recorded media	-5,6	1,7	-5,7	-5,4	-7,9	-6,1
Petroleum, chemical products, rubber and plastic products	6,4	1,4	0,9	-8,0	-7,1	-4,1
Coke, petroleum products and nuclear fuel	33,0	2,3	16,7	-12,6	-17,0	-3,3
Basic chemicals	-20,6	-9,5	-17,1	-11,5	-3,0	-5,7
Other chemical products	-4,5	2,4	-5,7	-4,4	-3,9	-5,3
Rubber products	0,2	-4,4	2,5	1,0	7,7	-4,0
Plastic products	6,9	15,6	2,1	0,2	4,1	-1,0
Glass and non-metallic mineral products	-5,4	-3,6	0,9	-12,6	-7,6	-9,4
Glass and glass products	20,2	6,1	4,7	-4,6	1,4	6,5
Non-metallic mineral products	-12,0	-6,2	-0,2	-14,9	-10,0	-14,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	3,0	9,9	-2,5	-5,3	-4,4	-7,0
Basic iron and steel products	1,6	8,4	-6,3	-10,7	-15,2	-19,7
Non-ferrous metal products	-1,2	10,8	-0,2	-1,9	0,1	-12,1
Structural metal products	-2,4	17,6	-5,6	-7,1	-5,6	4,3
Other fabricated metal products	4,5	13,1	-4,8	-6,5	-3,8	-5,8
General purpose machinery	0,5	13,9	0,4	-3,7	-0,5	3,7
Special purpose machinery	12,6	2,5	1,8	-1,9	-2,3	-8,0
Household appliances	-11,1	1,3	3,9	2,1	14,5	14,7
Electrical machinery	-4,4	7,1	-1,8	-6,7	-0,2	-1,7
Radio, television and communication apparatus and professional equipment	1,0	-3,9	-7,3	-5,2	-7,4	-5,7
Radio, television and communication apparatus	0,5	0,3	-0,6	-6,7	-6,5	-6,8
Professional equipment	1,9	-10,1	-17,3	-3,3	-9,0	-4,0
Motor vehicles, parts and accessories and other transport equipment	-6,8	18,8	-5,1	-0,6	9,0	10,9
Motor vehicles	8,3	34,2	-5,0	8,6	8,3	14,5
Bodies for motor vehicles, trailers and semi-trailers	-6,5	16,4	0,2	4,8	0,8	3,2
Parts and accessories	-8,9	11,3	-1,0	-1,6	18,0	12,7
Other transport equipment	-29,6	6,7	-22,3	-20,8	-14,4	-2,2
Furniture and other manufacturing	3,4	6,9	-3,1	-5,7	-1,1	-4,1
Furniture	-9,8	-5,0	-5,0	-12,3	-9,1	-8,6
Other manufacturing groups	10,7	13,8	-2,1	-2,6	2,6	-1,9
Total	1,0	4,7	0,4	-3,6	-0,7	-1,8

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	Weights	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19
Food and beverages	26,64	0,2	1,1	1,7	0,8	1,9	1,0
Meat, fish, fruit, etc.	6,69	0,1	0,6	0,2	-0,2	0,1	-0,2
Dairy products	2,15	0,1	0,4	0,5	0,2	0,3	0,2
Grain mill products	3,37	-0,2	0,0	-0,1	-0,1	0,1	-0,1
Other food products	8,14	-0,3	-0,7	0,7	1,0	0,8	0,6
Beverages	6,29	0,4	0,8	0,5	-0,1	0,5	0,4
Textiles, clothing, leather and footwear	3,12	-0,2	-0,1	-0,1	-0,3	0,0	0,0
Textiles	0,78	-0,1	-0,1	0,0	-0,1	0,0	0,0
Other textile products	0,40	-0,1	0,0	0,0	-0,1	0,0	0,0
Knitted, crocheted articles	0,09	0,0	0,0	0,0	0,0	0,0	0,0
Wearing apparel	1,04	0,0	0,0	0,0	-0,1	0,0	0,1
Leather and leather products	0,46	0,0	0,0	0,0	-0,1	0,0	-0,1
Footwear	0,35	0,0	0,1	0,0	0,0	0,1	0,1
Wood and wood products, paper, publishing and printing	11,45	-0,3	0,0	-0,4	-0,5	-0,5	-0,8
Sawmilling and planing of wood	1,73	-0,2	0,1	-0,2	-0,1	0,0	-0,2
Products of wood	2,57	-0,3	-0,1	0,0	-0,2	-0,1	0,0
Paper and paper products	4,14	0,4	0,1	0,0	0,0	-0,1	-0,4
Publishing	1,43	0,0	-0,1	-0,1	-0,1	-0,2	-0,2
Printing, recorded media	1,58	-0,1	0,0	-0,1	-0,1	-0,1	-0,1
Petroleum, chemical products, rubber and plastic products	23,07	1,4	0,3	0,2	-1,8	-1,6	-0,9
Coke, petroleum products and nuclear fuel	8,67	2,3	0,2	1,3	-1,0	-1,5	-0,3
Basic chemicals	4,29	-0,9	-0,4	-0,8	-0,5	-0,1	-0,2
Other chemical products	6,19	-0,3	0,1	-0,3	-0,3	-0,2	-0,3
Rubber products	1,24	0,0	-0,1	0,0	0,0	0,1	0,0
Plastic products	2,68	0,2	0,4	0,1	0,0	0,1	0,0
Glass and non-metallic mineral products	3,18	-0,2	-0,1	0,0	-0,4	-0,2	-0,3
Glass and glass products	0,66	0,1	0,0	0,0	0,0	0,0	0,0
Non-metallic mineral products	2,52	-0,3	-0,2	0,0	-0,4	-0,3	-0,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,69	0,6	1,9	-0,5	-1,0	-0,8	-1,3
Basic iron and steel products	3,57	0,1	0,4	-0,3	-0,4	-0,6	-0,7
Non-ferrous metal products	2,58	0,0	0,3	0,0	-0,1	0,0	-0,3
Structural metal products	1,99	0,0	0,3	-0,1	-0,1	-0,1	0,1
Other fabricated metal products	3,79	0,2	0,5	-0,2	-0,3	-0,2	-0,2
General purpose machinery	2,58	0,0	0,3	0,0	-0,1	0,0	0,1
Special purpose machinery	3,41	0,5	0,1	0,1	-0,1	-0,1	-0,3
Household appliances	0,77	-0,1	0,0	0,0	0,0	0,1	0,1
Electrical machinery	1,64	-0,1	0,1	0,0	-0,1	0,0	0,0
Radio, television and communication apparatus and professional equipment	1,54	0,0	-0,1	-0,1	-0,1	-0,1	-0,1
Radio, television and communication apparatus	0,90	0,0	0,0	0,0	-0,1	-0,1	-0,1
Professional equipment	0,64	0,0	-0,1	-0,1	0,0	-0,1	0,0
Motor vehicles, parts and accessories and other transport equipment	7,56	-0,6	1,3	-0,4	-0,1	0,7	0,9
Motor vehicles	2,82	0,2	0,8	-0,2	0,2	0,3	0,4
Bodies for motor vehicles, trailers and semi-trailers	0,47	0,0	0,1	0,0	0,0	0,0	0,0
Parts and accessories	3,04	-0,3	0,4	0,0	-0,1	0,6	0,4
Other transport equipment	1,23	-0,5	0,1	-0,2	-0,3	-0,1	0,0
Furniture and other manufacturing	3,11	0,1	0,2	-0,1	-0,2	0,0	-0,1
Furniture	1,07	-0,1	0,0	-0,1	-0,1	-0,1	-0,1
Other manufacturing groups	2,04	0,2	0,2	0,0	-0,1	0,1	0,0
Total	100	1,0	4,7	0,4	-3,6	-0,7	-1,8

Table 7 – Seasonally adjusted index of the volume of manufacturing production by division and major group (Base: 2015=100)

Manufacturing division and major group	Weights	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Month-on-month % change
Food and beverages	26,64	107,3	110,7	111,0	111,0	111,0	0,0
Meat, fish, fruit, etc.	6,69	104,8	104,6	103,4	104,1	103,7	-0,4
Dairy products	2,15	118,1	124,6	115,8	116,7	116,5	-0,2
Grain mill products	3,37	98,9	96,3	97,2	99,5	98,1	-1,4
Other food products	8,14	106,2	118,9	126,0	119,7	120,2	0,4
Beverages	6,29	112,1	109,5	105,6	111,2	111,9	0,6
Textiles, clothing, leather and footwear	3,12	90,4	88,1	87,0	90,8	91,0	0,2
Textiles	0,78	95,5	95,3	96,8	103,7	99,3	-4,2
Other textile products	0,40	100,7	91,6	91,3	89,2	92,1	3,3
Knitted, crocheted articles	0,09	84,0	84,3	88,8	81,4	84,0	3,2
Wearing apparel	1,04	84,8	84,1	76,6	85,3	88,6	3,9
Leather and leather products	0,46	76,9	76,3	72,9	75,0	70,3	-6,3
Footwear	0,35	103,2	96,9	109,8	103,5	107,9	4,3
Wood and wood products, paper, publishing and printing	11,45	95,9	94,8	95,0	95,3	93,9	-1,5
Sawmilling and planing of wood	1,73	101,4	98,9	99,2	102,1	96,7	-5,3
Products of wood	2,57	98,6	104,8	99,4	99,9	101,8	1,9
Paper and paper products	4,14	99,2	97,0	98,2	98,6	96,3	-2,3
Publishing	1,43	76,7	72,8	77,8	76,5	74,4	-2,7
Printing, recorded media	1,58	94,4	88,4	90,6	88,7	89,1	0,5
Petroleum, chemical products, rubber and plastic products	23,07	101,8	99,2	91,0	92,2	97,8	6,1
Coke, petroleum products and nuclear fuel	8,67	108,5	104,7	83,7	84,7	101,5	19,8
Basic chemicals	4,29	89,6	90,6	89,0	91,4	91,7	0,3
Other chemical products	6,19	96,8	93,2	93,9	93,6	93,8	0,2
Rubber products	1,24	99,7	102,5	98,5	105,6	95,6	-9,5
Plastic products	2,68	112,5	107,2	107,7	108,2	106,0	-2,0
Glass and non-metallic mineral products	3,18	95,8	96,5	88,2	88,7	89,8	1,2
Glass and glass products	0,66	113,9	114,0	103,8	108,5	114,2	5,3
Non-metallic mineral products	2,52	91,1	91,9	84,1	83,5	83,4	-0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,69	108,8	100,6	98,9	98,5	97,7	-0,8
Basic iron and steel products	3,57	119,7	106,8	103,6	99,4	96,5	-2,9
Non-ferrous metal products	2,58	108,1	105,5	104,0	102,3	98,6	-3,6
Structural metal products	1,99	97,7	85,3	85,8	88,0	90,2	2,5
Other fabricated metal products	3,79	114,7	102,0	100,8	100,3	101,3	1,0
General purpose machinery	2,58	106,6	98,1	97,7	97,1	99,1	2,1
Special purpose machinery	3,41	102,8	100,2	98,0	99,3	95,6	-3,7
Household appliances	0,77	95,2	98,2	92,9	99,9	105,6	5,7
Electrical machinery	1,64	86,5	81,3	81,4	81,8	83,9	2,6
Radio, television and communication apparatus and professional equipment	1,54	92,4	89,7	88,2	88,0	88,5	0,6
Radio, television and communication apparatus	0,90	100,2	99,6	90,7	92,2	91,3	-1,0
Professional equipment	0,64	81,5	75,8	84,6	82,2	84,6	2,9
Motor vehicles, parts and accessories and other transport equipment	7,56	109,0	100,9	108,3	113,2	116,3	2,7
Motor vehicles	2,82	114,4	95,7	109,2	110,8	116,3	5,0
Bodies for motor vehicles, trailers and semi-trailers	0,47	121,5	110,7	120,1	111,8	113,6	1,6
Parts and accessories	3,04	112,5	114,1	119,4	129,3	130,3	0,8
Other transport equipment	1,23	83,5	76,7	74,0	79,7	82,9	4,0
Furniture and other manufacturing	3,11	103,5	95,2	92,4	95,3	94,4	-0,9
Furniture	1,07	89,5	93,0	84,1	83,3	83,6	0,4
Other manufacturing groups	2,04	110,9	96,3	96,7	101,7	100,0	-1,7
Total	100	103,6	101,2	99,2	100,0	101,3	1,3

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

Month	2013	2014	2015	2016	2017	2018	2019 ¹
Jan	119 905	134 022	133 473	137 588	147 728	154 687	169 331
Feb	136 157	151 015	148 453	160 923	163 040	173 909	184 231
Mar	142 449	156 523	167 441	169 906	182 917	185 238	201 129
Apr	137 911	148 251	147 271	160 631	158 360	165 218	189 590
May	146 004	153 108	158 343	173 256	179 649	191 930	199 608
Jun	143 954	161 108	163 277	177 291	183 043	191 836	199 593
Jul	151 230	150 687	163 881	170 938	174 766	193 760	202 836
Aug	148 680	161 424	161 763	177 283	186 082	201 305	211 453
Sep	145 062	168 001	172 491	184 513	188 393	204 075	
Oct	161 716	181 283	178 929	183 891	197 103	220 644	
Nov	167 607	176 286	179 830	195 991	213 656	225 502	
Dec	144 491	152 737	155 988	163 327	173 384	182 375	
Total	1 745 166	1 894 445	1 931 140	2 055 538	2 148 121	2 290 479	

¹ The latest three months are preliminary.

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

Month	2014	2015	2016	2017	2018	2019	2019 year-to-date
Jan	11,8	-0,4	3,1	7,4	4,7	9,5	9,5
Feb	10,9	-1,7	8,4	1,3	6,7	5,9	7,6
Mar	9,9	7,0	1,5	7,7	1,3	8,6	8,0
Apr	7,5	-0,7	9,1	-1,4	4,3	14,8	9,6
May	4,9	3,4	9,4	3,7	6,8	4,0	8,4
Jun	11,9	1,3	8,6	3,2	4,8	4,0	7,6
Jul	-0,4	8,8	4,3	2,2	10,9	4,7	7,1
Aug	8,6	0,2	9,6	5,0	8,2	5,0	6,9
Sep	15,8	2,7	7,0	2,1	8,3		
Oct	12,1	-1,3	2,8	7,2	11,9		
Nov	5,2	2,0	9,0	9,0	5,5		
Dec	5,7	2,1	4,7	6,2	5,2		
Total	8,6	1,9	6,4	4,5	6,6		

Table 10 – Seasonally adjusted manufacturing sales at current prices

Month	R million				Month-on-month % change			
	2016	2017	2018	2019	2016	2017	2018	2019
Jan	165 245	175 314	182 270	198 587	1,5	1,9	-1,6	1,8
Feb	169 042	173 363	185 194	196 070	2,3	-1,1	1,6	-1,3
Mar	167 931	175 823	185 036	198 695	-0,7	1,4	-0,1	1,3
Apr	170 203	176 184	176 974	204 570	1,4	0,2	-4,4	3,0
May	173 798	178 189	190 211	197 429	2,1	1,1	7,5	-3,5
Jun	174 158	178 216	189 180	200 776	0,2	0,0	-0,5	1,7
Jul	172 728	177 851	194 197	201 128	-0,8	-0,2	2,7	0,2
Aug	171 367	179 556	193 155	204 890	-0,8	1,0	-0,5	1,9
Sep	173 083	179 005	198 139		1,0	-0,3	2,6	
Oct	169 699	179 521	199 765		-2,0	0,3	0,8	
Nov	172 771	189 099	198 014		1,8	5,3	-0,9	
Dec	172 072	185 249	195 033		-0,4	-2,0	-1,5	

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

Manufacturing division and major group	Mar-19	Apr-19	May-19	¹ Jun-19	¹ Jul-19	¹ Aug-19
Food and beverages	45 616	44 989	45 439	43 847	45 298	48 697
Meat, fish, fruit, etc.	12 797	12 469	12 810	12 629	12 910	13 499
Dairy products	4 353	4 192	4 196	3 941	4 142	4 377
Grain mill products	6 592	6 352	6 689	6 482	7 023	6 928
Other food products	8 449	9 811	9 489	9 438	9 858	10 710
Beverages	13 425	12 165	12 254	11 357	11 364	13 184
Textiles, clothing, leather and footwear	5 140	4 893	5 217	4 889	5 307	5 476
Textiles	685	634	735	664	735	706
Other textile products	1 558	1 519	1 661	1 527	1 606	1 703
Knitted, crocheted articles	247	243	244	233	227	223
Wearing apparel	1 573	1 503	1 523	1 388	1 731	1 782
Leather and leather products	567	520	572	537	472	489
Footwear	511	474	481	539	537	573
Wood and wood products, paper, publishing and printing	13 744	11 877	13 321	14 037	13 787	13 768
Sawmilling and planing of wood	933	986	965	893	954	942
Products of wood	1 908	1 800	1 957	2 077	1 857	1 970
Paper and paper products	7 042	5 728	6 735	7 187	6 695	6 787
Publishing	1 275	1 166	1 152	1 364	1 506	1 405
Printing, recorded media	2 587	2 197	2 513	2 517	2 775	2 664
Petroleum, chemical products, rubber and plastic products	39 372	39 175	40 890	40 674	40 578	42 089
Coke, petroleum products and nuclear fuel	12 423	13 662	12 983	13 791	13 641	13 130
Basic chemicals	8 119	7 822	9 139	8 566	8 136	9 256
Other chemical products	11 567	10 574	11 500	11 236	11 100	12 036
Rubber products	1 535	1 355	1 650	1 475	1 589	1 511
Plastic products	5 728	5 761	5 619	5 606	6 113	6 156
Glass and non-metallic mineral products	5 389	5 227	6 114	5 603	5 945	5 934
Glass and glass products	1 001	958	1 035	943	1 068	1 083
Non-metallic mineral products	4 389	4 269	5 079	4 660	4 876	4 851
Basic iron and steel, non-ferrous metal products, metal products and machinery	49 121	43 807	46 270	47 541	47 258	47 291
Basic iron and steel products	12 561	10 571	11 742	12 376	10 016	10 253
Non-ferrous metal products	15 066	14 010	14 374	14 997	16 174	15 969
Structural metal products	3 197	3 096	3 241	3 310	3 475	3 471
Other fabricated metal products	6 735	6 626	6 589	6 224	6 959	6 895
General purpose machinery	4 065	3 791	4 017	4 211	3 966	4 226
Special purpose machinery	6 235	4 614	5 126	5 233	5 500	5 350
Household appliances	1 263	1 100	1 181	1 191	1 168	1 127
Electrical machinery	5 464	4 390	4 741	4 682	4 791	4 889
Radio, television and communication apparatus and professional equipment	2 202	1 854	2 022	1 916	2 031	2 162
Radio, television and communication apparatus	1 130	899	1 105	897	1 027	1 151
Professional equipment	1 072	955	917	1 019	1 004	1 011
Motor vehicles, parts and accessories and other transport equipment	28 297	26 504	28 378	29 347	30 236	33 611
Motor vehicles	15 348	15 884	17 052	17 609	17 745	20 729
Bodies for motor vehicles, trailers and semi-trailers	1 287	1 316	1 295	1 293	1 346	1 324
Parts and accessories	8 832	7 113	7 756	7 659	8 720	8 804
Other transport equipment	2 830	2 191	2 275	2 785	2 424	2 755
Furniture and other manufacturing	6 784	6 875	7 216	7 057	7 604	7 536
Furniture	1 271	1 277	1 436	1 353	1 394	1 427
Other manufacturing groups	5 513	5 598	5 779	5 704	6 210	6 108
Total	201 129	189 590	199 608	199 593	202 836	211 453

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	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19
Food and beverages	6,9	10,7	8,6	4,5	9,5	5,9
Meat, fish, fruit, etc.	6,4	14,8	4,3	2,6	6,4	6,3
Dairy products	10,2	17,5	11,3	6,5	13,3	11,5
Grain mill products	9,3	16,3	11,9	8,9	14,8	11,0
Other food products	4,6	-4,8	10,0	4,9	9,1	-2,3
Beverages	6,6	16,5	9,4	3,4	9,0	8,4
Textiles, clothing, leather and footwear	-0,6	-3,2	-1,5	-4,2	0,9	-0,4
Textiles	-3,7	-9,8	-1,3	-10,6	0,8	-3,3
Other textile products	-3,8	-2,9	-5,3	-8,0	-4,2	-3,0
Knitted, crocheted articles	-5,7	-6,9	-6,9	-6,0	-9,9	-8,2
Wearing apparel	-0,8	-0,3	0,6	-2,5	5,2	4,1
Leather and leather products	-1,2	-14,2	-7,4	-11,7	-9,2	-16,6
Footwear	21,4	15,3	20,0	26,8	22,3	22,2
Wood and wood products, paper, publishing and printing	9,5	5,1	3,0	2,8	2,2	-4,7
Sawmilling and planing of wood	-0,2	23,1	-5,9	-2,5	-0,2	-6,0
Products of wood	-6,0	5,3	3,2	-3,7	-0,1	-2,5
Paper and paper products	21,5	2,7	6,7	6,9	5,6	-5,5
Publishing	4,0	0,1	-7,5	-0,7	-3,8	-9,8
Printing, recorded media	1,0	7,1	2,8	1,5	0,0	-0,7
Petroleum, chemical products, rubber and plastic products	5,3	14,6	-0,6	2,3	-3,1	-0,7
Coke, petroleum products and nuclear fuel	11,9	18,3	-4,7	7,5	-8,2	-8,4
Basic chemicals	-3,8	17,4	-0,5	-2,5	-6,9	3,1
Other chemical products	4,3	6,5	0,8	0,7	-0,2	3,8
Rubber products	2,1	8,1	9,9	5,1	9,1	3,5
Plastic products	8,8	20,1	3,5	0,6	7,0	2,1
Glass and non-metallic mineral products	-4,3	1,3	0,3	-3,6	0,6	-2,3
Glass and glass products	18,2	13,1	3,6	0,4	15,6	5,7
Non-metallic mineral products	-8,2	-1,0	-0,3	-4,4	-2,2	-3,9
Basic iron and steel, non-ferrous metal products, metal products and machinery	17,2	18,6	6,8	8,2	5,5	5,0
Basic iron and steel products	9,0	6,1	-3,3	1,3	-16,4	-10,2
Non-ferrous metal products	42,2	37,6	22,7	23,6	30,1	22,2
Structural metal products	7,4	25,6	-1,2	3,1	1,7	4,6
Other fabricated metal products	8,7	15,5	-0,2	0,2	4,4	0,0
General purpose machinery	5,6	17,5	6,0	5,0	5,4	10,6
Special purpose machinery	10,9	5,7	9,3	3,3	0,5	-2,1
Household appliances	10,0	11,1	5,4	8,7	12,5	5,8
Electrical machinery	4,3	7,1	-2,1	-4,9	2,2	-1,3
Radio, television and communication apparatus and professional equipment	1,9	-2,5	-5,1	-3,9	-4,0	-1,3
Radio, television and communication apparatus	6,1	0,0	4,7	-8,9	-2,6	-1,5
Professional equipment	-2,1	-4,7	-14,8	1,1	-5,5	-1,1
Motor vehicles, parts and accessories and other transport equipment	8,4	33,6	4,4	7,7	12,8	23,9
Motor vehicles	15,0	49,5	13,8	13,3	18,5	40,4
Bodies for motor vehicles, trailers and semi-trailers	9,0	32,9	5,4	11,3	8,2	5,3
Parts and accessories	13,4	13,1	-5,5	4,6	10,5	4,7
Other transport equipment	-25,3	13,5	-17,4	-13,9	-10,2	2,3
Furniture and other manufacturing	6,2	12,6	1,5	-5,4	2,2	-0,6
Furniture	-5,8	-2,4	-4,1	-7,3	-3,5	-3,9
Other manufacturing groups	9,5	16,8	2,9	-4,9	3,5	0,1
Total	8,6	14,8	4,0	4,0	4,7	5,0

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	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19
Food and beverages	1,6	2,6	1,9	1,0	2,0	1,3
Meat, fish, fruit, etc.	0,4	1,0	0,3	0,2	0,4	0,4
Dairy products	0,2	0,4	0,2	0,1	0,3	0,2
Grain mill products	0,3	0,5	0,4	0,3	0,5	0,3
Other food products	0,2	-0,3	0,4	0,2	0,4	-0,1
Beverages	0,4	1,0	0,5	0,2	0,5	0,5
Textiles, clothing, leather and footwear	0,0	-0,1	0,0	-0,1	0,0	0,0
Textiles	0,0	0,0	0,0	0,0	0,0	0,0
Other textile products	0,0	0,0	0,0	-0,1	0,0	0,0
Knitted, crocheted articles	0,0	0,0	0,0	0,0	0,0	0,0
Wearing apparel	0,0	0,0	0,0	0,0	0,0	0,0
Leather and leather products	0,0	-0,1	0,0	0,0	0,0	0,0
Footwear	0,0	0,0	0,0	0,1	0,1	0,1
Wood and wood products, paper, publishing and printing	0,6	0,3	0,2	0,2	0,2	-0,3
Sawmilling and planing of wood	0,0	0,1	0,0	0,0	0,0	0,0
Products of wood	-0,1	0,1	0,0	0,0	0,0	0,0
Paper and paper products	0,7	0,1	0,2	0,2	0,2	-0,2
Publishing	0,0	0,0	0,0	0,0	0,0	-0,1
Printing, recorded media	0,0	0,1	0,0	0,0	0,0	0,0
Petroleum, chemical products, rubber and plastic products	1,1	3,0	-0,1	0,5	-0,7	-0,1
Coke, petroleum products and nuclear fuel	0,7	1,3	-0,3	0,5	-0,6	-0,6
Basic chemicals	-0,2	0,7	0,0	-0,1	-0,3	0,1
Other chemical products	0,3	0,4	0,0	0,0	0,0	0,2
Rubber products	0,0	0,1	0,1	0,0	0,1	0,0
Plastic products	0,3	0,6	0,1	0,0	0,2	0,1
Glass and non-metallic mineral products	-0,1	0,0	0,0	-0,1	0,0	-0,1
Glass and glass products	0,1	0,1	0,0	0,0	0,1	0,0
Non-metallic mineral products	-0,2	0,0	0,0	-0,1	-0,1	-0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	3,9	4,2	1,5	1,9	1,3	1,1
Basic iron and steel products	0,6	0,4	-0,2	0,1	-1,0	-0,6
Non-ferrous metal products	2,4	2,3	1,4	1,5	1,9	1,4
Structural metal products	0,1	0,4	0,0	0,1	0,0	0,1
Other fabricated metal products	0,3	0,5	0,0	0,0	0,2	0,0
General purpose machinery	0,1	0,3	0,1	0,1	0,1	0,2
Special purpose machinery	0,3	0,2	0,2	0,1	0,0	-0,1
Household appliances	0,1	0,1	0,0	0,0	0,1	0,0
Electrical machinery	0,1	0,2	-0,1	-0,1	0,1	0,0
Radio, television and communication apparatus and professional equipment	0,0	0,0	-0,1	0,0	0,0	0,0
Radio, television and communication apparatus	0,0	0,0	0,0	0,0	0,0	0,0
Professional equipment	0,0	0,0	-0,1	0,0	0,0	0,0
Motor vehicles, parts and accessories and other transport equipment	1,2	4,0	0,6	1,1	1,8	3,2
Motor vehicles	1,1	3,2	1,1	1,1	1,4	3,0
Bodies for motor vehicles, trailers and semi-trailers	0,1	0,2	0,0	0,1	0,1	0,0
Parts and accessories	0,6	0,5	-0,2	0,2	0,4	0,2
Other transport equipment	-0,5	0,2	-0,2	-0,2	-0,1	0,0
Furniture and other manufacturing	0,2	0,5	0,1	-0,2	0,1	0,0
Furniture	0,0	0,0	0,0	-0,1	0,0	0,0
Other manufacturing groups	0,3	0,5	0,1	-0,2	0,1	0,0
Total	8,6	14,8	4,0	4,0	4,7	5,0

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

Manufacturing division and major group	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Month-on-month % change
Food and beverages	47 104	46 868	46 501	47 118	48 196	2,3
Meat, fish, fruit, etc.	12 960	12 863	12 979	12 923	13 324	3,1
Dairy products	4 363	4 297	4 213	4 352	4 356	0,1
Grain mill products	6 691	6 582	6 599	6 738	6 824	1,3
Other food products	9 680	9 602	9 540	9 765	9 971	2,1
Beverages	13 409	13 523	13 171	13 340	13 721	2,9
Textiles, clothing, leather and footwear	5 111	5 085	5 148	5 197	5 205	0,2
Textiles	674	676	694	716	695	-2,9
Other textile products	1 552	1 542	1 584	1 562	1 592	1,9
Knitted, crocheted articles	231	214	233	222	223	0,5
Wearing apparel	1 593	1 565	1 527	1 617	1 622	0,3
Leather and leather products	538	548	534	523	501	-4,2
Footwear	523	540	574	557	572	2,7
Wood and wood products, paper, publishing and printing	13 995	13 675	13 938	13 912	13 415	-3,6
Sawmilling and planing of wood	1 118	904	892	924	887	-4,0
Products of wood	1 954	1 944	1 944	1 909	1 893	-0,8
Paper and paper products	6 813	6 890	6 934	6 997	6 700	-4,2
Publishing	1 392	1 295	1 408	1 419	1 358	-4,3
Printing, recorded media	2 718	2 642	2 760	2 662	2 577	-3,2
Petroleum, chemical products, rubber and plastic products	42 706	39 831	41 322	39 665	40 725	2,7
Coke, petroleum products and nuclear fuel	14 443	12 436	13 572	12 924	12 711	-1,6
Basic chemicals	8 695	8 786	8 855	8 027	9 128	13,7
Other chemical products	11 773	11 319	11 511	11 276	11 453	1,6
Rubber products	1 487	1 537	1 473	1 506	1 454	-3,5
Plastic products	6 307	5 754	5 911	5 931	5 979	0,8
Glass and non-metallic mineral products	5 700	5 690	5 576	5 591	5 542	-0,9
Glass and glass products	1 104	1 072	1 000	1 091	1 052	-3,6
Non-metallic mineral products	4 596	4 618	4 576	4 500	4 490	-0,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	46 697	44 749	46 129	46 707	46 408	-0,6
Basic iron and steel products	10 894	10 994	11 444	10 596	10 575	-0,2
Non-ferrous metal products	14 769	14 141	14 886	16 308	15 787	-3,2
Structural metal products	3 559	3 116	3 195	3 200	3 258	1,8
Other fabricated metal products	7 070	6 222	6 349	6 452	6 444	-0,1
General purpose machinery	4 067	3 906	3 888	3 921	3 993	1,8
Special purpose machinery	5 149	5 221	5 196	5 057	5 200	2,8
Household appliances	1 189	1 149	1 172	1 174	1 151	-2,0
Electrical machinery	4 831	4 676	4 510	4 686	4 674	-0,3
Radio, television and communication apparatus and professional equipment	2 090	2 057	2 016	2 039	2 062	1,1
Radio, television and communication apparatus	1 089	1 149	1 005	1 042	1 044	0,2
Professional equipment	1 001	908	1 011	997	1 018	2,1
Motor vehicles, parts and accessories and other transport equipment	29 014	27 690	28 646	28 970	31 354	8,2
Motor vehicles	17 335	16 837	17 076	17 129	19 334	12,9
Bodies for motor vehicles, trailers and semi-trailers	1 389	1 124	1 316	1 232	1 266	2,8
Parts and accessories	7 796	7 214	7 806	8 068	8 029	-0,5
Other transport equipment	2 493	2 515	2 448	2 540	2 726	7,3
Furniture and other manufacturing	7 321	7 108	6 992	7 243	7 309	0,9
Furniture	1 418	1 405	1 390	1 337	1 380	3,2
Other manufacturing groups	5 903	5 703	5 602	5 905	5 929	0,4
Total	204 570	197 429	200 776	201 128	204 890	1,9

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 2015. 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 <i>Standard Industrial Classification of all Economic Activities</i> (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 <i>International Standard Industrial Classification of all Economic Activities</i> (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 August 2019 was 79,4%. The improved collection rate for July 2019 was 82,2%.
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.

- Related publications** 12 Users may also wish to refer to *Stats in Brief* available from Stats SA.
- Rounding-off of figures** 13 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.
- Historical data** 14 Historical manufacturing data are available on the Stats SA webpage. Click on the following link ([Time series data](#)) to access the data electronically.
- Past publications** 15 Past manufacturing releases are available on the Stats SA webpage. Click on the following link ([Past publications](#)) to access the releases electronically.

Technical notes

- Survey methodology and design** 1 The survey is conducted monthly. Questionnaires are sent to a sample of 3 081 enterprises from a population of 49 776 manufacturing 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 on non-respondents.
- 2 A stratified random sample was drawn at the Standard Industrial Classification (SIC) three-digit level in April 2019 from Stats SA's business sampling frame (BSF). Strata were formed using a combination of the SIC and the measure of size classes for enterprises (see point 3 below).

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** 3 Each manufacturing major group is divided into four size groups. All large enterprises (size group one) are completely enumerated. Simple random sampling is applied to medium (size group two) and to small (size group three and four) 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 group two, three and four of that major group to reflect the total value of sales of the major group.

Measure of size classes (Rand)

Enterprise size	Size group	Lower limits	Upper limits
Very small	4	1 961 626	15 000 000
Small	3	15 000 001	39 000 000
Medium	2	39 000 001	153 000 000
Large	1	153 000 001	

- Sample weighting** 4 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 are consistent with international best practice.
- Index of the volume of manufacturing production** 5 The index of the 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 current base period is 2015. The production in the base period is set at 100.

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 2019	National accounts

- 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 are calculated and implemented annually.

Table E – Weights by division and major group

Manufacturing division and major group	Weights used for manufacturing indices by period		
	2015 (based on value added for 2013 – 2015)	2016 (based on value added for 2014 – 2016)	2017 – 2019 (based on value added for 2015 – 2017)
Food and beverages	25,15	25,78	26,64
Meat, fish, fruit, etc.	6,39	6,59	6,69
Dairy products	1,89	2,00	2,15
Grain mill products	2,86	3,12	3,37
Other food products	7,62	7,74	8,14
Beverages	6,39	6,33	6,29
Textiles, clothing, leather and footwear	3,28	3,21	3,12
Textiles	0,83	0,80	0,78
Other textile products	0,41	0,41	0,40
Knitted, crocheted articles	0,09	0,09	0,09
Wearing apparel	1,10	1,08	1,04
Leather and leather products	0,49	0,48	0,46
Footwear	0,36	0,35	0,35
Wood and wood products, paper, publishing and printing	11,62	11,28	11,45
Sawmilling and planing of wood	1,71	1,69	1,73
Products of wood	2,37	2,42	2,57
Paper and paper products	4,33	4,09	4,14
Publishing	1,49	1,45	1,43
Printing, recorded media	1,72	1,63	1,58
Petroleum, chemical products, rubber and plastic products	24,01	23,82	23,07
Coke, petroleum products and nuclear fuel	9,29	9,18	8,67
Basic chemicals	4,36	4,41	4,29
Other chemical products	6,16	6,15	6,19
Rubber products	1,34	1,30	1,24
Plastic products	2,86	2,78	2,68
Glass and non-metallic mineral products	3,90	3,53	3,18
Glass and glass products	0,74	0,69	0,66
Non-metallic mineral products	3,16	2,84	2,52
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,72	18,74	18,69
Basic iron and steel products	3,44	3,52	3,57
Non-ferrous metal products (including precious metals)	2,73	2,60	2,58
Structural metal products	1,86	1,92	1,99
Other fabricated metal products	3,86	3,84	3,79
General purpose machinery	2,51	2,57	2,58
Special purpose machinery	3,51	3,50	3,41
Household appliances	0,81	0,79	0,77
Electrical machinery	1,65	1,63	1,64
Radio, television and communication apparatus and professional equipment	1,61	1,59	1,54
Radio, television and communication apparatus	0,93	0,92	0,90
Professional equipment	0,68	0,67	0,64
Motor vehicles, parts and accessories and other transport equipment	6,86	7,20	7,56
Motor vehicles	2,43	2,60	2,82
Bodies for motor vehicles, trailers and semi-trailers	0,46	0,48	0,47
Parts and accessories	2,76	2,89	3,04
Other transport equipment	1,21	1,23	1,23
Furniture and other manufacturing	3,20	3,22	3,11
Furniture	1,09	1,08	1,07
Other manufacturing groups	2,11	2,14	2,04
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 June 2017 |
| 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 <i>System of National Accounts</i> (SNA) in the same way as in the <i>Standard Industrial Classification of all Economic Activities</i> (SIC), Fifth Edition, Report No. 09-90-02 of January 1993.	
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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