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STATISTICAL RELEASE

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Manufacturing: Production and sales (Preliminary)

June 2019

The results published in the next publication (July 2019) will be based on a new sample. This is an annual procedure which typically affects the level of sales. To avoid breaks in time series and to minimise revisions to historical growth rates, historical sales levels will be revised (i.e. they will be linked to the estimates based on the new sample).

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The South Africa I know, the home I understand



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Production: results for June 2019

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

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

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

Manufacturing production decreased by 3,2% in June 2019 compared with June 2018. The largest negative contributions were made by the following divisions:

- petroleum, chemical products, rubber and plastic products (-7,7% and contributing -1,7 percentage points);
- basic iron and steel, non-ferrous metal products, metal products and machinery (-5,1% and contributing -1,0 percentage point); and
- wood and wood products, paper, publishing and printing (-4,9% and contributing -0,5 of a percentage point).

The largest positive contribution was made by the food and beverages division (3,7% and contributing 1,0 percentage point) – see Tables 5 and 6.

Seasonally adjusted manufacturing production decreased by 1,5% in June 2019 compared with May 2019. This followed month-on-month changes of -1,9% in May 2019 and 2,4% in April 2019 – see Table A.

Seasonally adjusted manufacturing production increased by 0,6% in the second quarter of 2019 compared with the first quarter of 2019. Four of the ten manufacturing divisions reported positive growth rates over this period.

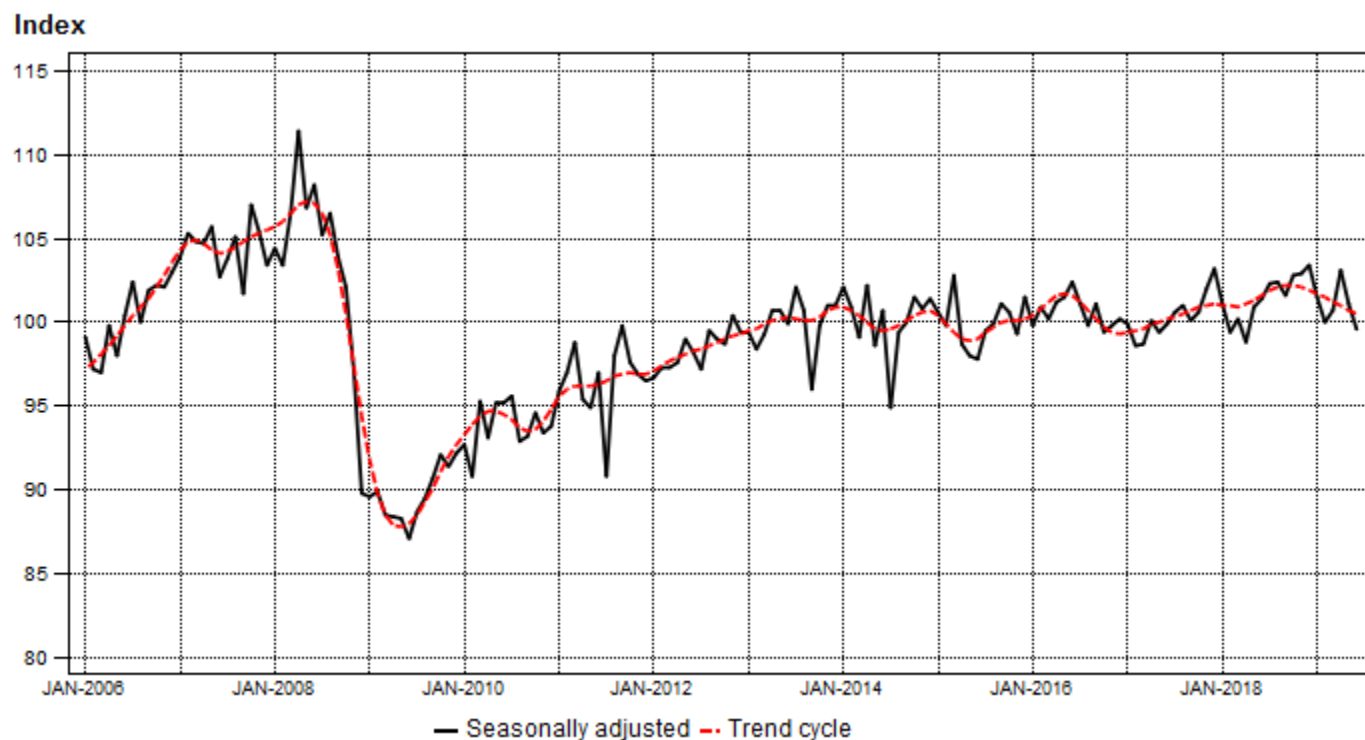
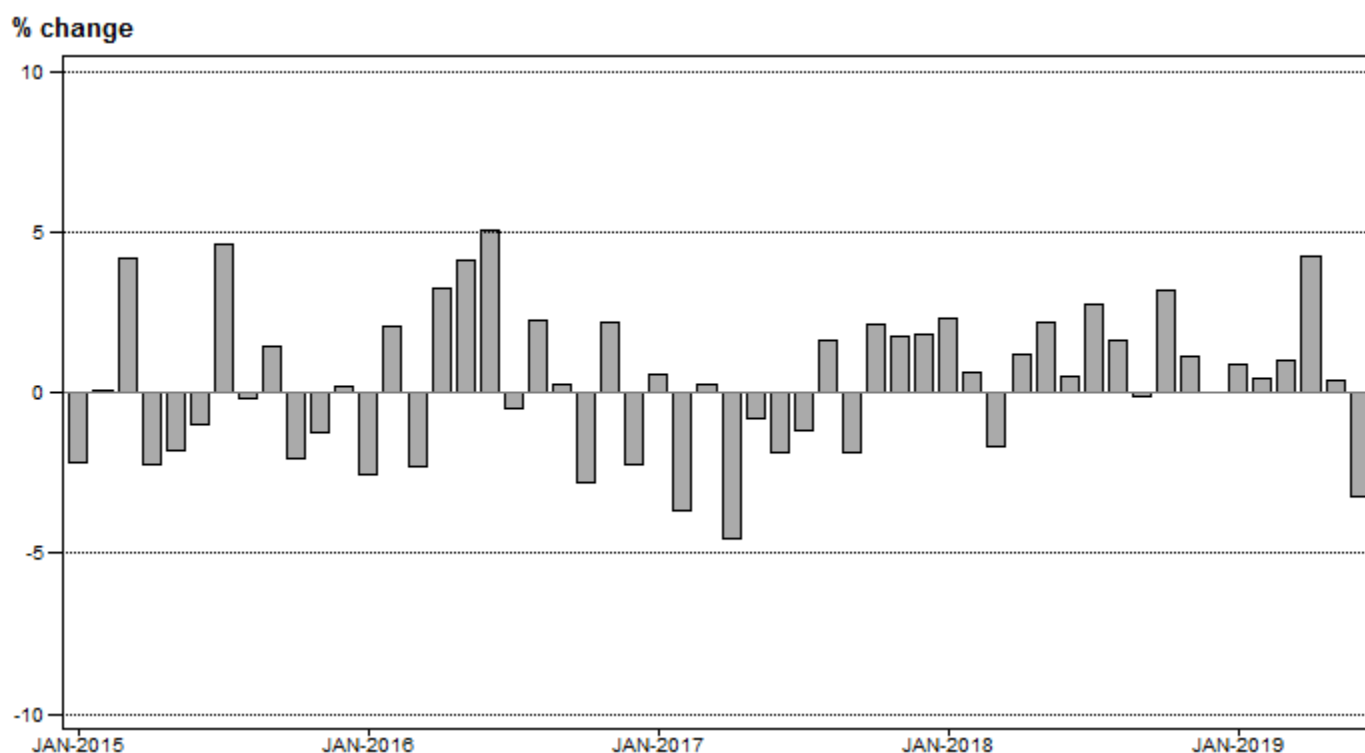
The largest positive contributions were made by the following divisions:

- food and beverages (1,6% and contributing 0,4 of a percentage point);
- basic iron and steel, non-ferrous metal products, metal products and machinery (1,3% and contributing 0,2 of a percentage point); and
- motor vehicles, parts and accessories and other transport equipment (3,4% and contributing 0,3 of a percentage point).

The largest negative contribution was made by the petroleum, chemical products, rubber and plastic products division (-1,3% 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: 2015=100)

Manufacturing division and major group	Weights	Jan – Mar 2019	Apr – Jun 2019	% change between Jan – Mar 2019 and Apr – Jun 2019	Contribution (% points) to the total % change
Food and beverages	26,64	108,0	109,7	1,6	0,4
Meat, fish, fruit, etc.	6,69	104,3	104,3	0,0	0,0
Dairy products	2,15	111,4	119,7	7,5	0,2
Grain mill products	3,37	97,2	96,8	-0,4	0,0
Other food products	8,14	111,5	117,4	5,3	0,5
Beverages	6,29	112,1	109,1	-2,7	-0,2
Textiles, clothing, leather and footwear	3,12	86,7	87,9	1,4	0,0
Textiles	0,78	93,7	95,3	1,7	0,0
Other textile products	0,40	91,2	95,1	4,3	0,0
Knitted, crocheted articles	0,09	89,7	86,7	-3,3	0,0
Wearing apparel	1,04	82,1	81,5	-0,7	0,0
Leather and leather products	0,46	76,6	73,2	-4,4	0,0
Footwear	0,35	91,7	101,9	11,1	0,0
Wood and wood products, paper, publishing and printing	11,45	95,3	95,0	-0,3	0,0
Sawmilling and planing of wood	1,73	98,1	100,0	1,9	0,0
Products of wood	2,57	99,3	99,8	0,5	0,0
Paper and paper products	4,14	98,2	97,7	-0,5	0,0
Publishing	1,43	79,2	76,4	-3,5	0,0
Printing, recorded media	1,58	92,6	91,4	-1,3	0,0
Petroleum, chemical products, rubber and plastic products	23,07	98,6	97,3	-1,3	-0,3
Coke, petroleum products and nuclear fuel	8,67	101,8	99,3	-2,5	-0,2
Basic chemicals	4,29	93,6	90,8	-3,0	-0,1
Other chemical products	6,19	95,8	93,6	-2,3	-0,1
Rubber products	1,24	94,8	99,8	5,3	0,1
Plastic products	2,68	104,7	108,6	3,7	0,1
Glass and non-metallic mineral products	3,18	94,6	94,1	-0,5	0,0
Glass and glass products	0,66	115,4	110,9	-3,9	0,0
Non-metallic mineral products	2,52	89,2	89,7	0,6	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,69	101,8	103,1	1,3	0,2
Basic iron and steel products	3,57	111,8	110,7	-1,0	0,0
Non-ferrous metal products	2,58	106,2	106,5	0,3	0,0
Structural metal products	1,99	84,2	89,0	5,7	0,1
Other fabricated metal products	3,79	105,1	105,7	0,6	0,0
General purpose machinery	2,58	92,6	100,5	8,5	0,2
Special purpose machinery	3,41	102,9	101,7	-1,2	0,0
Household appliances	0,77	95,6	95,1	-0,5	0,0
Electrical machinery	1,64	84,0	84,0	0,0	0,0
Radio, television and communication apparatus and professional equipment	1,54	93,8	90,0	-4,1	-0,1
Radio, television and communication apparatus	0,90	102,2	97,2	-4,9	0,0
Professional equipment	0,64	82,1	80,0	-2,6	0,0
Motor vehicles, parts and accessories and other transport equipment	7,56	101,5	105,0	3,4	0,3
Motor vehicles	2,82	106,5	105,5	-0,9	0,0
Bodies for motor vehicles, trailers and semi-trailers	0,47	107,7	106,1	-1,5	0,0
Parts and accessories	3,04	105,1	115,2	9,6	0,3
Other transport equipment	1,23	78,9	78,4	-0,6	0,0
Furniture and other manufacturing	3,11	98,1	96,8	-1,3	0,0
Furniture	1,07	89,0	88,8	-0,2	0,0
Other manufacturing groups	2,04	102,9	101,1	-1,7	0,0
Total	100	100,7	101,3	0,6	0,6

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 June 2019**Table C – Key growth rates in manufacturing sales at current prices**

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

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

Seasonally adjusted manufacturing sales increased by 1,6% in June 2019 compared with May 2019. This followed month-on-month changes of -3,1% in May 2019 and 2,7% in April 2019 – see Table C.

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

Manufacturing division	Jan – Mar 2019 (R million)	Apr – Jun 2019 (R million)	% change between Jan – Mar 2019 and Apr – Jun 2019	Contribution (% points) to the total % change
Food and beverages	142 984	142 516	-0,3	-0,1
Textiles, clothing, leather and footwear	13 763	13 790	0,2	0,0
Wood and wood products, paper, publishing and printing	43 520	44 013	1,1	0,1
Petroleum, chemical products, rubber and plastic products	122 260	125 108	2,3	0,5
Glass and non-metallic mineral products	16 252	16 595	2,1	0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	134 029	139 116	3,8	0,8
Electrical machinery	13 541	13 770	1,7	0,0
Radio, television and communication apparatus and professional equipment	6 268	6 095	-2,8	0,0
Motor vehicles, parts and accessories and other transport equipment	86 109	87 151	1,2	0,2
Furniture and other manufacturing	23 141	22 912	-1,0	0,0
Total	601 865	611 067	1,5	1,5

Risenga Maluleke
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	96,1
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	99,1
Jul	104,8	97,5	102,0	101,5	100,3	103,1	
Aug	103,8	101,4	101,2	103,5	105,2	106,9	
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	4,2	1,7
May	-2,6	-1,8	4,1	-0,8	2,2	0,4	1,4
Jun	1,2	-1,0	5,1	-1,8	0,5	-3,2	0,5
Jul	-7,0	4,6	-0,5	-1,2	2,8		
Aug	-2,3	-0,2	2,3	1,6	1,6		
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	99,8	99,9	101,1	101,5	-1,7	-0,3	-2,0	-1,8
Feb	100,9	98,6	99,4	100,0	1,1	-1,3	-1,7	-1,5
Mar	100,2	98,7	100,2	100,7	-0,7	0,1	0,8	0,7
Apr	101,2	100,1	98,8	103,1	1,0	1,4	-1,4	2,4
May	101,5	99,4	100,9	101,1	0,3	-0,7	2,1	-1,9
Jun	102,4	99,9	101,4	99,6	0,9	0,5	0,5	-1,5
Jul	101,1	100,6	102,3		-1,3	0,7	0,9	
Aug	99,8	101,0	102,4		-1,3	0,4	0,1	
Sep	101,1	100,1	101,6		1,3	-0,9	-0,8	
Oct	99,4	100,6	102,8		-1,7	0,5	1,2	
Nov	99,8	102,0	102,9		0,4	1,4	0,1	
Dec	100,2	103,2	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	Jan-19	Feb-19	Mar-19	¹ Apr-19	¹ May-19	¹ Jun-19
Food and beverages	26,64	94,4	95,9	102,3	101,0	112,1	110,1
Meat, fish, fruit, etc.	6,69	92,3	97,1	103,2	101,6	107,2	101,3
Dairy products	2,15	112,0	99,9	114,4	113,9	117,7	103,0
Grain mill products	3,37	90,1	89,4	96,8	93,5	97,0	95,7
Other food products	8,14	88,0	90,1	93,1	101,2	128,0	139,8
Beverages	6,29	101,4	104,4	112,0	99,9	102,8	91,3
Textiles, clothing, leather and footwear	3,12	66,7	84,6	86,3	84,9	90,1	82,7
Textiles	0,78	77,8	101,1	93,8	93,0	103,3	94,8
Other textile products	0,40	69,9	92,8	89,3	86,9	107,7	90,9
Knitted, crocheted articles	0,09	70,3	97,0	91,0	85,1	94,1	92,3
Wearing apparel	1,04	54,9	73,1	82,0	76,0	79,6	71,2
Leather and leather products	0,46	71,2	75,4	75,0	81,8	76,8	67,8
Footwear	0,35	66,8	82,2	93,2	95,3	88,4	98,2
Wood and wood products, paper, publishing and printing	11,45	83,7	91,4	94,1	84,5	92,6	95,3
Sawmilling and planing of wood	1,73	85,7	93,0	104,8	96,0	110,5	96,4
Products of wood	2,57	81,8	97,1	96,7	93,4	100,2	101,7
Paper and paper products	4,14	92,2	94,6	98,8	84,9	92,7	100,2
Publishing	1,43	63,9	76,1	71,9	63,8	67,7	76,7
Printing, recorded media	1,58	80,0	85,7	85,9	75,2	82,8	87,3
Petroleum, chemical products, rubber and plastic products	23,07	96,1	90,5	98,8	95,0	99,8	90,1
Coke, petroleum products and nuclear fuel	8,67	108,5	88,0	108,9	108,5	104,8	84,5
Basic chemicals	4,29	93,4	88,0	80,0	79,3	94,1	88,1
Other chemical products	6,19	86,2	90,3	94,0	85,8	92,1	91,7
Rubber products	1,24	85,8	102,6	104,4	85,4	114,8	99,4
Plastic products	2,68	87,9	97,9	105,0	101,8	103,4	103,1
Glass and non-metallic mineral products	3,18	71,8	89,7	90,9	88,4	100,3	96,5
Glass and glass products	0,66	95,2	105,3	113,8	102,3	111,2	103,7
Non-metallic mineral products	2,52	65,7	85,6	84,9	84,7	97,5	94,6
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,69	85,2	100,8	111,2	103,4	105,7	100,4
Basic iron and steel products	3,57	103,6	117,9	122,4	124,5	118,1	103,9
Non-ferrous metal products	2,58	103,2	99,5	108,6	107,8	111,0	103,2
Structural metal products	1,99	64,8	84,9	86,1	84,7	93,2	88,3
Other fabricated metal products	3,79	82,2	103,9	112,2	106,6	109,6	100,1
General purpose machinery	2,58	65,9	91,2	100,5	99,5	100,4	103,4
Special purpose machinery	3,41	79,8	95,9	128,1	91,6	96,9	101,4
Household appliances	0,77	95,1	104,9	88,6	88,2	100,7	92,9
Electrical machinery	1,64	63,5	82,1	96,3	80,4	86,2	85,2
Radio, television and communication apparatus and professional equipment	1,54	72,4	88,5	98,4	80,9	87,2	83,0
Radio, television and communication apparatus	0,90	79,0	97,6	99,7	85,8	96,5	81,7
Professional equipment	0,64	63,1	75,7	96,7	74,0	74,2	84,7
Motor vehicles, parts and accessories and other transport equipment	7,56	80,5	105,6	106,6	100,8	109,7	107,3
Motor vehicles	2,82	79,2	111,7	109,3	103,4	107,5	110,9
Bodies for motor vehicles, trailers and semi-trailers	0,47	79,6	106,5	111,6	106,0	113,5	104,0
Parts and accessories	3,04	87,9	112,5	110,9	111,5	126,8	113,3
Other transport equipment	1,23	65,3	74,4	88,1	66,4	70,8	85,4
Furniture and other manufacturing	3,11	85,9	99,7	86,1	83,0	93,8	92,6
Furniture	1,07	59,2	85,4	78,4	80,9	94,8	81,6
Other manufacturing groups	2,04	99,9	107,2	90,1	84,1	93,2	98,4
Total	100	88,1	95,0	101,0	96,1	103,2	99,1

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	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19
Food and beverages	4,3	3,6	0,7	3,6	6,3	3,7
Meat, fish, fruit, etc.	-0,8	3,6	2,2	8,8	2,6	-2,8
Dairy products	11,6	2,8	5,9	16,8	22,9	9,5
Grain mill products	0,1	-1,1	-5,0	-1,2	-2,6	-4,8
Other food products	2,1	-0,7	-3,7	-7,1	6,8	12,2
Beverages	12,5	11,9	5,4	12,5	8,6	-0,7
Textiles, clothing, leather and footwear	-4,3	-6,9	-6,1	-5,1	-2,1	-9,8
Textiles	3,0	-4,0	-10,8	-9,3	-5,8	-13,2
Other textile products	-3,1	-8,2	-13,8	-11,6	-1,1	-12,0
Knitted, crocheted articles	-2,9	0,0	-11,4	-15,9	-8,1	-5,7
Wearing apparel	-1,6	-10,4	-2,0	-5,8	0,8	-9,2
Leather and leather products	-13,3	-9,0	-3,5	-3,8	-8,1	-19,1
Footwear	-14,7	-2,1	4,6	19,9	10,0	11,3
Wood and wood products, paper, publishing and printing	0,2	-2,8	-2,5	-0,6	-3,8	-4,9
Sawmilling and planing of wood	-12,1	-8,4	-9,2	2,3	-4,7	-7,5
Products of wood	6,6	-1,5	-11,3	-3,3	-2,1	-8,6
Paper and paper products	1,8	-1,4	9,5	1,9	-1,9	-0,8
Publishing	-5,9	-2,4	-4,3	-9,2	-10,7	-7,8
Printing, recorded media	7,1	-2,4	-5,6	0,9	-6,1	-3,9
Petroleum, chemical products, rubber and plastic products	1,3	1,7	6,4	1,0	0,3	-7,7
Coke, petroleum products and nuclear fuel	3,3	6,8	33,0	2,3	16,8	-11,8
Basic chemicals	-3,9	-2,7	-20,6	-9,4	-17,2	-11,3
Other chemical products	2,0	-0,2	-4,5	0,9	-8,1	-4,9
Rubber products	1,2	2,2	0,2	-5,0	3,0	1,4
Plastic products	0,8	-1,9	6,9	14,1	2,1	0,2
Glass and non-metallic mineral products	-4,8	-2,1	-5,4	-4,5	-2,1	-8,4
Glass and glass products	-0,2	11,9	20,2	5,6	4,9	-3,5
Non-metallic mineral products	-6,4	-5,9	-12,0	-7,4	-3,9	-9,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	-1,7	0,7	3,0	9,4	-1,6	-5,1
Basic iron and steel products	-13,6	8,1	1,6	8,4	-6,3	-10,7
Non-ferrous metal products	5,5	-4,4	-1,2	10,8	-0,2	-1,9
Structural metal products	11,9	-4,0	-2,4	15,9	-1,9	-9,2
Other fabricated metal products	-4,6	3,2	4,5	10,4	-3,1	-6,1
General purpose machinery	-8,6	-4,9	0,5	14,1	-0,2	-2,5
Special purpose machinery	12,1	-3,0	12,6	3,7	3,6	-1,2
Household appliances	7,1	15,8	-11,1	0,8	3,9	3,3
Electrical machinery	-9,4	-3,4	-4,4	11,5	-1,0	-5,2
Radio, television and communication apparatus and professional equipment	-5,0	-7,2	1,0	-4,9	-5,4	-5,7
Radio, television and communication apparatus	5,1	1,8	0,5	-0,6	1,7	-7,2
Professional equipment	-18,6	-20,1	1,9	-11,4	-16,2	-3,8
Motor vehicles, parts and accessories and other transport equipment	0,1	0,3	-6,8	17,6	-4,6	-1,3
Motor vehicles	27,9	11,3	8,3	33,9	-5,2	8,5
Bodies for motor vehicles, trailers and semi-trailers	-5,8	-4,7	-6,5	3,9	-7,3	-7,2
Parts and accessories	-14,5	-2,3	-8,9	11,3	0,9	-1,5
Other transport equipment	-0,6	-17,0	-29,6	5,2	-20,9	-20,1
Furniture and other manufacturing	2,5	-7,6	3,4	6,1	-2,1	-5,9
Furniture	-5,0	-9,7	-9,8	-3,8	-5,1	-13,4
Other manufacturing groups	4,9	-6,8	10,7	12,0	-0,5	-2,3
Total	0,9	0,4	1,0	4,2	0,4	-3,2

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

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	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Month-on-month % change
Food and beverages	26,64	107,8	107,8	107,1	110,3	111,8	1,4
Meat, fish, fruit, etc.	6,69	104,7	103,9	104,6	104,8	103,4	-1,3
Dairy products	2,15	110,0	111,5	118,3	124,6	116,1	-6,8
Grain mill products	3,37	98,3	95,4	98,8	95,8	95,8	0,0
Other food products	8,14	109,7	111,2	106,2	118,0	128,1	8,6
Beverages	6,29	112,8	113,0	111,5	109,0	106,9	-1,9
Textiles, clothing, leather and footwear	3,12	85,5	84,1	88,8	87,8	87,0	-0,9
Textiles	0,78	94,8	87,6	95,4	94,1	96,3	2,3
Other textile products	0,40	93,1	85,6	93,5	97,9	93,9	-4,1
Knitted, crocheted articles	0,09	94,6	85,1	83,7	86,5	90,0	4,0
Wearing apparel	1,04	78,4	80,5	83,6	82,2	78,6	-4,4
Leather and leather products	0,46	76,3	78,2	76,4	75,3	68,0	-9,7
Footwear	0,35	87,3	92,8	101,9	95,7	108,2	13,1
Wood and wood products, paper, publishing and printing	11,45	95,8	93,5	95,7	94,4	94,9	0,5
Sawmilling and planing of wood	1,73	97,7	97,9	99,7	101,4	99,0	-2,4
Products of wood	2,57	100,7	97,1	99,2	101,0	99,2	-1,8
Paper and paper products	4,14	99,0	96,1	99,1	96,3	97,8	1,6
Publishing	1,43	80,7	78,1	76,7	75,4	77,2	2,4
Printing, recorded media	1,58	90,9	89,7	94,2	88,3	91,8	4,0
Petroleum, chemical products, rubber and plastic products	23,07	94,0	99,8	101,3	99,1	91,5	-7,7
Coke, petroleum products and nuclear fuel	8,67	88,0	108,9	108,5	104,8	84,5	-19,4
Basic chemicals	4,29	97,3	88,0	89,3	91,7	91,3	-0,4
Other chemical products	6,19	96,0	93,9	95,7	92,0	93,2	1,3
Rubber products	1,24	97,9	89,2	99,3	102,6	97,6	-4,9
Plastic products	2,68	101,7	107,8	111,1	107,1	107,6	0,5
Glass and non-metallic mineral products	3,18	98,3	91,8	95,5	94,9	91,9	-3,2
Glass and glass products	0,66	116,6	123,2	113,5	114,1	105,1	-7,9
Non-metallic mineral products	2,52	93,5	83,6	90,8	89,9	88,4	-1,7
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,69	102,3	103,3	108,2	101,6	99,5	-2,1
Basic iron and steel products	3,57	118,4	114,5	119,2	107,7	105,3	-2,2
Non-ferrous metal products	2,58	104,5	105,9	108,4	106,2	104,9	-1,2
Structural metal products	1,99	82,8	84,8	96,2	86,9	83,8	-3,6
Other fabricated metal products	3,79	104,6	108,0	112,3	103,4	101,4	-1,9
General purpose machinery	2,58	94,3	97,3	105,9	98,0	97,5	-0,5
Special purpose machinery	3,41	98,4	104,6	103,9	101,9	99,2	-2,6
Household appliances	0,77	102,4	80,7	94,4	97,7	93,2	-4,6
Electrical machinery	1,64	85,0	82,9	87,7	82,2	82,0	-0,2
Radio, television and communication apparatus and professional equipment	1,54	91,7	94,8	92,0	91,1	87,0	-4,5
Radio, television and communication apparatus	0,90	102,1	101,5	100,3	102,0	89,4	-12,4
Professional equipment	0,64	77,2	85,5	80,4	75,9	83,7	10,3
Motor vehicles, parts and accessories and other transport equipment	7,56	104,2	101,2	108,1	100,5	106,5	6,0
Motor vehicles	2,82	109,6	104,7	114,0	94,9	107,5	13,3
Bodies for motor vehicles, trailers and semi-trailers	0,47	105,9	110,2	109,4	101,0	107,8	6,7
Parts and accessories	3,04	109,3	108,1	112,5	114,8	118,4	3,1
Other transport equipment	1,23	78,7	72,4	83,1	77,6	74,5	-4,0
Furniture and other manufacturing	3,11	96,4	95,6	103,6	95,4	91,5	-4,1
Furniture	1,07	89,3	86,4	91,2	92,4	82,7	-10,5
Other manufacturing groups	2,04	100,2	100,5	110,2	97,0	96,2	-0,8
Total	100	100,0	100,7	103,1	101,1	99,6	-1,5

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

Month	2013	2014	2015	2016	2017	2018	2019 ¹
Jan	121 436	135 677	135 105	139 194	149 598	156 736	171 820
Feb	137 860	152 891	150 297	162 804	165 159	176 201	186 881
Mar	144 166	158 596	169 510	171 979	185 331	187 729	203 818
Apr	139 563	150 136	149 096	162 622	160 348	167 504	191 531
May	147 760	154 928	160 228	175 473	182 017	194 480	202 579
Jun	145 708	163 114	165 325	179 564	185 638	194 615	203 024
Jul	153 100	152 581	165 809	173 159	177 157	196 533	
Aug	150 611	163 460	163 742	179 525	188 712	204 207	
Sep	146 841	170 204	174 697	186 940	191 032	207 070	
Oct	163 656	183 528	181 093	186 342	199 764	223 783	
Nov	169 622	178 453	181 957	198 464	216 510	228 660	
Dec	146 427	154 776	158 052	165 556	175 770	184 916	
Total	1 766 750	1 918 344	1 954 911	2 081 622	2 177 036	2 322 434	

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

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	167 201	177 560	184 590	201 519	1,7	1,9	-1,5	2,1
Feb	170 889	175 715	187 755	199 006	2,2	-1,0	1,7	-1,2
Mar	169 968	178 063	187 637	201 340	-0,5	1,3	-0,1	1,2
Apr	172 562	178 622	179 552	206 869	1,5	0,3	-4,3	2,7
May	176 122	180 517	192 894	200 464	2,1	1,1	7,4	-3,1
Jun	176 093	180 534	191 557	203 734	0,0	0,0	-0,7	1,6
Jul	174 818	179 947	196 461		-0,7	-0,3	2,6	
Aug	173 605	182 416	196 357		-0,7	1,4	-0,1	
Sep	175 478	181 598	201 096		1,1	-0,4	2,4	
Oct	172 085	182 043	202 552		-1,9	0,2	0,7	
Nov	175 033	191 774	201 154		1,7	5,3	-0,7	
Dec	174 170	187 446	197 406		-0,5	-2,3	-1,9	

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

Manufacturing division and major group	Jan-19	Feb-19	Mar-19	¹ Apr-19	¹ May-19	¹ Jun-19
Food and beverages	43 641	41 756	46 244	45 679	46 200	44 570
Meat, fish, fruit, etc.	10 828	11 497	12 731	12 357	12 798	12 554
Dairy products	4 006	3 713	4 316	4 161	4 141	3 898
Grain mill products	6 136	5 829	6 728	6 462	6 808	6 583
Other food products	10 872	8 488	8 966	10 488	10 099	10 071
Beverages	11 800	12 230	13 504	12 211	12 354	11 465
Textiles, clothing, leather and footwear	3 402	4 221	4 648	4 399	4 679	4 407
Textiles	446	570	573	534	619	556
Other textile products	957	1 249	1 293	1 242	1 373	1 287
Knitted, crocheted articles	169	217	227	221	230	218
Wearing apparel	965	1 279	1 501	1 427	1 438	1 342
Leather and leather products	497	485	567	522	565	511
Footwear	369	421	486	453	454	491
Wood and wood products, paper, publishing and printing	12 559	13 684	14 497	12 519	13 985	14 898
Sawmilling and planing of wood	904	871	1 013	1 037	1 059	966
Products of wood	1 615	2 032	2 109	2 016	2 139	2 301
Paper and paper products	6 421	6 658	7 296	5 919	6 905	7 474
Publishing	1 303	1 552	1 453	1 330	1 336	1 554
Printing, recorded media	2 316	2 571	2 626	2 216	2 545	2 602
Petroleum, chemical products, rubber and plastic products	36 893	36 184	39 729	39 428	41 210	41 075
Coke, petroleum products and nuclear fuel	13 120	10 434	12 680	13 946	13 265	14 033
Basic chemicals	7 615	7 758	8 013	7 735	9 001	8 483
Other chemical products	10 277	11 046	11 849	10 767	11 720	11 536
Rubber products	1 067	1 406	1 491	1 310	1 606	1 437
Plastic products	4 814	5 539	5 695	5 670	5 619	5 586
Glass and non-metallic mineral products	4 136	5 005	5 289	5 073	5 820	5 701
Glass and glass products	877	908	961	915	996	876
Non-metallic mineral products	3 259	4 098	4 328	4 158	4 824	4 825
Basic iron and steel, non-ferrous metal products, metal products and machinery	37 471	42 630	49 643	44 051	46 963	47 982
Basic iron and steel products	9 934	10 517	12 664	10 635	11 828	12 464
Non-ferrous metal products	12 356	12 201	14 710	13 670	14 030	14 657
Structural metal products	2 085	2 852	3 044	2 913	3 185	3 090
Other fabricated metal products	5 255	6 633	7 096	6 819	7 071	6 586
General purpose machinery	2 466	3 440	3 953	3 706	3 885	4 164
Special purpose machinery	4 317	5 757	6 792	5 112	5 656	5 720
Household appliances	1 059	1 228	1 385	1 197	1 308	1 302
Electrical machinery	3 400	4 598	5 216	4 311	4 617	4 646
Radio, television and communication apparatus and professional equipment	1 462	2 109	2 164	1 788	2 015	1 887
Radio, television and communication apparatus	827	1 328	1 242	982	1 220	1 001
Professional equipment	635	781	922	806	795	886
Motor vehicles, parts and accessories and other transport equipment	22 887	29 209	29 113	27 042	29 249	30 276
Motor vehicles	13 798	17 353	16 120	16 576	17 904	18 595
Bodies for motor vehicles, trailers and semi-trailers	900	1 120	1 246	1 146	1 171	1 110
Parts and accessories	6 014	8 253	8 773	7 045	7 738	7 621
Other transport equipment	2 175	2 483	2 975	2 275	2 437	2 950
Furniture and other manufacturing	5 968	7 483	7 275	7 241	7 839	7 582
Furniture	851	1 268	1 213	1 233	1 379	1 275
Other manufacturing groups	5 116	6 215	6 062	6 009	6 460	6 307
Total	171 820	186 881	203 818	191 531	202 579	203 024

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	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19
Food and beverages	15,6	7,3	6,9	10,4	8,8	4,7
Meat, fish, fruit, etc.	-0,6	4,9	6,4	14,4	4,8	2,5
Dairy products	10,7	5,5	10,2	17,6	10,8	6,2
Grain mill products	14,8	10,3	9,3	15,8	11,5	8,4
Other food products	33,5	3,6	4,6	-4,1	10,4	5,6
Beverages	21,1	11,5	6,6	16,3	9,6	3,7
Textiles, clothing, leather and footwear	-2,2	-4,0	-0,4	-3,2	-2,0	-4,4
Textiles	-1,8	-3,6	-3,7	-9,2	-0,8	-10,6
Other textile products	2,4	-3,9	-3,8	-4,4	-5,7	-6,5
Knitted, crocheted articles	6,3	0,5	-5,8	-7,9	-4,2	-4,4
Wearing apparel	-1,4	-5,7	-0,9	-0,8	-0,6	-1,3
Leather and leather products	-14,5	-11,8	-1,2	-13,9	-8,6	-16,0
Footwear	-0,8	9,9	21,2	21,4	16,1	18,3
Wood and wood products, paper, publishing and printing	8,5	3,0	9,3	4,8	2,4	3,3
Sawmilling and planing of wood	3,4	-9,0	-0,2	19,3	-4,9	-2,9
Products of wood	4,7	4,3	-6,1	6,6	2,1	-3,5
Paper and paper products	8,1	2,3	21,5	2,4	5,5	7,3
Publishing	1,1	4,9	4,0	0,2	-5,8	-0,8
Printing, recorded media	20,0	7,8	1,0	6,4	2,5	3,3
Petroleum, chemical products, rubber and plastic products	3,7	3,3	5,3	14,2	-0,7	2,4
Coke, petroleum products and nuclear fuel	1,8	-0,8	11,9	18,3	-4,6	7,2
Basic chemicals	2,7	5,1	-3,8	17,6	-0,7	-2,2
Other chemical products	7,0	5,3	4,2	5,8	0,3	0,9
Rubber products	-1,5	6,0	2,2	7,6	10,2	5,4
Plastic products	5,3	4,7	8,8	18,9	4,2	0,9
Glass and non-metallic mineral products	-0,9	-4,3	-4,4	0,1	-2,8	-0,1
Glass and glass products	9,5	13,6	18,1	12,5	3,8	-2,8
Non-metallic mineral products	-3,4	-7,5	-8,2	-2,3	-4,0	0,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	5,8	4,2	16,9	17,9	7,3	8,1
Basic iron and steel products	-13,7	-8,9	9,0	5,9	-3,4	1,2
Non-ferrous metal products	28,5	15,4	42,2	37,5	22,6	23,8
Structural metal products	13,7	-1,2	7,4	24,1	2,0	1,0
Other fabricated metal products	1,7	6,8	8,7	12,9	1,6	0,6
General purpose machinery	-1,4	-0,8	5,6	18,1	5,4	6,8
Special purpose machinery	14,7	13,8	10,9	7,5	10,7	3,7
Household appliances	3,3	6,7	10,0	10,2	6,4	8,4
Electrical machinery	-4,9	1,1	4,1	9,2	-0,2	-2,2
Radio, television and communication apparatus and professional equipment	-9,0	3,4	2,4	-3,4	-3,4	-3,2
Radio, television and communication apparatus	-5,9	20,0	6,1	-0,7	5,2	-7,6
Professional equipment	-12,7	-16,2	-2,0	-6,4	-14,1	2,2
Motor vehicles, parts and accessories and other transport equipment	26,1	18,6	8,3	32,6	4,5	7,7
Motor vehicles	51,3	31,5	15,0	48,6	13,7	13,9
Bodies for motor vehicles, trailers and semi-trailers	13,9	10,1	8,9	19,6	-1,7	-1,3
Parts and accessories	-2,0	9,3	13,4	12,8	-5,1	4,8
Other transport equipment	3,6	-13,1	-25,3	12,1	-15,9	-13,2
Furniture and other manufacturing	9,5	3,2	6,7	11,1	3,2	-5,1
Furniture	-7,8	-8,4	-5,7	-1,3	-3,6	-8,4
Other manufacturing groups	13,0	6,0	9,6	14,1	4,7	-4,4
Total	9,6	6,1	8,6	14,3	4,2	4,3

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

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

Manufacturing division and major group	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Month-on-month % change
Food and beverages	46 360	47 166	47 803	47 575	47 138	-0,9
Meat, fish, fruit, etc.	12 752	12 808	12 860	12 835	12 909	0,6
Dairy products	4 055	4 140	4 333	4 242	4 149	-2,2
Grain mill products	6 536	6 578	6 798	6 669	6 666	0,0
Other food products	9 632	9 867	10 312	10 192	10 120	-0,7
Beverages	13 385	13 772	13 500	13 637	13 293	-2,5
Textiles, clothing, leather and footwear	4 517	4 551	4 593	4 565	4 632	1,5
Textiles	578	545	564	565	577	2,1
Other textile products	1 280	1 280	1 275	1 276	1 329	4,2
Knitted, crocheted articles	215	205	212	202	222	9,9
Wearing apparel	1 462	1 470	1 505	1 471	1 461	-0,7
Leather and leather products	496	559	538	544	515	-5,3
Footwear	485	492	498	506	528	4,3
Wood and wood products, paper, publishing and printing	14 430	14 370	14 778	14 424	14 811	2,7
Sawmilling and planing of wood	932	943	1 195	994	975	-1,9
Products of wood	2 136	2 090	2 182	2 144	2 165	1,0
Paper and paper products	6 988	6 961	7 061	7 106	7 227	1,7
Publishing	1 629	1 601	1 582	1 492	1 599	7,2
Printing, recorded media	2 744	2 775	2 757	2 689	2 845	5,8
Petroleum, chemical products, rubber and plastic products	40 429	41 278	43 009	40 197	41 902	4,2
Coke, petroleum products and nuclear fuel	12 720	13 912	14 745	12 696	13 982	10,1
Basic chemicals	8 659	8 303	8 575	8 659	8 777	1,4
Other chemical products	11 911	11 761	12 025	11 566	11 825	2,2
Rubber products	1 375	1 366	1 442	1 500	1 431	-4,6
Plastic products	5 764	5 936	6 221	5 777	5 888	1,9
Glass and non-metallic mineral products	5 503	5 292	5 554	5 453	5 588	2,5
Glass and glass products	1 053	1 090	1 054	1 018	930	-8,6
Non-metallic mineral products	4 449	4 202	4 499	4 435	4 658	5,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	43 651	46 750	46 931	45 593	46 592	2,2
Basic iron and steel products	10 737	11 654	11 061	11 197	11 689	4,4
Non-ferrous metal products	12 663	14 671	14 297	13 889	14 381	3,5
Structural metal products	2 750	2 936	3 312	2 998	3 017	0,6
Other fabricated metal products	6 833	6 840	7 307	6 696	6 704	0,1
General purpose machinery	3 556	3 719	3 971	3 782	3 807	0,7
Special purpose machinery	5 877	5 672	5 685	5 762	5 711	-0,9
Household appliances	1 233	1 258	1 298	1 269	1 284	1,2
Electrical machinery	4 528	4 662	4 753	4 554	4 463	-2,0
Radio, television and communication apparatus and professional equipment	2 186	2 087	2 047	2 069	1 979	-4,3
Radio, television and communication apparatus	1 389	1 247	1 199	1 276	1 119	-12,3
Professional equipment	797	840	848	793	860	8,4
Motor vehicles, parts and accessories and other transport equipment	29 757	27 524	29 621	28 377	29 153	2,7
Motor vehicles	17 998	15 943	18 115	17 569	17 807	1,4
Bodies for motor vehicles, trailers and semi-trailers	1 154	1 174	1 207	1 018	1 146	12,6
Parts and accessories	7 969	7 872	7 702	7 181	7 634	6,3
Other transport equipment	2 636	2 536	2 598	2 609	2 566	-1,6
Furniture and other manufacturing	7 646	7 660	7 781	7 655	7 476	-2,3
Furniture	1 349	1 339	1 362	1 350	1 327	-1,7
Other manufacturing groups	6 297	6 321	6 419	6 305	6 149	-2,5
Total	199 006	201 340	206 869	200 464	203 734	1,6

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 June 2019 was 85,8%. The improved collection rate for May 2019 was 89,4%.
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 3 083 enterprises from a population of 50 191 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 2018 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	1 842 288	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 *System of National Accounts* (SNA) in the same way as in the *Standard Industrial Classification of all Economic Activities* (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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