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The South Africa I know, the home I understand



Contents

Production: results for January 2020	2
Table A – Key growth rates in the volume of manufacturing production	2
Table B – Seasonally adjusted manufacturing production for the latest three months by division and major group (Base: 2015=100)	3
Figure 1 – Volume of manufacturing production (Base: 2015=100)	4
Figure 2 – Volume of manufacturing production (Base: 2015=100): year-on-year percentage change	4
Sales: results for January 2020	5
Table C – Key growth rates in manufacturing sales at current prices	5
Table D – Seasonally adjusted manufacturing sales at current prices for the latest three months by division	5
Tables	6
Table 1 – Index of the volume of manufacturing production (Base: 2015=100)	6
Table 2 – Year-on-year percentage change in the volume of manufacturing production	6
Table 3 – Seasonally adjusted volume of manufacturing production	6
Table 4 – Index of the volume of manufacturing production by division and major group (Base: 2015=100)	7
Table 5 – Year-on-year percentage change in the volume of manufacturing production by division and major group (Base: 2015=100)	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)	9
Table 7 – Seasonally adjusted index of the volume of manufacturing production by division and major group (Base: 2015=100)	10
Table 8 – Manufacturing sales at current prices (R million)	11
Table 9 – Year-on-year percentage change in manufacturing sales at current prices	11
Table 10 – Seasonally adjusted manufacturing sales at current prices	11
Table 11 – Manufacturing sales at current prices by division and major group (R million)	12
Table 12 – Year-on-year percentage change in manufacturing sales at current prices by division and major group	13
Table 13 – Contribution of each division and major group to the year-on-year percentage change in manufacturing sales at current prices (percentage points)	14
Table 14 – Seasonally adjusted manufacturing sales at current prices by division and major group (R million)	15
Survey information	16
Technical notes	17
Table E – Weights by division and major group	19
Glossary	21
Technical enquiries	21
General information	22

Production: results for January 2020

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

	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20
Year-on-year % change, unadjusted	-1,5	-2,3	-0,4	-3,3	-5,9	-2,0
Month-on-month % change, seasonally adjusted	1,1	-2,3	2,9	-1,8	-3,0	2,5
3-month % change, seasonally adjusted ¹	-1,7	-1,1	0,5	0,1	-0,5	-1,8

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

Manufacturing production decreased by 2,0% in January 2020 compared with January 2019. The largest negative contributions were made by the following divisions:

- wood and wood products, paper, publishing and printing (-6,7% and contributing -0,7 of a percentage point);
- motor vehicles, parts and accessories and other transport equipment (-5,6% and contributing -0,4 of a percentage point);
- textiles, clothing, leather and footwear (-10,3% and contributing -0,2 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
- petroleum, chemical products, rubber and plastic products (-0,7% and contributing -0,2 of a percentage point) – see Tables 5 and 6.

Seasonally adjusted manufacturing production increased by 2,5% in January 2020 compared with December 2019. This followed month-on-month changes of -3,0% in December 2019 and -1,8% in November 2019 – see Table A.

Seasonally adjusted manufacturing production decreased by 1,8% in the three months ended January 2020 compared with the previous three months. Eight of the ten manufacturing divisions reported negative growth rates over this period.

The largest negative contributions were made by the following divisions:

- motor vehicles, parts and accessories and other transport equipment (-12,5% and contributing -1,0 percentage point); and
- wood and wood products, paper, publishing and printing (-4,2% and contributing -0,4 of a percentage point).

The largest positive contribution was made by the petroleum, chemical products, rubber and plastic products division (1,4% 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	Aug – Oct 2019	Nov 2019 – Jan 2020	% change between Aug – Oct 2019 and Nov 2019 – Jan 2020	Contribution (% points) to the total % change
Food and beverages	26,64	110,1	109,2	-0,8	-0,2
Meat, fish, fruit, etc.	6,69	104,8	102,7	-2,0	-0,1
Dairy products	2,15	116,3	109,4	-5,9	-0,1
Grain mill products	3,37	99,1	97,0	-2,1	-0,1
Other food products	8,14	118,5	118,3	-0,2	0,0
Beverages	6,29	108,7	110,8	1,9	0,1
Textiles, clothing, leather and footwear	3,12	86,2	80,8	-6,3	-0,2
Textiles	0,78	97,4	90,6	-7,0	-0,1
Other textile products	0,40	88,7	85,9	-3,2	0,0
Knitted, crocheted articles	0,09	79,3	68,7	-13,4	0,0
Wearing apparel	1,04	81,5	75,7	-7,1	-0,1
Leather and leather products	0,46	66,1	60,8	-8,0	0,0
Footwear	0,35	101,5	98,9	-2,6	0,0
Wood and wood products, paper, publishing and printing	11,45	93,5	89,6	-4,2	-0,4
Sawmilling and planing of wood	1,73	92,0	93,8	2,0	0,0
Products of wood	2,57	98,4	95,1	-3,4	-0,1
Paper and paper products	4,14	96,8	89,2	-7,9	-0,3
Publishing	1,43	78,7	73,4	-6,7	-0,1
Printing, recorded media	1,58	91,9	91,5	-0,4	0,0
Petroleum, chemical products, rubber and plastic products	23,07	98,6	100,0	1,4	0,3
Coke, petroleum products and nuclear fuel	8,67	103,1	105,9	2,7	0,2
Basic chemicals	4,29	93,3	96,0	2,9	0,1
Other chemical products	6,19	93,5	95,0	1,6	0,1
Rubber products	1,24	98,7	92,9	-5,9	-0,1
Plastic products	2,68	104,2	102,3	-1,8	-0,1
Glass and non-metallic mineral products	3,18	89,8	91,3	1,7	0,0
Glass and glass products	0,66	110,7	114,2	3,2	0,0
Non-metallic mineral products	2,52	84,3	85,3	1,2	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,69	99,3	98,7	-0,6	-0,1
Basic iron and steel products	3,57	107,5	108,1	0,6	0,0
Non-ferrous metal products	2,58	98,9	98,1	-0,8	0,0
Structural metal products	1,99	88,4	84,4	-4,5	-0,1
Other fabricated metal products	3,79	99,1	95,0	-4,1	-0,2
General purpose machinery	2,58	97,9	98,9	1,0	0,0
Special purpose machinery	3,41	99,1	100,8	1,7	0,1
Household appliances	0,77	96,5	101,4	5,1	0,0
Electrical machinery	1,64	80,6	75,3	-6,6	-0,1
Radio, television and communication apparatus and professional equipment	1,54	90,2	88,5	-1,9	0,0
Radio, television and communication apparatus	0,90	94,5	92,8	-1,8	0,0
Professional equipment	0,64	84,0	82,3	-2,0	0,0
Motor vehicles, parts and accessories and other transport equipment	7,56	106,6	93,3	-12,5	-1,0
Motor vehicles	2,82	104,1	86,0	-17,4	-0,5
Bodies for motor vehicles, trailers and semi-trailers	0,47	113,7	104,1	-8,4	0,0
Parts and accessories	3,04	117,4	102,3	-12,9	-0,5
Other transport equipment	1,23	82,6	83,7	1,3	0,0
Furniture and other manufacturing	3,11	98,2	95,8	-2,4	-0,1
Furniture	1,07	83,2	84,9	2,0	0,0
Other manufacturing groups	2,04	106,2	101,6	-4,3	-0,1
Total	100	100,7	98,9	-1,8	-1,8

Figure 1 – Volume of manufacturing production (Base: 2015=100)

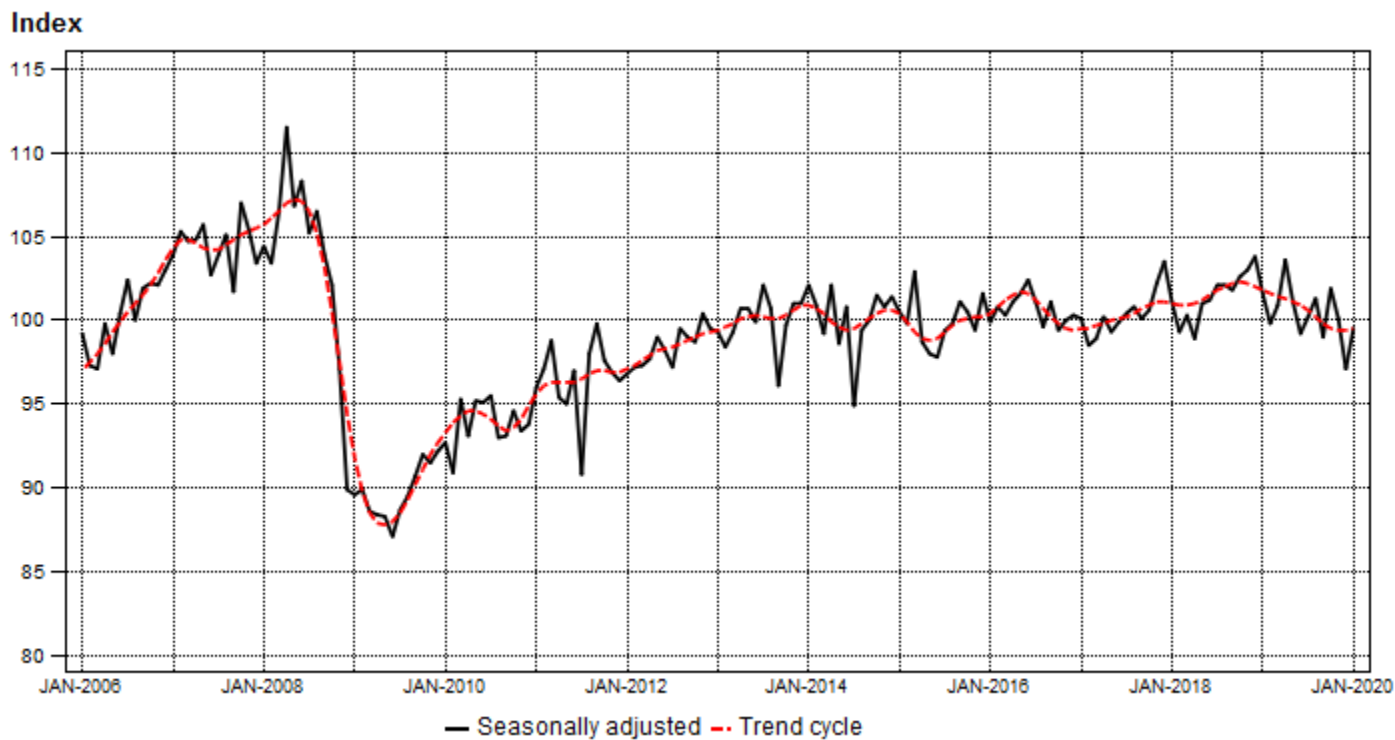
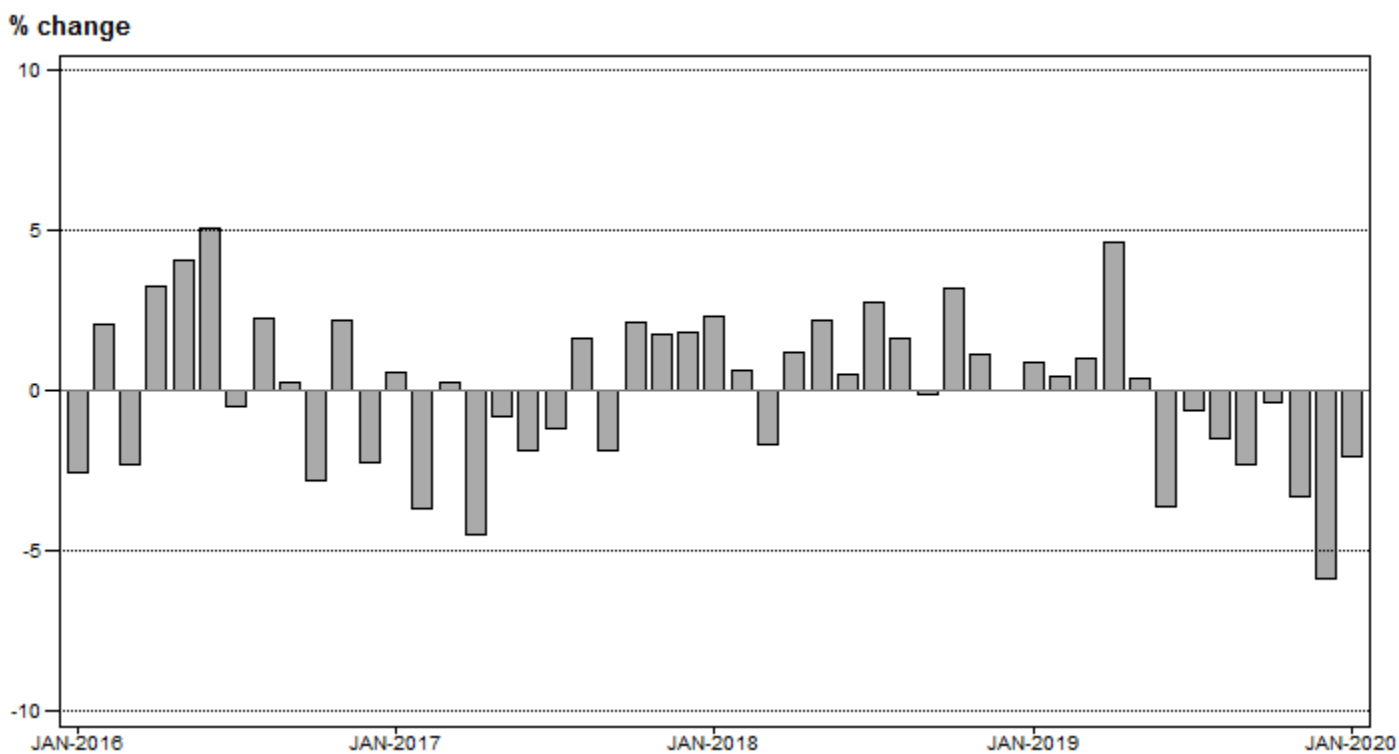


Figure 2 – Volume of manufacturing production (Base: 2015=100): year-on-year percentage change



Sales: results for January 2020**Table C – Key growth rates in manufacturing sales at current prices**

	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20
Year-on-year % change, unadjusted	5,0	0,3	0,8	-2,0	-3,1	-0,8
Month-on-month % change, seasonally adjusted	1,8	-3,2	1,4	-2,2	-3,5	3,7
3-month % change, seasonally adjusted ¹	0,7	0,1	0,8	-1,8	-2,8	-3,5

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

Seasonally adjusted manufacturing sales increased by 3,7% in January 2020 compared with December 2019. This followed month-on-month changes of -3,5% in December 2019 and -2,2% in November 2019 – see Table C.

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

Manufacturing division	Aug – Oct 2019 (R million)	Nov 2019 – Jan 2020 (R million)	% change between Aug – Oct 2019 and Nov 2019 – Jan 2020	Contribution (% points) to the total % change
Food and beverages	142 820	142 171	-0,5	-0,1
Textiles, clothing, leather and footwear	15 066	14 420	-4,3	-0,1
Wood and wood products, paper, publishing and printing	40 999	39 634	-3,3	-0,2
Petroleum, chemical products, rubber and plastic products	118 330	121 931	3,0	0,6
Glass and non-metallic mineral products	16 735	16 670	-0,4	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	137 826	126 419	-8,3	-1,9
Electrical machinery	13 803	13 407	-2,9	-0,1
Radio, television and communication apparatus and professional equipment	6 247	6 161	-1,4	0,0
Motor vehicles, parts and accessories and other transport equipment	87 966	78 081	-11,2	-1,6
Furniture and other manufacturing	21 963	21 840	-0,6	0,0
Total	601 754	580 733	-3,5	-3,5

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Statistician-General

Tables

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

Month	2014	2015	2016	2017	2018	2019	2020 ¹
Jan	88,9	87,0	84,8	85,3	87,3	88,1	86,3
Feb	95,5	95,6	97,6	94,0	94,6	95,0	
Mar	99,6	103,8	101,4	101,7	100,0	101,0	
Apr	94,5	92,4	95,4	91,1	92,2	96,5	
May	99,2	97,4	101,4	100,6	102,8	103,2	
Jun	99,8	98,8	103,8	101,9	102,4	98,7	
Jul	97,5	102,0	101,5	100,3	103,1	102,5	
Aug	101,4	101,2	103,5	105,2	106,9	105,3	
Sep	105,5	107,0	107,3	105,3	105,2	102,8	
Oct	113,2	110,9	107,8	110,1	113,6	113,2	
Nov	111,1	109,7	112,1	114,1	115,4	111,6	
Dec	93,9	94,1	92,0	93,7	93,7	88,2	
Total	100,0	100,0	100,7	100,3	101,4	100,5	

¹ The latest three months are preliminary.

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

Month	2015	2016	2017	2018	2019	2020	2020 year-to-date
Jan	-2,1	-2,5	0,6	2,3	0,9	-2,0	-2,0
Feb	0,1	2,1	-3,7	0,6	0,4		
Mar	4,2	-2,3	0,3	-1,7	1,0		
Apr	-2,2	3,2	-4,5	1,2	4,7		
May	-1,8	4,1	-0,8	2,2	0,4		
Jun	-1,0	5,1	-1,8	0,5	-3,6		
Jul	4,6	-0,5	-1,2	2,8	-0,6		
Aug	-0,2	2,3	1,6	1,6	-1,5		
Sep	1,4	0,3	-1,9	-0,1	-2,3		
Oct	-2,0	-2,8	2,1	3,2	-0,4		
Nov	-1,3	2,2	1,8	1,1	-3,3		
Dec	0,2	-2,2	1,8	0,0	-5,9		
Total	0,0	0,7	-0,4	1,1	-0,9		

Table 3 – Seasonally adjusted volume of manufacturing production

Month	Index (Base: 2015=100)				Month-on-month % change			
	2017	2018	2019	2020	2017	2018	2019	2020
Jan	100,1	101,1	101,6	99,5	-0,2	-2,3	-2,1	2,5
Feb	98,5	99,3	99,8		-1,6	-1,8	-1,8	
Mar	98,9	100,3	100,9		0,4	1,0	1,1	
Apr	100,2	98,9	103,6		1,3	-1,4	2,7	
May	99,3	101,0	101,1		-0,9	2,1	-2,4	
Jun	99,9	101,2	99,2		0,6	0,2	-1,9	
Jul	100,4	102,1	100,2		0,5	0,9	1,0	
Aug	100,8	102,1	101,3		0,4	0,0	1,1	
Sep	100,1	101,8	99,0		-0,7	-0,3	-2,3	
Oct	100,6	102,6	101,9		0,5	0,8	2,9	
Nov	102,2	103,0	100,1		1,6	0,4	-1,8	
Dec	103,5	103,8	97,1		1,3	0,8	-3,0	

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

Manufacturing division and major group	Weights	Aug-19	Sep-19	Oct-19	¹ Nov-19	¹ Dec-19	¹ Jan-20
Food and beverages	26,64	114,8	112,4	122,8	125,8	111,6	94,3
Meat, fish, fruit, etc.	6,69	104,1	102,8	114,1	112,0	106,7	92,5
Dairy products	2,15	118,4	120,5	127,7	117,6	119,0	109,0
Grain mill products	3,37	97,6	99,0	106,1	106,9	95,3	90,9
Other food products	8,14	135,4	127,4	137,2	131,5	100,7	93,3
Beverages	6,29	107,5	107,7	120,5	146,1	137,2	94,5
Textiles, clothing, leather and footwear	3,12	94,4	89,3	99,5	95,6	66,5	59,8
Textiles	0,78	100,3	103,2	113,9	106,1	57,5	69,1
Other textile products	0,40	96,2	91,0	102,5	106,4	61,5	68,1
Knitted, crocheted articles	0,09	83,2	86,9	78,4	74,4	48,1	48,7
Wearing apparel	1,04	94,7	85,1	94,7	90,1	70,4	47,8
Leather and leather products	0,46	69,9	67,3	75,3	64,9	56,4	55,9
Footwear	0,35	114,0	98,9	115,9	122,9	99,1	73,8
Wood and wood products, paper, publishing and printing	11,45	97,4	102,4	105,2	104,0	78,0	78,1
Sawmilling and planing of wood	1,73	99,4	93,6	100,7	96,8	69,5	82,8
Products of wood	2,57	107,9	101,8	117,8	111,1	72,8	76,6
Paper and paper products	4,14	97,7	110,4	100,9	99,6	86,8	83,4
Publishing	1,43	78,8	94,6	94,3	90,2	68,1	61,2
Printing, recorded media	1,58	94,5	99,3	111,0	124,7	81,9	76,7
Petroleum, chemical products, rubber and plastic products	23,07	100,6	96,7	111,0	110,1	91,9	95,4
Coke, petroleum products and nuclear fuel	8,67	101,5	93,1	114,8	110,6	100,6	106,5
Basic chemicals	4,29	98,0	97,0	104,0	103,5	87,4	100,3
Other chemical products	6,19	97,6	94,7	106,7	109,4	93,1	83,7
Rubber products	1,24	101,6	103,1	105,7	102,1	53,5	80,1
Plastic products	2,68	108,7	109,5	121,9	124,6	86,0	85,7
Glass and non-metallic mineral products	3,18	98,9	93,6	105,0	99,6	70,9	72,7
Glass and glass products	0,66	123,1	106,8	133,3	131,1	106,8	107,5
Non-metallic mineral products	2,52	92,6	90,2	97,6	91,3	61,5	63,6
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,69	99,8	102,9	111,0	106,7	81,0	84,1
Basic iron and steel products	3,57	90,4	108,5	124,5	110,0	89,9	111,4
Non-ferrous metal products	2,58	100,7	98,8	105,0	106,4	85,6	90,0
Structural metal products	1,99	95,7	94,5	100,3	101,1	58,5	63,1
Other fabricated metal products	3,79	106,6	101,2	114,2	107,4	65,4	78,7
General purpose machinery	2,58	105,1	104,7	105,7	110,2	88,7	70,2
Special purpose machinery	3,41	99,5	106,9	110,0	102,9	92,8	76,8
Household appliances	0,77	99,9	96,2	103,3	109,5	82,5	97,9
Electrical machinery	1,64	87,0	86,7	85,7	85,4	55,0	60,4
Radio, television and communication apparatus and professional equipment	1,54	91,8	97,3	103,7	107,1	86,7	67,3
Radio, television and communication apparatus	0,90	98,7	105,1	112,3	114,5	91,9	72,6
Professional equipment	0,64	82,1	86,5	91,8	96,7	79,4	59,8
Motor vehicles, parts and accessories and other transport equipment	7,56	125,0	103,0	119,1	105,7	53,9	76,0
Motor vehicles	2,82	132,5	100,1	120,8	97,9	31,5	60,8
Bodies for motor vehicles, trailers and semi-trailers	0,47	126,8	108,2	137,8	124,1	64,0	77,7
Parts and accessories	3,04	134,5	107,1	128,9	117,8	61,3	93,7
Other transport equipment	1,23	83,5	97,3	83,8	86,7	82,8	66,2
Furniture and other manufacturing	3,11	105,7	99,9	116,3	115,9	81,0	83,4
Furniture	1,07	87,8	85,6	105,8	107,6	70,2	59,2
Other manufacturing groups	2,04	115,1	107,5	121,8	120,3	86,7	96,2
Total	100	105,3	102,8	113,2	111,6	88,2	86,3

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	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20
Food and beverages	3,4	2,6	4,2	3,5	-1,2	-0,1
Meat, fish, fruit, etc.	-2,5	-2,6	3,9	-2,3	-3,0	0,2
Dairy products	9,8	11,7	11,9	-3,2	7,8	-2,7
Grain mill products	-3,1	1,1	2,8	-1,7	-2,1	0,9
Other food products	5,9	6,5	8,9	5,5	1,7	6,0
Beverages	7,5	0,1	-3,4	10,8	-4,5	-6,8
Textiles, clothing, leather and footwear	-2,3	-5,9	-9,8	-14,5	-8,9	-10,3
Textiles	-2,4	1,5	-4,0	-10,5	-8,0	-11,2
Other textile products	-11,0	-14,2	-13,3	-12,2	-16,1	-2,6
Knitted, crocheted articles	-14,0	-8,4	-18,9	-24,0	-14,1	-30,7
Wearing apparel	4,3	-4,3	-5,3	-11,8	-3,0	-12,9
Leather and leather products	-20,3	-21,6	-22,8	-28,9	-26,8	-21,5
Footwear	15,9	2,1	-13,8	-15,5	3,2	10,5
Wood and wood products, paper, publishing and printing	-7,1	-6,2	-6,1	-8,5	-10,2	-6,7
Sawmilling and planing of wood	-10,2	-5,8	-13,3	-8,8	-6,1	-3,4
Products of wood	-0,4	-13,7	-3,6	-6,3	-2,4	-6,4
Paper and paper products	-8,7	-5,2	-5,8	-12,4	-15,4	-9,5
Publishing	-14,8	-0,2	-3,3	-9,8	-14,1	-4,2
Printing, recorded media	-3,4	-0,9	-5,1	-1,6	-6,0	-4,1
Petroleum, chemical products, rubber and plastic products	-4,3	-2,9	1,5	-2,1	-5,9	-0,7
Coke, petroleum products and nuclear fuel	-3,3	-5,8	7,7	-0,3	-11,1	-1,8
Basic chemicals	-6,1	7,3	0,5	-1,2	0,1	7,4
Other chemical products	-5,9	-6,7	-3,5	-4,5	-3,0	-2,9
Rubber products	-0,2	4,7	-3,1	-2,9	6,4	-6,6
Plastic products	-2,3	-2,8	-2,7	-3,0	-4,4	-2,5
Glass and non-metallic mineral products	-6,7	-6,9	-8,5	-11,2	-11,9	1,3
Glass and glass products	5,8	-5,9	8,7	0,6	-4,6	12,9
Non-metallic mineral products	-10,4	-7,1	-13,4	-14,9	-14,8	-3,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	-7,4	-4,7	-2,5	-2,8	-4,1	-1,3
Basic iron and steel products	-19,7	-12,2	-0,5	-7,7	-7,4	7,5
Non-ferrous metal products	-12,1	-8,9	-8,9	-2,7	-15,6	-12,8
Structural metal products	4,0	-0,1	2,8	0,6	1,6	-2,6
Other fabricated metal products	-6,2	-6,6	-4,0	-8,0	-10,5	-4,3
General purpose machinery	3,5	8,2	-0,1	7,8	12,8	6,5
Special purpose machinery	-8,1	-3,8	-2,7	-1,6	0,0	-3,8
Household appliances	5,2	6,9	0,2	3,6	7,0	2,9
Electrical machinery	-2,8	-2,5	-8,0	-7,4	-5,2	-4,9
Radio, television and communication apparatus and professional equipment	-6,2	1,4	3,9	-1,0	-12,5	-7,0
Radio, television and communication apparatus	-7,8	1,6	9,1	-3,5	-11,4	-8,1
Professional equipment	-3,8	1,1	-3,9	3,3	-14,3	-5,2
Motor vehicles, parts and accessories and other transport equipment	11,1	-3,2	-0,3	-13,8	-22,8	-5,6
Motor vehicles	14,5	-6,5	-2,3	-17,3	-43,0	-23,2
Bodies for motor vehicles, trailers and semi-trailers	7,8	-8,6	12,4	-0,7	-5,9	-2,4
Parts and accessories	12,4	-2,2	-0,5	-16,0	-22,1	6,6
Other transport equipment	-2,5	5,2	0,5	-1,0	1,2	1,4
Furniture and other manufacturing	6,8	-4,5	-2,0	-10,2	-8,9	-2,9
Furniture	-7,5	-11,1	-6,1	-10,5	-4,1	0,0
Other manufacturing groups	13,7	-1,3	0,0	-10,0	-10,7	-3,7
Total	-1,5	-2,3	-0,4	-3,3	-5,9	-2,0

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	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20
Food and beverages	26,64	0,9	0,7	1,2	1,0	-0,4	0,0
Meat, fish, fruit, etc.	6,69	-0,2	-0,2	0,3	-0,2	-0,2	0,0
Dairy products	2,15	0,2	0,3	0,3	-0,1	0,2	-0,1
Grain mill products	3,37	-0,1	0,0	0,1	-0,1	-0,1	0,0
Other food products	8,14	0,6	0,6	0,8	0,5	0,1	0,5
Beverages	6,29	0,4	0,0	-0,2	0,8	-0,4	-0,5
Textiles, clothing, leather and footwear	3,12	-0,1	-0,2	-0,3	-0,4	-0,2	-0,2
Textiles	0,78	0,0	0,0	0,0	-0,1	0,0	-0,1
Other textile products	0,40	0,0	-0,1	-0,1	-0,1	-0,1	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	-0,1	-0,1	-0,1	-0,1	-0,1	-0,1
Footwear	0,35	0,1	0,0	-0,1	-0,1	0,0	0,0
Wood and wood products, paper, publishing and printing	11,45	-0,8	-0,7	-0,7	-1,0	-1,1	-0,7
Sawmilling and planing of wood	1,73	-0,2	-0,1	-0,2	-0,1	-0,1	-0,1
Products of wood	2,57	0,0	-0,4	-0,1	-0,2	0,0	-0,2
Paper and paper products	4,14	-0,4	-0,2	-0,2	-0,5	-0,7	-0,4
Publishing	1,43	-0,2	0,0	0,0	-0,1	-0,2	0,0
Printing, recorded media	1,58	0,0	0,0	-0,1	0,0	-0,1	-0,1
Petroleum, chemical products, rubber and plastic products	23,07	-1,0	-0,6	0,3	-0,5	-1,4	-0,2
Coke, petroleum products and nuclear fuel	8,67	-0,3	-0,5	0,6	0,0	-1,2	-0,2
Basic chemicals	4,29	-0,3	0,3	0,0	0,0	0,0	0,3
Other chemical products	6,19	-0,4	-0,4	-0,2	-0,3	-0,2	-0,2
Rubber products	1,24	0,0	0,1	0,0	0,0	0,0	-0,1
Plastic products	2,68	-0,1	-0,1	-0,1	-0,1	-0,1	-0,1
Glass and non-metallic mineral products	3,18	-0,2	-0,2	-0,3	-0,3	-0,3	0,0
Glass and glass products	0,66	0,0	0,0	0,1	0,0	0,0	0,1
Non-metallic mineral products	2,52	-0,3	-0,2	-0,3	-0,3	-0,3	-0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,69	-1,4	-0,9	-0,5	-0,5	-0,7	-0,2
Basic iron and steel products	3,57	-0,7	-0,5	0,0	-0,3	-0,3	0,3
Non-ferrous metal products	2,58	-0,3	-0,2	-0,2	-0,1	-0,4	-0,4
Structural metal products	1,99	0,1	0,0	0,0	0,0	0,0	0,0
Other fabricated metal products	3,79	-0,2	-0,3	-0,2	-0,3	-0,3	-0,2
General purpose machinery	2,58	0,1	0,2	0,0	0,2	0,3	0,1
Special purpose machinery	3,41	-0,3	-0,1	-0,1	-0,1	0,0	-0,1
Household appliances	0,77	0,0	0,0	0,0	0,0	0,0	0,0
Electrical machinery	1,64	0,0	0,0	-0,1	-0,1	-0,1	-0,1
Radio, television and communication apparatus and professional equipment	1,54	-0,1	0,0	0,1	0,0	-0,2	-0,1
Radio, television and communication apparatus	0,90	-0,1	0,0	0,1	0,0	-0,1	-0,1
Professional equipment	0,64	0,0	0,0	0,0	0,0	-0,1	0,0
Motor vehicles, parts and accessories and other transport equipment	7,56	0,9	-0,2	0,0	-1,1	-1,3	-0,4
Motor vehicles	2,82	0,4	-0,2	-0,1	-0,5	-0,7	-0,6
Bodies for motor vehicles, trailers and semi-trailers	0,47	0,0	0,0	0,1	0,0	0,0	0,0
Parts and accessories	3,04	0,4	-0,1	0,0	-0,6	-0,6	0,2
Other transport equipment	1,23	0,0	0,1	0,0	0,0	0,0	0,0
Furniture and other manufacturing	3,11	0,2	-0,1	-0,1	-0,4	-0,3	-0,1
Furniture	1,07	-0,1	-0,1	-0,1	-0,1	0,0	0,0
Other manufacturing groups	2,04	0,3	0,0	0,0	-0,2	-0,2	-0,1
Total	100	-1,5	-2,3	-0,4	-3,3	-5,9	-2,0

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	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Month-on-month % change
Food and beverages	26,64	109,4	110,3	112,2	106,6	108,8	2,1
Meat, fish, fruit, etc.	6,69	102,5	108,6	103,4	100,2	104,5	4,3
Dairy products	2,15	118,3	115,0	106,7	112,8	108,7	-3,6
Grain mill products	3,37	98,3	101,6	97,9	94,6	98,6	4,2
Other food products	8,14	117,9	117,4	121,4	114,1	119,5	4,7
Beverages	6,29	108,6	105,8	119,0	108,2	105,1	-2,9
Textiles, clothing, leather and footwear	3,12	85,3	83,4	79,0	81,8	81,7	-0,1
Textiles	0,78	97,7	95,5	94,1	89,4	88,3	-1,2
Other textile products	0,40	85,6	89,5	87,8	82,0	87,8	7,1
Knitted, crocheted articles	0,09	82,4	74,0	69,3	72,3	64,5	-10,8
Wearing apparel	1,04	79,3	77,7	70,1	78,7	78,2	-0,6
Leather and leather products	0,46	67,4	62,0	59,7	60,8	61,9	1,8
Footwear	0,35	99,9	97,4	90,4	104,6	101,6	-2,9
Wood and wood products, paper, publishing and printing	11,45	93,8	93,3	90,7	87,6	90,4	3,2
Sawmilling and planing of wood	1,73	94,6	86,6	93,8	92,7	95,0	2,5
Products of wood	2,57	96,8	98,3	95,3	95,4	94,6	-0,8
Paper and paper products	4,14	96,6	98,3	90,7	86,4	90,6	4,9
Publishing	1,43	80,1	80,6	75,3	70,0	74,8	6,9
Printing, recorded media	1,58	92,9	91,1	93,5	88,6	92,3	4,2
Petroleum, chemical products, rubber and plastic products	23,07	95,5	102,6	101,1	97,5	101,4	4,0
Coke, petroleum products and nuclear fuel	8,67	93,1	114,8	110,6	100,6	106,5	5,9
Basic chemicals	4,29	96,9	91,3	91,2	93,5	103,3	10,5
Other chemical products	6,19	92,4	94,5	95,7	94,9	94,4	-0,5
Rubber products	1,24	104,7	93,5	92,7	92,8	93,2	0,4
Plastic products	2,68	104,2	104,1	102,4	102,4	102,0	-0,4
Glass and non-metallic mineral products	3,18	88,5	88,9	86,7	92,9	94,2	1,4
Glass and glass products	0,66	101,1	117,3	112,5	112,4	117,6	4,6
Non-metallic mineral products	2,52	85,2	81,5	79,9	87,8	88,1	0,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,69	99,3	101,3	99,7	97,4	98,9	1,5
Basic iron and steel products	3,57	107,4	118,3	108,1	106,6	109,5	2,7
Non-ferrous metal products	2,58	99,6	98,7	104,8	94,6	95,0	0,4
Structural metal products	1,99	87,8	87,6	86,8	82,7	83,6	1,1
Other fabricated metal products	3,79	97,1	100,1	96,1	91,3	97,7	7,0
General purpose machinery	2,58	100,7	93,7	99,4	100,9	96,4	-4,5
Special purpose machinery	3,41	99,8	101,5	99,0	101,8	101,6	-0,2
Household appliances	0,77	95,2	95,9	98,6	101,9	103,6	1,7
Electrical machinery	1,64	79,8	79,3	76,1	73,5	76,4	3,9
Radio, television and communication apparatus and professional equipment	1,54	90,8	91,3	90,1	86,8	88,5	2,0
Radio, television and communication apparatus	0,90	96,3	96,1	93,7	90,5	94,3	4,2
Professional equipment	0,64	83,0	84,6	85,0	81,6	80,4	-1,5
Motor vehicles, parts and accessories and other transport equipment	7,56	97,3	106,7	94,2	91,9	93,8	2,1
Motor vehicles	2,82	96,1	101,1	86,6	83,2	88,2	6,0
Bodies for motor vehicles, trailers and semi-trailers	0,47	103,8	120,7	107,8	101,8	102,6	0,8
Parts and accessories	3,04	103,7	119,0	103,9	101,9	101,1	-0,8
Other transport equipment	1,23	81,8	83,8	82,7	83,2	85,1	2,3
Furniture and other manufacturing	3,11	94,8	96,6	93,2	95,7	98,6	3,0
Furniture	1,07	81,4	84,1	81,0	83,6	90,0	7,7
Other manufacturing groups	2,04	102,0	103,2	99,6	102,1	103,1	1,0
Total	100	99,0	101,9	100,1	97,1	99,5	2,5

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

Month	2014	2015	2016	2017	2018	2019	2020 ¹
Jan	134 022	133 473	137 588	147 728	154 687	169 331	167 951
Feb	151 015	148 453	160 923	163 040	173 909	184 231	
Mar	156 523	167 441	169 906	182 917	185 238	201 129	
Apr	148 251	147 271	160 631	158 360	165 218	189 590	
May	153 108	158 343	173 256	179 649	191 930	199 608	
Jun	161 108	163 277	177 291	183 043	191 836	199 200	
Jul	150 687	163 881	170 938	174 766	193 760	202 907	
Aug	161 424	161 763	177 283	186 082	201 305	211 321	
Sep	168 001	172 491	184 513	188 393	204 075	204 710	
Oct	181 283	178 929	183 891	197 103	220 644	222 511	
Nov	176 286	179 830	195 991	213 656	225 502	221 034	
Dec	152 737	155 988	163 327	173 384	182 375	176 730	
Total	1 894 445	1 931 140	2 055 538	2 148 121	2 290 479	2 382 302	

¹ The latest three months are preliminary.

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

Month	2015	2016	2017	2018	2019	2020	2020 year-to-date
Jan	-0,4	3,1	7,4	4,7	9,5	-0,8	-0,8
Feb	-1,7	8,4	1,3	6,7	5,9		
Mar	7,0	1,5	7,7	1,3	8,6		
Apr	-0,7	9,1	-1,4	4,3	14,8		
May	3,4	9,4	3,7	6,8	4,0		
Jun	1,3	8,6	3,2	4,8	3,8		
Jul	8,8	4,3	2,2	10,9	4,7		
Aug	0,2	9,6	5,0	8,2	5,0		
Sep	2,7	7,0	2,1	8,3	0,3		
Oct	-1,3	2,8	7,2	11,9	0,8		
Nov	2,0	9,0	9,0	5,5	-2,0		
Dec	2,1	4,7	6,2	5,2	-3,1		
Total	1,9	6,4	4,5	6,6	4,0		

Table 10 – Seasonally adjusted manufacturing sales at current prices

Month	R million				Month-on-month % change			
	2017	2018	2019	2020	2017	2018	2019	2020
Jan	175 564	182 361	198 429	195 974	1,1	-2,9	0,0	3,7
Feb	173 146	184 855	195 633		-1,4	1,4	-1,4	
Mar	175 857	185 001	198 752		1,6	0,1	1,6	
Apr	176 245	177 187	204 611		0,2	-4,2	2,9	
May	177 688	189 409	196 541		0,8	6,9	-3,9	
Jun	177 855	188 589	199 849		0,1	-0,4	1,7	
Jul	177 362	193 613	200 332		-0,3	2,7	0,2	
Aug	179 155	192 564	204 003		1,0	-0,5	1,8	
Sep	179 299	198 901	197 540		0,1	3,3	-3,2	
Oct	179 071	198 901	200 211		-0,1	0,0	1,4	
Nov	188 898	197 963	195 823		5,5	-0,5	-2,2	
Dec	187 753	198 416	188 936		-0,6	0,2	-3,5	

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

Manufacturing division and major group	Aug-19	Sep-19	Oct-19	¹ Nov-19	¹ Dec-19	¹ Jan-20
Food and beverages	48 600	47 693	52 742	53 895	53 734	41 597
Meat, fish, fruit, etc.	13 491	12 864	14 421	14 637	14 247	11 424
Dairy products	4 368	4 413	4 633	4 461	4 436	4 116
Grain mill products	6 858	6 851	7 241	7 431	6 888	6 451
Other food products	10 680	10 349	11 767	10 528	9 404	8 729
Beverages	13 203	13 217	14 680	16 838	18 759	10 876
Textiles, clothing, leather and footwear	5 419	5 222	5 820	5 995	4 020	3 561
Textiles	707	754	801	750	412	517
Other textile products	1 704	1 549	1 738	1 823	1 052	1 129
Knitted, crocheted articles	218	215	228	213	126	133
Wearing apparel	1 733	1 683	1 857	1 963	1 406	957
Leather and leather products	490	484	549	513	425	433
Footwear	566	538	647	734	598	392
Wood and wood products, paper, publishing and printing	13 852	15 598	15 201	15 786	12 154	11 366
Sawmilling and planing of wood	943	920	961	919	557	813
Products of wood	1 969	1 978	2 234	2 254	1 436	1 498
Paper and paper products	6 795	8 006	6 905	7 150	6 434	5 670
Publishing	1 401	1 745	1 707	1 707	1 245	1 115
Printing, recorded media	2 745	2 949	3 393	3 755	2 482	2 270
Petroleum, chemical products, rubber and plastic products	42 004	39 454	43 736	45 653	38 149	38 236
Coke, petroleum products and nuclear fuel	13 100	11 090	12 954	13 457	13 493	14 054
Basic chemicals	9 214	8 628	9 369	10 030	7 384	7 847
Other chemical products	12 067	11 912	12 802	13 548	11 448	10 379
Rubber products	1 522	1 567	1 583	1 675	1 112	1 228
Plastic products	6 101	6 256	7 027	6 942	4 711	4 729
Glass and non-metallic mineral products	6 080	5 844	6 613	6 398	4 213	4 279
Glass and glass products	1 090	1 106	1 362	1 322	983	973
Non-metallic mineral products	4 989	4 738	5 251	5 077	3 230	3 306
Basic iron and steel, non-ferrous metal products, metal products and machinery	47 190	46 640	50 206	48 028	34 680	35 565
Basic iron and steel products	10 255	9 700	10 822	10 591	7 217	8 143
Non-ferrous metal products	15 956	15 657	16 868	15 705	11 126	12 148
Structural metal products	3 309	3 513	3 733	3 763	2 290	2 230
Other fabricated metal products	6 877	6 383	7 266	6 824	4 286	4 892
General purpose machinery	4 291	4 223	4 320	4 310	3 497	2 911
Special purpose machinery	5 344	6 056	5 873	5 449	5 216	4 134
Household appliances	1 158	1 109	1 325	1 386	1 047	1 107
Electrical machinery	4 876	4 816	4 911	4 903	3 525	3 496
Radio, television and communication apparatus and professional equipment	2 151	2 225	2 289	2 519	2 170	1 423
Radio, television and communication apparatus	1 140	1 174	1 195	1 383	1 154	713
Professional equipment	1 012	1 051	1 094	1 136	1 016	710
Motor vehicles, parts and accessories and other transport equipment	33 604	29 808	32 677	29 610	17 234	22 626
Motor vehicles	20 710	17 706	19 979	18 205	10 198	13 792
Bodies for motor vehicles, trailers and semi-trailers	1 388	1 195	1 580	1 497	805	816
Parts and accessories	8 761	7 701	8 350	7 051	3 497	5 830
Other transport equipment	2 745	3 207	2 769	2 858	2 733	2 189
Furniture and other manufacturing	7 545	7 410	8 315	8 247	6 851	5 801
Furniture	1 442	1 402	1 783	1 784	1 214	900
Other manufacturing groups	6 103	6 007	6 532	6 463	5 638	4 901
Total	211 321	204 710	222 511	221 034	176 730	167 951

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	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20
Food and beverages	5,7	7,0	7,4	4,1	4,4	-3,1
Meat, fish, fruit, etc.	6,2	0,0	6,5	0,1	1,9	5,0
Dairy products	11,2	13,0	6,2	5,6	7,0	1,9
Grain mill products	9,9	13,4	10,0	7,6	11,3	7,3
Other food products	-2,6	16,6	18,8	4,9	5,9	-14,8
Beverages	8,6	2,5	-0,3	5,4	2,7	-7,3
Textiles, clothing, leather and footwear	-1,4	-4,0	-6,0	-8,1	-8,5	-6,0
Textiles	-3,2	2,3	-5,3	-11,8	-11,0	-7,2
Other textile products	-3,0	-10,3	-8,4	-8,9	-13,1	-2,0
Knitted, crocheted articles	-10,3	-7,7	-12,3	-16,1	-17,1	-27,7
Wearing apparel	1,2	0,8	-0,6	-0,4	0,4	-5,3
Leather and leather products	-16,4	-19,9	-21,1	-24,4	-22,0	-12,9
Footwear	20,7	14,7	3,9	-4,4	-4,0	1,0
Wood and wood products, paper, publishing and printing	-4,1	1,4	-2,6	-3,0	-6,2	-4,6
Sawmilling and planing of wood	-5,9	2,3	-12,3	-5,4	-7,0	-2,3
Products of wood	-2,5	-9,1	-2,2	3,3	4,8	2,5
Paper and paper products	-5,4	2,4	-4,3	-7,2	-8,5	-8,5
Publishing	-10,1	5,4	0,2	-3,7	-10,8	-2,5
Printing, recorded media	2,3	4,2	2,7	3,0	-2,9	-0,5
Petroleum, chemical products, rubber and plastic products	-0,9	-7,0	-7,5	-1,1	-2,9	4,6
Coke, petroleum products and nuclear fuel	-8,6	-21,5	-17,5	-5,9	-4,3	9,3
Basic chemicals	2,6	-2,2	-7,3	1,6	-6,1	1,7
Other chemical products	4,1	0,5	-0,7	1,9	1,2	3,5
Rubber products	4,2	8,4	-0,3	0,7	6,4	11,8
Plastic products	1,2	1,7	0,5	-1,3	-5,3	-2,3
Glass and non-metallic mineral products	0,1	1,1	-2,6	-4,1	-5,9	1,4
Glass and glass products	6,3	5,4	7,0	-3,9	0,5	6,6
Non-metallic mineral products	-1,2	0,1	-4,8	-4,2	-7,7	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	4,8	2,3	4,9	-0,9	-10,0	-4,3
Basic iron and steel products	-10,2	-23,6	-6,2	-15,2	-21,7	-17,4
Non-ferrous metal products	22,1	20,9	16,1	6,9	-20,4	-4,0
Structural metal products	-0,2	6,7	6,9	4,5	11,2	1,8
Other fabricated metal products	-0,3	-0,8	-0,2	-6,2	-7,7	-1,9
General purpose machinery	12,3	15,1	6,0	11,8	16,7	14,8
Special purpose machinery	-2,2	11,4	2,6	2,8	9,7	4,3
Household appliances	8,7	2,4	9,2	8,1	15,4	14,6
Electrical machinery	-1,6	-3,9	-1,2	-6,1	0,1	-2,0
Radio, television and communication apparatus and professional equipment	-1,8	3,3	1,8	3,0	-12,9	-4,6
Radio, television and communication apparatus	-2,4	3,2	5,1	1,5	-14,2	-5,2
Professional equipment	-1,0	3,3	-1,5	4,9	-11,2	-3,9
Motor vehicles, parts and accessories and other transport equipment	23,9	-2,8	0,7	-11,2	-4,8	2,0
Motor vehicles	40,3	-3,4	2,2	-9,2	2,9	5,0
Bodies for motor vehicles, trailers and semi-trailers	10,4	5,6	13,8	8,8	3,7	-12,3
Parts and accessories	4,2	-6,9	-5,5	-22,4	-27,2	-3,7
Other transport equipment	1,9	9,6	3,5	1,3	4,8	5,9
Furniture and other manufacturing	-0,5	4,5	2,1	-4,1	-3,9	4,4
Furniture	-2,9	-2,4	-1,2	-4,7	-3,7	0,9
Other manufacturing groups	0,0	6,3	3,0	-4,0	-4,0	5,1
Total	5,0	0,3	0,8	-2,0	-3,1	-0,8

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	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20
Food and beverages	1,3	1,5	1,6	0,9	1,2	-0,8
Meat, fish, fruit, etc.	0,4	0,0	0,4	0,0	0,1	0,3
Dairy products	0,2	0,2	0,1	0,1	0,2	0,0
Grain mill products	0,3	0,4	0,3	0,2	0,4	0,3
Other food products	-0,1	0,7	0,8	0,2	0,3	-0,9
Beverages	0,5	0,2	0,0	0,4	0,3	-0,5
Textiles, clothing, leather and footwear	0,0	-0,1	-0,2	-0,2	-0,2	-0,1
Textiles	0,0	0,0	0,0	0,0	0,0	0,0
Other textile products	0,0	-0,1	-0,1	-0,1	-0,1	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	-0,1	-0,1	-0,1	0,0
Footwear	0,0	0,0	0,0	0,0	0,0	0,0
Wood and wood products, paper, publishing and printing	-0,3	0,1	-0,2	-0,2	-0,4	-0,3
Sawmilling and planing of wood	0,0	0,0	-0,1	0,0	0,0	0,0
Products of wood	0,0	-0,1	0,0	0,0	0,0	0,0
Paper and paper products	-0,2	0,1	-0,1	-0,2	-0,3	-0,3
Publishing	-0,1	0,0	0,0	0,0	-0,1	0,0
Printing, recorded media	0,0	0,1	0,0	0,0	0,0	0,0
Petroleum, chemical products, rubber and plastic products	-0,2	-1,5	-1,6	-0,2	-0,6	1,0
Coke, petroleum products and nuclear fuel	-0,6	-1,5	-1,2	-0,4	-0,3	0,7
Basic chemicals	0,1	-0,1	-0,3	0,1	-0,3	0,1
Other chemical products	0,2	0,0	0,0	0,1	0,1	0,2
Rubber products	0,0	0,1	0,0	0,0	0,0	0,1
Plastic products	0,0	0,1	0,0	0,0	-0,1	-0,1
Glass and non-metallic mineral products	0,0	0,0	-0,1	-0,1	-0,1	0,0
Glass and glass products	0,0	0,0	0,0	0,0	0,0	0,0
Non-metallic mineral products	0,0	0,0	-0,1	-0,1	-0,1	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	1,1	0,5	1,1	-0,2	-2,1	-0,9
Basic iron and steel products	-0,6	-1,5	-0,3	-0,8	-1,1	-1,0
Non-ferrous metal products	1,4	1,3	1,1	0,4	-1,6	-0,3
Structural metal products	0,0	0,1	0,1	0,1	0,1	0,0
Other fabricated metal products	0,0	0,0	0,0	-0,2	-0,2	-0,1
General purpose machinery	0,2	0,3	0,1	0,2	0,3	0,2
Special purpose machinery	-0,1	0,3	0,1	0,1	0,3	0,1
Household appliances	0,0	0,0	0,1	0,0	0,1	0,1
Electrical machinery	0,0	-0,1	0,0	-0,1	0,0	0,0
Radio, television and communication apparatus and professional equipment	0,0	0,0	0,0	0,0	-0,2	0,0
Radio, television and communication apparatus	0,0	0,0	0,0	0,0	-0,1	0,0
Professional equipment	0,0	0,0	0,0	0,0	-0,1	0,0
Motor vehicles, parts and accessories and other transport equipment	3,2	-0,4	0,1	-1,7	-0,5	0,3
Motor vehicles	3,0	-0,3	0,2	-0,8	0,2	0,4
Bodies for motor vehicles, trailers and semi-trailers	0,1	0,0	0,1	0,1	0,0	-0,1
Parts and accessories	0,2	-0,3	-0,2	-0,9	-0,7	-0,1
Other transport equipment	0,0	0,1	0,0	0,0	0,1	0,1
Furniture and other manufacturing	0,0	0,2	0,1	-0,2	-0,2	0,1
Furniture	0,0	0,0	0,0	0,0	0,0	0,0
Other manufacturing groups	0,0	0,2	0,1	-0,1	-0,1	0,1
Total	5,0	0,3	0,8	-2,0	-3,1	-0,8

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

Manufacturing division and major group	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Month-on-month % change
Food and beverages	46 997	47 865	47 902	46 877	47 392	1,1
Meat, fish, fruit, etc.	12 663	13 516	13 097	12 887	13 382	3,8
Dairy products	4 371	4 243	4 214	4 208	4 245	0,9
Grain mill products	6 812	6 838	6 839	6 831	6 923	1,3
Other food products	10 052	10 220	9 644	9 632	9 777	1,5
Beverages	13 098	13 049	14 109	13 320	13 064	-1,9
Textiles, clothing, leather and footwear	4 967	4 968	4 845	4 776	4 799	0,5
Textiles	700	664	640	644	650	0,9
Other textile products	1 475	1 525	1 490	1 383	1 463	5,8
Knitted, crocheted articles	210	206	194	181	180	-0,6
Wearing apparel	1 569	1 564	1 535	1 537	1 523	-0,9
Leather and leather products	476	478	468	467	467	0,0
Footwear	536	531	519	565	515	-8,8
Wood and wood products, paper, publishing and printing	13 915	13 639	13 344	13 003	13 287	2,2
Sawmilling and planing of wood	883	818	875	737	893	21,2
Products of wood	1 853	1 858	1 880	1 878	1 903	1,3
Paper and paper products	6 910	6 743	6 460	6 405	6 372	-0,5
Publishing	1 452	1 472	1 371	1 285	1 370	6,6
Printing, recorded media	2 818	2 748	2 758	2 697	2 750	2,0
Petroleum, chemical products, rubber and plastic products	38 646	39 009	40 454	39 912	41 565	4,1
Coke, petroleum products and nuclear fuel	11 564	12 192	12 753	12 961	13 970	7,8
Basic chemicals	8 219	8 134	8 714	8 129	8 509	4,7
Other chemical products	11 446	11 399	11 818	11 889	11 900	0,1
Rubber products	1 564	1 423	1 470	1 476	1 523	3,2
Plastic products	5 853	5 861	5 700	5 456	5 662	3,8
Glass and non-metallic mineral products	5 592	5 523	5 459	5 606	5 605	0,0
Glass and glass products	1 034	1 053	1 033	1 048	1 115	6,4
Non-metallic mineral products	4 558	4 470	4 426	4 558	4 490	-1,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	45 473	46 240	44 401	40 107	41 911	4,5
Basic iron and steel products	9 607	10 241	9 774	9 172	8 698	-5,2
Non-ferrous metal products	15 561	15 864	14 855	11 313	13 101	15,8
Structural metal products	3 258	3 248	3 207	3 141	3 107	-1,1
Other fabricated metal products	6 197	6 301	5 965	5 794	6 177	6,6
General purpose machinery	4 069	3 966	3 986	3 893	3 944	1,3
Special purpose machinery	5 676	5 429	5 409	5 539	5 619	1,4
Household appliances	1 105	1 189	1 204	1 256	1 263	0,6
Electrical machinery	4 497	4 645	4 402	4 514	4 491	-0,5
Radio, television and communication apparatus and professional equipment	2 086	2 099	2 114	2 067	1 980	-4,2
Radio, television and communication apparatus	1 065	1 080	1 080	1 076	1 028	-4,5
Professional equipment	1 021	1 019	1 033	991	952	-3,9
Motor vehicles, parts and accessories and other transport equipment	28 024	28 935	25 706	24 928	27 447	10,1
Motor vehicles	16 464	17 131	15 592	15 485	16 698	7,8
Bodies for motor vehicles, trailers and semi-trailers	1 180	1 314	1 269	1 186	1 142	-3,7
Parts and accessories	7 665	7 720	6 094	5 568	6 812	22,3
Other transport equipment	2 715	2 770	2 751	2 689	2 795	3,9
Furniture and other manufacturing	7 343	7 289	7 195	7 146	7 499	4,9
Furniture	1 366	1 390	1 346	1 354	1 393	2,9
Other manufacturing groups	5 977	5 900	5 849	5 792	6 106	5,4
Total	197 540	200 211	195 823	188 936	195 974	3,7

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 *Standard Industrial Classification of all Economic Activities* (SIC), Fifth Edition, Report No. 09-90-02, was used to classify the statistical units in the survey. The SIC is based on the 1990 *International Standard Industrial Classification of all Economic Activities* (ISIC) with suitable adaptations for local conditions. Each enterprise is classified to an industry which reflects its predominant activity. Statistics in this publication are presented at SIC division (two digit) and major group (three digit) level.
- Collection rate**
- 9 The preliminary collection rate for the survey on manufacturing production and sales for January 2020 was 81,5%. The improved collection rate for December 2019 was 84,1%.
- Statistical unit**
- 10 The statistical unit for which information is compiled and published is an enterprise, defined as a legal unit or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.
- Revised figures**
- 11 Revised figures are mainly due to late submission of data to Stats SA, or respondents reporting revisions or corrections to their figures. Preliminary figures, as indicated in the relevant tables, are subject to change and when revised will not be indicated as such.

- 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 2020	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 – 2020 (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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