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Contents

Production: results for November 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 November 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 November 2020

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

	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20
Year-on-year % change, unadjusted	-13,2	-9,6	-10,4	-2,0	-3,4	-3,5
Month-on-month % change, seasonally adjusted	21,7	5,7	3,6	2,8	3,2	-1,3
3-month % change, seasonally adjusted ¹	-28,7	-1,1	21,7	33,2	17,4	8,9

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

Manufacturing production decreased by 3,5% in November 2020 compared with November 2019. The largest contributions were made by the following divisions:

- petroleum, chemical products, rubber and plastic products (-9,6% and contributing -2,1 percentage points);
- food and beverages (-2,9% and contributing -0,9 of a percentage point); and
- basic iron and steel, non-ferrous metal products, metal products and machinery (-3,9% and contributing -0,7 of a percentage point) – see Tables 5 and 6.

Seasonally adjusted manufacturing production decreased by 1,3% in November 2020 compared with October 2020. This followed month-on-month changes of 3,2% in October 2020 and 2,8% in September 2020 – see Table A.

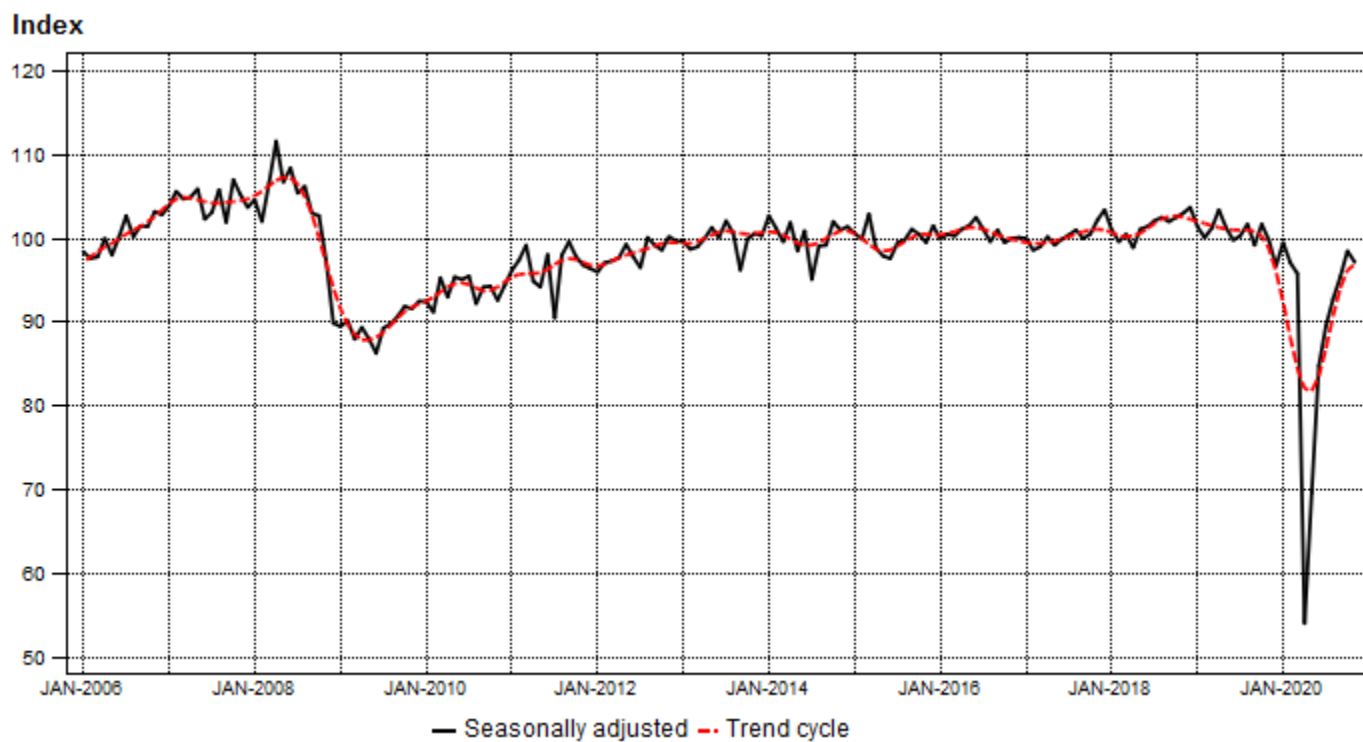
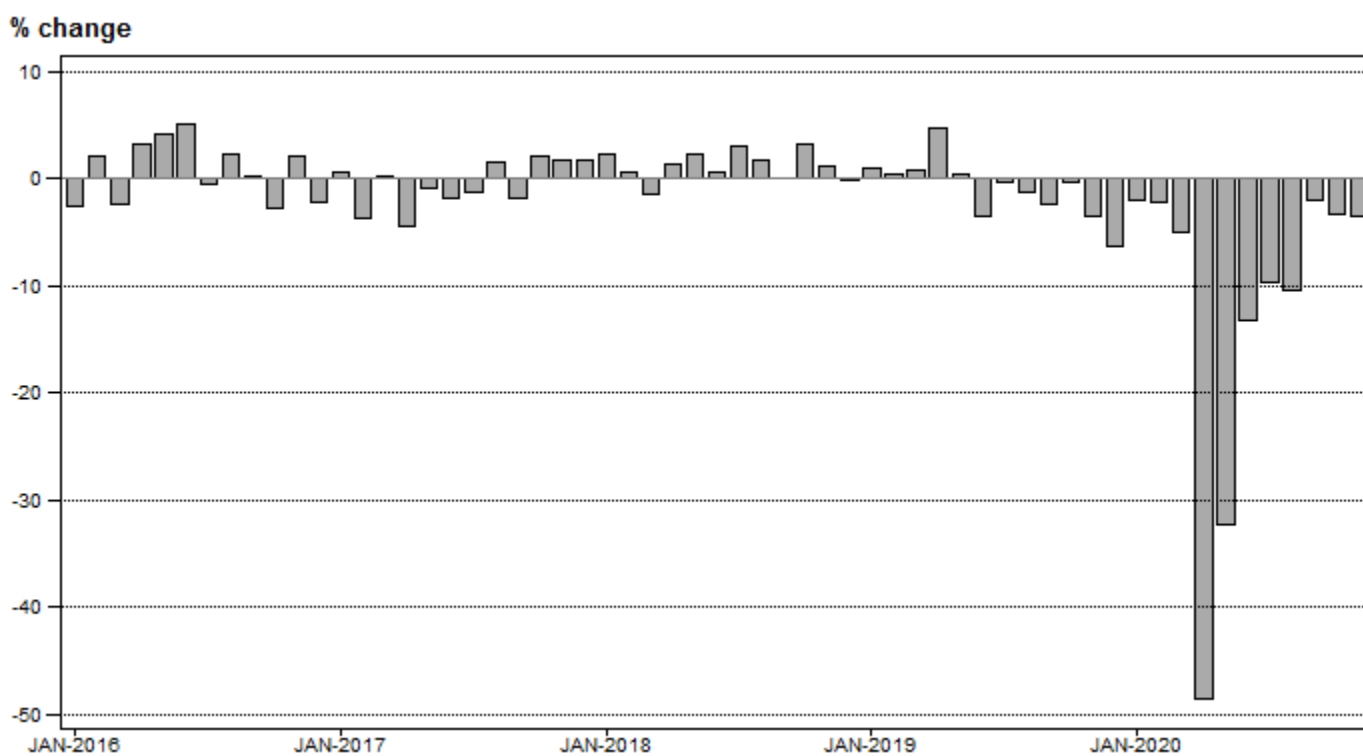
Seasonally adjusted manufacturing production increased by 8,9% in the three months ended November 2020 compared with the previous three months. All ten manufacturing divisions reported positive growth rates over this period.

The largest contributions were made by the following divisions:

- food and beverages (7,9% and contributing 2,5 percentage points);
- motor vehicles, parts and accessories and other transport equipment (30,3% and contributing 1,9 percentage points);
- basic iron and steel, non-ferrous metal products, metal products and machinery (7,4% and contributing 1,4 percentage points); and
- wood and wood products, paper, publishing and printing (12,6% and contributing 1,3 percentage points) – 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	Jun – Aug 2020	Sep – Nov 2020	% change between Jun – Aug 2020 and Sep – Nov 2020	Contribution (% points) to the total % change
Food and beverages	27,14	102,8	110,9	7,9	2,5
Meat, fish, fruit, etc.	6,75	103,0	104,7	1,7	0,1
Dairy products	2,27	112,9	114,9	1,8	0,1
Grain mill products	3,55	98,1	97,0	-1,1	0,0
Other food products	8,45	113,1	118,2	4,5	0,5
Beverages	6,12	87,4	114,1	30,5	1,8
Textiles, clothing, leather and footwear	3,08	75,4	82,0	8,8	0,2
Textiles	0,77	104,6	104,1	-0,5	0,0
Other textile products	0,39	59,9	76,3	27,4	0,1
Knitted, crocheted articles	0,09	60,0	67,1	11,8	0,0
Wearing apparel	1,02	66,3	71,3	7,5	0,1
Leather and leather products	0,46	54,4	63,3	16,4	0,0
Footwear	0,35	86,7	99,1	14,3	0,0
Wood and wood products, paper, publishing and printing	11,46	78,8	88,7	12,6	1,3
Sawmilling and planing of wood	1,74	77,3	91,3	18,1	0,3
Products of wood	2,61	89,0	104,1	17,0	0,4
Paper and paper products	4,13	87,8	90,3	2,8	0,1
Publishing	1,43	58,1	66,8	15,0	0,1
Printing, recorded media	1,55	58,4	75,9	30,0	0,3
Petroleum, chemical products, rubber and plastic products	22,52	92,5	93,4	1,0	0,2
Coke, petroleum products and nuclear fuel	8,34	85,3	81,3	-4,7	-0,4
Basic chemicals	4,15	94,7	103,9	9,7	0,4
Other chemical products	6,15	99,1	96,1	-3,0	-0,2
Rubber products	1,19	89,1	98,3	10,3	0,1
Plastic products	2,69	98,0	106,2	8,4	0,2
Glass and non-metallic mineral products	3,06	81,9	92,6	13,1	0,4
Glass and glass products	0,65	103,2	114,7	11,1	0,1
Non-metallic mineral products	2,41	76,1	86,6	13,8	0,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,59	88,2	94,7	7,4	1,4
Basic iron and steel products	3,49	81,9	85,4	4,3	0,1
Non-ferrous metal products	2,68	97,0	97,3	0,3	0,0
Structural metal products	2,02	76,4	83,9	9,8	0,2
Other fabricated metal products	3,73	96,4	104,5	8,4	0,3
General purpose machinery	2,57	93,9	97,8	4,2	0,1
Special purpose machinery	3,35	85,4	95,4	11,7	0,4
Household appliances	0,75	71,1	95,2	33,9	0,2
Electrical machinery	1,64	67,9	75,7	11,5	0,1
Radio, television and communication apparatus and professional equipment	1,52	81,7	91,4	11,9	0,2
Radio, television and communication apparatus	0,91	81,7	93,5	14,4	0,1
Professional equipment	0,61	81,6	88,2	8,1	0,0
Motor vehicles, parts and accessories and other transport equipment	7,96	71,7	93,4	30,3	1,9
Motor vehicles	3,03	60,7	85,2	40,4	0,8
Bodies for motor vehicles, trailers and semi-trailers	0,49	117,4	126,4	7,7	0,0
Parts and accessories	3,21	80,5	105,1	30,6	0,9
Other transport equipment	1,23	57,3	70,0	22,2	0,2
Furniture and other manufacturing	3,03	66,6	89,5	34,4	0,8
Furniture	1,06	59,1	77,3	30,8	0,2
Other manufacturing groups	1,97	70,7	96,0	35,8	0,6
Total	100	89,1	97,0	8,9	8,9

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 November 2020**Table C – Key growth rates in manufacturing sales at current prices**

	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20
Year-on-year % change, unadjusted	-15,8	-11,4	-11,9	-1,7	-0,4	1,9
Month-on-month % change, seasonally adjusted	18,8	6,3	4,9	3,9	3,5	1,2
3-month % change, seasonally adjusted ¹	-30,5	-2,2	22,1	35,7	19,5	12,3

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

Seasonally adjusted manufacturing sales increased by 1,2% in November 2020 compared with October 2020. This followed month-on-month changes of 3,5% in October 2020 and 3,9% in September 2020 – see Table C.

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

Manufacturing division	Jun – Aug 2020 (R million)	Sep – Nov 2020 (R million)	% change between Jun – Aug 2020 and Sep – Nov 2020	Contribution (% points) to the total % change
Food and beverages	139 070	151 718	9,1	2,4
Textiles, clothing, leather and footwear	12 662	14 321	13,1	0,3
Wood and wood products, paper, publishing and printing	36 095	39 596	9,7	0,7
Petroleum, chemical products, rubber and plastic products	106 163	110 633	4,2	0,8
Glass and non-metallic mineral products	15 176	17 249	13,7	0,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	117 370	133 830	14,0	3,1
Electrical machinery	12 439	14 063	13,1	0,3
Radio, television and communication apparatus and professional equipment	5 714	6 731	17,8	0,2
Motor vehicles, parts and accessories and other transport equipment	64 909	80 986	24,8	3,1
Furniture and other manufacturing	16 011	21 171	32,2	1,0
Total	525 607	590 299	12,3	12,3

Risenga Maluleke
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	86,4
Feb	95,5	95,6	97,6	94,0	94,6	95,1	93,1
Mar	99,6	103,8	101,4	101,7	100,2	101,0	95,9
Apr	94,5	92,4	95,4	91,1	92,3	96,6	49,6
May	99,2	97,4	101,4	100,6	103,0	103,4	70,0
Jun	99,8	98,8	103,8	101,9	102,5	99,0	85,9
Jul	97,5	102,0	101,5	100,3	103,3	102,9	93,0
Aug	101,4	101,2	103,5	105,2	107,0	105,6	94,6
Sep	105,5	107,0	107,3	105,3	105,3	102,9	100,8
Oct	113,2	110,9	107,8	110,1	113,7	113,3	109,5
Nov	111,1	109,7	112,1	114,1	115,5	111,4	107,5
Dec	93,9	94,1	92,0	93,7	93,6	87,7	
Total	100,0	100,0	100,7	100,3	101,5	100,6	

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	-1,9	-1,9
Feb	0,1	2,1	-3,7	0,6	0,5	-2,1	-2,0
Mar	4,2	-2,3	0,3	-1,5	0,8	-5,0	-3,1
Apr	-2,2	3,2	-4,5	1,3	4,7	-48,7	-14,6
May	-1,8	4,1	-0,8	2,4	0,4	-32,3	-18,4
Jun	-1,0	5,1	-1,8	0,6	-3,4	-13,2	-17,5
Jul	4,6	-0,5	-1,2	3,0	-0,4	-9,6	-16,3
Aug	-0,2	2,3	1,6	1,7	-1,3	-10,4	-15,6
Sep	1,4	0,3	-1,9	0,0	-2,3	-2,0	-14,0
Oct	-2,0	-2,8	2,1	3,3	-0,4	-3,4	-12,8
Nov	-1,3	2,2	1,8	1,2	-3,5	-3,5	-11,9
Dec	0,2	-2,2	1,8	-0,1	-6,3		
Total	0,0	0,7	-0,4	1,2	-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	100,0	101,0	101,4	99,5	-0,1	-2,3	-2,2	2,9
Feb	98,6	99,6	100,1	97,1	-1,4	-1,4	-1,3	-2,4
Mar	99,0	100,5	101,2	95,8	0,4	0,9	1,1	-1,3
Apr	100,2	98,9	103,4	54,1	1,2	-1,6	2,2	-43,5
May	99,2	101,1	101,3	69,7	-1,0	2,2	-2,0	28,8
Jun	99,9	101,4	99,8	84,8	0,7	0,3	-1,5	21,7
Jul	100,4	102,1	100,3	89,6	0,5	0,7	0,5	5,7
Aug	101,0	102,5	101,7	92,8	0,6	0,4	1,4	3,6
Sep	100,0	102,0	99,2	95,4	-1,0	-0,5	-2,5	2,8
Oct	100,5	102,5	101,7	98,5	0,5	0,5	2,5	3,2
Nov	102,2	103,0	99,8	97,2	1,7	0,5	-1,9	-1,3
Dec	103,4	103,7	96,7		1,2	0,7	-3,1	

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

Manufacturing division and major group	Weights	Jun-20	Jul-20	Aug-20	¹ Sep-20	¹ Oct-20	¹ Nov-20
Food and beverages	27,14	103,8	100,8	108,2	116,4	122,9	122,0
Meat, fish, fruit, etc.	6,75	101,5	104,2	104,1	104,0	114,5	107,6
Dairy products	2,27	100,4	107,7	115,7	123,5	123,0	126,1
Grain mill products	3,55	100,7	99,9	99,7	102,6	100,4	102,5
Other food products	8,45	120,1	126,0	129,1	127,8	132,9	132,2
Beverages	6,12	87,1	60,1	85,9	119,6	131,5	133,6
Textiles, clothing, leather and footwear	3,08	67,0	81,6	85,3	89,6	97,1	97,4
Textiles	0,77	94,1	114,3	110,3	123,3	113,6	116,5
Other textile products	0,39	52,1	65,2	64,9	66,3	96,4	99,8
Knitted, crocheted articles	0,09	56,0	58,7	77,2	82,0	74,0	62,1
Wearing apparel	1,02	59,4	72,2	80,3	77,3	89,0	90,7
Leather and leather products	0,46	45,3	51,6	56,3	65,8	76,6	67,3
Footwear	0,35	76,9	100,2	107,5	110,1	118,3	121,2
Wood and wood products, paper, publishing and printing	11,46	74,5	82,5	85,7	94,3	101,6	103,9
Sawmilling and planing of wood	1,74	65,6	90,1	89,4	96,9	100,9	93,6
Products of wood	2,61	83,9	97,0	101,1	108,6	125,1	122,1
Paper and paper products	4,13	89,3	87,8	87,5	100,7	96,2	99,7
Publishing	1,43	50,5	57,6	68,7	77,1	75,8	87,5
Printing, recorded media	1,55	51,4	58,5	66,8	66,3	100,7	111,3
Petroleum, chemical products, rubber and plastic products	22,52	89,4	96,4	94,9	95,8	103,4	99,6
Coke, petroleum products and nuclear fuel	8,34	80,8	88,4	86,6	83,7	85,3	74,9
Basic chemicals	4,15	89,9	98,4	98,8	107,1	119,7	110,5
Other chemical products	6,15	98,6	102,3	100,2	98,6	106,3	110,4
Rubber products	1,19	90,5	96,7	95,4	101,9	103,3	110,4
Plastic products	2,69	93,9	104,1	102,3	107,2	128,1	130,3
Glass and non-metallic mineral products	3,06	80,1	94,5	91,7	97,0	109,6	105,9
Glass and glass products	0,65	86,6	108,8	121,4	119,0	131,3	136,5
Non-metallic mineral products	2,41	78,3	90,6	83,6	91,0	103,7	97,6
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,59	84,2	95,5	90,7	97,7	105,4	102,6
Basic iron and steel products	3,49	70,6	76,3	81,1	84,0	97,6	83,9
Non-ferrous metal products	2,68	96,4	102,2	98,0	99,7	104,9	95,8
Structural metal products	2,02	81,7	84,1	81,3	84,9	92,9	105,4
Other fabricated metal products	3,73	89,8	111,2	103,2	110,4	123,1	113,9
General purpose machinery	2,57	90,9	109,9	97,5	109,9	101,8	108,6
Special purpose machinery	3,35	84,0	93,6	84,6	98,6	104,0	105,5
Household appliances	0,75	61,0	72,9	76,0	80,3	107,1	117,5
Electrical machinery	1,64	66,5	72,0	74,6	84,5	84,6	81,8
Radio, television and communication apparatus and professional equipment	1,52	79,6	81,8	81,1	94,1	101,9	114,1
Radio, television and communication apparatus	0,91	80,0	80,3	79,8	97,4	105,4	121,2
Professional equipment	0,61	78,9	84,0	83,0	89,3	96,8	103,6
Motor vehicles, parts and accessories and other transport equipment	7,96	62,8	86,8	84,2	91,0	113,2	105,1
Motor vehicles	3,03	55,8	80,4	76,8	79,4	112,2	102,2
Bodies for motor vehicles, trailers and semi-trailers	0,49	121,3	130,0	122,8	140,8	137,3	140,0
Parts and accessories	3,21	66,9	95,1	93,0	101,4	125,2	114,3
Other transport equipment	1,23	46,1	63,3	64,0	72,3	74,5	74,3
Furniture and other manufacturing	3,03	52,5	65,7	83,9	93,7	110,9	109,0
Furniture	1,06	44,8	56,0	81,8	85,5	96,4	98,4
Other manufacturing groups	1,97	56,7	71,0	85,0	98,0	118,8	114,6
Total	100	85,9	93,0	94,6	100,8	109,5	107,5

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	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20
Food and beverages	-5,3	-10,1	-5,9	3,5	0,1	-2,9
Meat, fish, fruit, etc.	0,1	0,0	0,0	1,2	0,4	-3,9
Dairy products	-2,4	-1,7	-2,3	2,5	-3,7	7,2
Grain mill products	3,7	-4,0	2,2	3,6	-5,4	-4,1
Other food products	-12,3	-5,3	-4,7	0,3	-3,1	0,5
Beverages	-4,0	-38,2	-20,1	11,0	9,1	-8,6
Textiles, clothing, leather and footwear	-19,0	-13,2	-9,6	0,3	-2,4	1,9
Textiles	-0,2	6,0	10,0	19,5	-0,3	9,8
Other textile products	-40,9	-26,7	-32,5	-27,1	-6,0	-6,2
Knitted, crocheted articles	-38,1	-30,9	-7,2	-5,6	-5,6	-16,5
Wearing apparel	-14,3	-24,2	-15,2	-9,2	-6,0	0,7
Leather and leather products	-37,1	-18,5	-19,5	-2,2	1,7	3,7
Footwear	-24,8	-7,2	-5,7	11,3	2,1	-1,4
Wood and wood products, paper, publishing and printing	-21,9	-14,9	-12,1	-7,9	-3,5	0,2
Sawmilling and planing of wood	-32,2	-19,1	-10,1	3,5	0,2	-3,3
Products of wood	-17,5	-4,9	-6,3	6,7	6,2	9,9
Paper and paper products	-11,1	-8,2	-10,4	-8,8	-4,7	1,0
Publishing	-35,3	-27,2	-12,8	-18,5	-19,6	-3,0
Printing, recorded media	-40,2	-36,2	-29,3	-33,2	-9,3	-10,7
Petroleum, chemical products, rubber and plastic products	-0,4	3,1	-5,8	-0,9	-6,8	-9,6
Coke, petroleum products and nuclear fuel	-3,5	4,4	-14,7	-10,1	-25,7	-32,3
Basic chemicals	2,3	3,7	0,8	10,4	15,1	6,8
Other chemical products	7,5	10,8	2,7	4,1	-0,4	0,9
Rubber products	-8,6	-15,3	-6,1	-1,2	-2,3	8,1
Plastic products	-8,9	-7,0	-5,9	-2,1	5,1	4,6
Glass and non-metallic mineral products	-13,7	-2,2	-7,5	3,5	4,2	6,1
Glass and glass products	-15,6	1,1	-1,4	11,4	-1,5	4,1
Non-metallic mineral products	-13,2	-3,2	-9,7	0,9	6,3	6,9
Basic iron and steel, non-ferrous metal products, metal products and machinery	-16,0	-5,4	-9,1	-5,0	-5,0	-3,9
Basic iron and steel products	-32,1	-16,7	-10,3	-22,6	-21,6	-23,7
Non-ferrous metal products	-6,6	-0,6	-2,7	0,9	-0,1	-10,0
Structural metal products	-9,5	-11,6	-15,0	-10,2	-7,4	4,3
Other fabricated metal products	-9,9	3,2	-3,2	9,1	7,8	6,1
General purpose machinery	-11,1	9,6	-7,2	5,0	-3,7	-1,8
Special purpose machinery	-16,6	-10,3	-15,0	-7,8	-5,5	2,5
Household appliances	-33,6	-32,1	-23,9	-16,5	3,7	7,3
Electrical machinery	-21,3	-15,3	-14,5	-3,1	-1,4	-4,4
Radio, television and communication apparatus and professional equipment	-4,4	-7,3	-11,8	-3,6	-2,0	5,9
Radio, television and communication apparatus	-2,6	-12,5	-19,1	-7,3	-6,1	5,2
Professional equipment	-7,3	1,3	1,1	3,2	5,4	7,2
Motor vehicles, parts and accessories and other transport equipment	-42,0	-29,7	-32,9	-11,7	-5,2	1,3
Motor vehicles	-49,7	-35,1	-42,0	-20,7	-7,1	4,4
Bodies for motor vehicles, trailers and semi-trailers	3,2	8,4	-3,2	30,1	-0,4	12,8
Parts and accessories	-40,9	-33,3	-30,9	-5,3	-2,9	0,9
Other transport equipment	-45,6	-14,3	-23,4	-25,7	-11,1	-12,7
Furniture and other manufacturing	-43,5	-36,1	-20,6	-6,2	-4,6	-5,6
Furniture	-45,8	-34,7	-6,8	-0,1	-8,9	-8,6
Other manufacturing groups	-42,3	-36,6	-26,2	-8,9	-2,5	-4,3
Total	-13,2	-9,6	-10,4	-2,0	-3,4	-3,5

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	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20
Food and beverages	27,14	-1,6	-3,0	-1,7	1,0	0,0	-0,9
Meat, fish, fruit, etc.	6,75	0,0	0,0	0,0	0,1	0,0	-0,3
Dairy products	2,27	-0,1	0,0	-0,1	0,1	-0,1	0,2
Grain mill products	3,55	0,1	-0,1	0,1	0,1	-0,2	-0,1
Other food products	8,45	-1,4	-0,6	-0,5	0,0	-0,3	0,1
Beverages	6,12	-0,2	-2,2	-1,3	0,7	0,6	-0,7
Textiles, clothing, leather and footwear	3,08	-0,5	-0,4	-0,3	0,0	-0,1	0,0
Textiles	0,77	0,0	0,0	0,1	0,2	0,0	0,1
Other textile products	0,39	-0,1	-0,1	-0,1	-0,1	0,0	0,0
Knitted, crocheted articles	0,09	0,0	0,0	0,0	0,0	0,0	0,0
Wearing apparel	1,02	-0,1	-0,2	-0,1	-0,1	-0,1	0,0
Leather and leather products	0,46	-0,1	-0,1	-0,1	0,0	0,0	0,0
Footwear	0,35	-0,1	0,0	0,0	0,0	0,0	0,0
Wood and wood products, paper, publishing and printing	11,46	-2,4	-1,6	-1,3	-0,9	-0,4	0,0
Sawmilling and planing of wood	1,74	-0,5	-0,4	-0,2	0,1	0,0	0,0
Products of wood	2,61	-0,5	-0,1	-0,2	0,2	0,2	0,3
Paper and paper products	4,13	-0,5	-0,3	-0,4	-0,4	-0,2	0,0
Publishing	1,43	-0,4	-0,3	-0,1	-0,2	-0,2	0,0
Printing, recorded media	1,55	-0,5	-0,5	-0,4	-0,5	-0,1	-0,2
Petroleum, chemical products, rubber and plastic products	22,52	-0,1	0,6	-1,2	-0,2	-1,5	-2,1
Coke, petroleum products and nuclear fuel	8,34	-0,2	0,3	-1,2	-0,8	-2,2	-2,7
Basic chemicals	4,15	0,1	0,1	0,0	0,4	0,6	0,3
Other chemical products	6,15	0,4	0,6	0,2	0,2	0,0	0,1
Rubber products	1,19	-0,1	-0,2	-0,1	0,0	0,0	0,1
Plastic products	2,69	-0,2	-0,2	-0,2	-0,1	0,1	0,1
Glass and non-metallic mineral products	3,06	-0,4	-0,1	-0,2	0,1	0,1	0,2
Glass and glass products	0,65	-0,1	0,0	0,0	0,1	0,0	0,0
Non-metallic mineral products	2,41	-0,3	-0,1	-0,2	0,0	0,1	0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,59	-3,0	-1,0	-1,6	-0,9	-0,9	-0,7
Basic iron and steel products	3,49	-1,2	-0,5	-0,3	-0,8	-0,8	-0,8
Non-ferrous metal products	2,68	-0,2	0,0	-0,1	0,0	0,0	-0,3
Structural metal products	2,02	-0,2	-0,2	-0,3	-0,2	-0,1	0,1
Other fabricated metal products	3,73	-0,4	0,1	-0,1	0,3	0,3	0,2
General purpose machinery	2,57	-0,3	0,2	-0,2	0,1	-0,1	0,0
Special purpose machinery	3,35	-0,6	-0,3	-0,5	-0,3	-0,2	0,1
Household appliances	0,75	-0,2	-0,3	-0,2	-0,1	0,0	0,1
Electrical machinery	1,64	-0,3	-0,2	-0,2	0,0	0,0	-0,1
Radio, television and communication apparatus and professional equipment	1,52	-0,1	-0,1	-0,2	-0,1	0,0	0,1
Radio, television and communication apparatus	0,91	0,0	-0,1	-0,2	-0,1	-0,1	0,0
Professional equipment	0,61	0,0	0,0	0,0	0,0	0,0	0,0
Motor vehicles, parts and accessories and other transport equipment	7,96	-3,7	-2,8	-3,1	-0,9	-0,4	0,1
Motor vehicles	3,03	-1,7	-1,3	-1,6	-0,6	-0,2	0,1
Bodies for motor vehicles, trailers and semi-trailers	0,49	0,0	0,0	0,0	0,2	0,0	0,1
Parts and accessories	3,21	-1,5	-1,5	-1,3	-0,2	-0,1	0,0
Other transport equipment	1,23	-0,5	-0,1	-0,2	-0,3	-0,1	-0,1
Furniture and other manufacturing	3,03	-1,2	-1,1	-0,6	-0,2	-0,1	-0,2
Furniture	1,06	-0,4	-0,3	-0,1	0,0	-0,1	-0,1
Other manufacturing groups	1,97	-0,8	-0,8	-0,6	-0,2	-0,1	-0,1
Total	100	-13,2	-9,6	-10,4	-2,0	-3,4	-3,5

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	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Month-on-month % change
Food and beverages	27,14	98,5	106,4	110,0	112,1	110,5	-1,4
Meat, fish, fruit, etc.	6,75	103,7	104,6	102,9	109,2	102,1	-6,5
Dairy products	2,27	112,0	116,0	116,9	111,4	116,4	4,5
Grain mill products	3,55	97,2	99,4	99,5	97,8	93,6	-4,3
Other food products	8,45	111,2	117,5	115,1	117,8	121,6	3,2
Beverages	6,12	71,2	93,4	114,4	115,8	112,1	-3,2
Textiles, clothing, leather and footwear	3,08	75,9	82,1	82,8	80,7	82,4	2,1
Textiles	0,77	107,9	113,6	112,5	96,7	103,1	6,6
Other textile products	0,39	63,2	64,3	65,0	80,0	83,8	4,8
Knitted, crocheted articles	0,09	55,8	71,9	73,3	68,6	59,3	-13,6
Wearing apparel	1,02	61,3	71,6	71,3	71,8	70,9	-1,3
Leather and leather products	0,46	60,7	57,5	62,1	64,0	63,8	-0,3
Footwear	0,35	87,6	97,9	100,2	97,6	99,4	1,8
Wood and wood products, paper, publishing and printing	11,46	80,2	83,3	86,1	89,3	90,7	1,6
Sawmilling and planing of wood	1,74	79,1	87,7	93,8	88,5	91,5	3,4
Products of wood	2,61	91,5	97,4	101,7	104,1	106,4	2,2
Paper and paper products	4,13	89,6	86,6	88,4	91,2	91,3	0,1
Publishing	1,43	58,9	63,0	66,0	66,0	68,3	3,5
Printing, recorded media	1,55	57,2	64,4	63,6	81,7	82,5	1,0
Petroleum, chemical products, rubber and plastic products	22,52	94,6	93,9	93,3	95,1	91,8	-3,5
Coke, petroleum products and nuclear fuel	8,34	88,4	86,6	83,7	85,3	74,9	-12,2
Basic chemicals	4,15	96,1	97,1	103,3	106,3	102,2	-3,9
Other chemical products	6,15	101,0	98,8	95,2	95,2	97,8	2,7
Rubber products	1,19	86,0	93,8	95,9	94,4	104,6	10,8
Plastic products	2,69	100,1	100,1	101,9	108,2	108,6	0,4
Glass and non-metallic mineral products	3,06	85,3	86,9	89,7	94,3	93,8	-0,5
Glass and glass products	0,65	108,6	111,1	113,1	114,9	116,2	1,1
Non-metallic mineral products	2,41	79,0	80,3	83,3	88,7	87,7	-1,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,59	92,4	89,9	93,1	95,2	95,8	0,6
Basic iron and steel products	3,49	85,7	87,2	83,6	89,5	83,0	-7,3
Non-ferrous metal products	2,68	98,7	97,1	98,1	98,1	95,8	-2,3
Structural metal products	2,02	75,2	79,6	79,8	81,9	90,1	10,0
Other fabricated metal products	3,73	102,1	99,3	103,2	106,8	103,5	-3,1
General purpose machinery	2,57	103,0	93,5	101,7	93,6	98,2	4,9
Special purpose machinery	3,35	89,8	82,9	91,9	94,1	100,3	6,6
Household appliances	0,75	75,2	76,0	81,7	98,9	105,1	6,3
Electrical machinery	1,64	67,7	72,9	76,1	76,5	74,4	-2,7
Radio, television and communication apparatus and professional equipment	1,52	82,6	79,3	88,4	90,5	95,3	5,3
Radio, television and communication apparatus	0,91	82,5	75,6	89,8	92,2	98,6	6,9
Professional equipment	0,61	82,7	84,7	86,3	88,0	90,4	2,7
Motor vehicles, parts and accessories and other transport equipment	7,96	75,5	80,8	86,0	99,4	94,9	-4,5
Motor vehicles	3,03	63,4	69,1	75,1	87,7	92,7	5,7
Bodies for motor vehicles, trailers and semi-trailers	0,49	117,7	119,6	134,4	120,5	124,3	3,2
Parts and accessories	3,21	84,7	92,0	96,7	117,2	101,3	-13,6
Other transport equipment	1,23	64,5	64,6	65,2	73,1	71,7	-1,9
Furniture and other manufacturing	3,03	62,1	82,9	87,3	92,3	88,9	-3,7
Furniture	1,06	54,8	77,4	80,1	76,8	74,9	-2,5
Other manufacturing groups	1,97	66,1	85,9	91,1	100,6	96,3	-4,3
Total	100	89,6	92,8	95,4	98,5	97,2	-1,3

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	168 088
Feb	151 015	148 453	160 923	163 040	173 909	184 231	189 141
Mar	156 523	167 441	169 906	182 917	185 238	201 129	190 760
Apr	148 251	147 271	160 631	158 360	165 218	189 590	93 502
May	153 108	158 343	173 256	179 649	191 930	199 608	138 457
Jun	161 108	163 277	177 291	183 043	191 836	199 200	167 697
Jul	150 687	163 881	170 938	174 766	193 760	202 907	179 737
Aug	161 424	161 763	177 283	186 082	201 305	211 321	186 140
Sep	168 001	172 491	184 513	188 393	204 075	204 710	201 313
Oct	181 283	178 929	183 891	197 103	220 644	222 511	221 666
Nov	176 286	179 830	195 991	213 656	225 502	220 858	224 982
Dec	152 737	155 988	163 327	173 384	182 375	176 429	
Total	1 894 445	1 931 140	2 055 538	2 148 121	2 290 479	2 381 825	

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	-0,7	-0,7
Feb	-1,7	8,4	1,3	6,7	5,9	2,7	1,0
Mar	7,0	1,5	7,7	1,3	8,6	-5,2	-1,2
Apr	-0,7	9,1	-1,4	4,3	14,8	-50,7	-13,8
May	3,4	9,4	3,7	6,8	4,0	-30,6	-17,4
Jun	1,3	8,6	3,2	4,8	3,8	-15,8	-17,1
Jul	8,8	4,3	2,2	10,9	4,7	-11,4	-16,2
Aug	0,2	9,6	5,0	8,2	5,0	-11,9	-15,7
Sep	2,7	7,0	2,1	8,3	0,3	-1,7	-14,0
Oct	-1,3	2,8	7,2	11,9	0,8	-0,4	-12,5
Nov	2,0	9,0	9,0	5,5	-2,1	1,9	-11,1
Dec	2,1	4,7	6,2	5,2	-3,3		
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	175 268	182 211	198 208	195 904	1,2	-2,6	0,3	4,4
Feb	172 794	184 138	194 497	200 039	-1,4	1,1	-1,9	2,1
Mar	176 269	186 022	199 919	189 190	2,0	1,0	2,8	-5,4
Apr	176 320	177 032	204 784	102 070	0,0	-4,8	2,4	-46,0
May	177 989	189 794	196 974	139 223	0,9	7,2	-3,8	36,4
Jun	178 176	188 994	200 592	165 380	0,1	-0,4	1,8	18,8
Jul	177 451	193 506	200 288	175 818	-0,4	2,4	-0,2	6,3
Aug	179 808	193 597	205 190	184 409	1,3	0,0	2,4	4,9
Sep	179 124	198 763	197 683	191 515	-0,4	2,7	-3,7	3,9
Oct	178 675	198 418	199 347	198 241	-0,3	-0,2	0,8	3,5
Nov	188 863	197 399	194 812	200 543	5,7	-0,5	-2,3	1,2
Dec	186 983	197 676	187 725		-1,0	0,1	-3,6	

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

Manufacturing division and major group	Jun-20	Jul-20	Aug-20	¹ Sep-20	¹ Oct-20	¹ Nov-20
Food and beverages	45 752	42 362	47 909	51 541	56 580	56 157
Meat, fish, fruit, etc.	13 343	13 959	14 082	14 491	15 426	15 209
Dairy products	3 945	4 227	4 327	4 551	4 683	4 809
Grain mill products	7 393	7 474	7 454	7 566	8 326	8 335
Other food products	9 574	9 765	10 906	10 045	12 411	11 400
Beverages	11 498	6 936	11 139	14 888	15 734	16 404
Textiles, clothing, leather and footwear	3 811	4 271	4 820	5 047	5 639	5 918
Textiles	617	745	735	784	753	731
Other textile products	966	1 170	1 153	1 265	1 649	1 673
Knitted, crocheted articles	160	179	218	226	198	182
Wearing apparel	1 199	1 178	1 645	1 587	1 829	1 984
Leather and leather products	426	454	461	553	541	569
Footwear	443	546	608	632	670	779
Wood and wood products, paper, publishing and printing	11 524	11 995	13 249	14 054	15 000	16 059
Sawmilling and planing of wood	755	933	1 012	965	951	925
Products of wood	1 694	1 826	2 009	2 066	2 382	2 427
Paper and paper products	6 632	6 375	6 775	7 543	7 059	7 440
Publishing	943	1 022	1 364	1 481	1 424	1 717
Printing, recorded media	1 501	1 839	2 088	1 998	3 185	3 550
Petroleum, chemical products, rubber and plastic products	34 574	35 847	37 150	38 110	41 043	42 441
Coke, petroleum products and nuclear fuel	7 894	8 174	8 809	8 096	7 945	8 418
Basic chemicals	7 830	7 839	8 340	9 298	9 936	10 271
Other chemical products	12 152	12 725	12 817	12 877	14 159	14 709
Rubber products	1 336	1 516	1 449	1 633	1 714	1 658
Plastic products	5 363	5 593	5 736	6 206	7 288	7 385
Glass and non-metallic mineral products	4 696	5 668	5 707	6 149	6 831	6 723
Glass and glass products	757	1 098	1 128	1 246	1 539	1 508
Non-metallic mineral products	3 939	4 570	4 580	4 903	5 293	5 215
Basic iron and steel, non-ferrous metal products, metal products and machinery	38 546	41 769	40 421	45 682	47 749	49 183
Basic iron and steel products	8 558	8 641	8 981	8 873	8 870	9 881
Non-ferrous metal products	12 590	12 782	12 021	15 600	16 279	16 668
Structural metal products	2 853	2 977	3 046	3 106	3 409	3 570
Other fabricated metal products	5 599	6 905	6 524	6 963	7 841	7 271
General purpose machinery	3 545	4 527	4 175	4 619	4 224	4 395
Special purpose machinery	4 539	4 995	4 713	5 504	5 819	6 045
Household appliances	861	942	961	1 016	1 306	1 352
Electrical machinery	3 985	4 399	4 427	4 875	5 205	5 287
Radio, television and communication apparatus and professional equipment	1 879	1 858	1 898	2 115	2 643	2 821
Radio, television and communication apparatus	875	833	883	995	1 383	1 492
Professional equipment	1 004	1 025	1 016	1 120	1 260	1 329
Motor vehicles, parts and accessories and other transport equipment	18 662	26 495	23 590	27 171	32 614	32 025
Motor vehicles	10 812	16 149	13 466	15 615	18 762	18 121
Bodies for motor vehicles, trailers and semi-trailers	1 075	1 129	1 129	1 247	1 324	1 362
Parts and accessories	5 253	7 100	6 842	7 866	10 001	10 020
Other transport equipment	1 521	2 117	2 154	2 443	2 528	2 522
Furniture and other manufacturing	4 267	5 072	6 968	6 569	8 362	8 367
Furniture	708	886	1 113	1 342	1 595	1 606
Other manufacturing groups	3 559	4 186	5 855	5 227	6 767	6 761
Total	167 697	179 737	186 140	201 313	221 666	224 982

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	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20
Food and beverages	4,3	-6,5	-1,4	8,1	7,3	4,2
Meat, fish, fruit, etc.	5,6	8,0	4,4	12,6	7,0	3,9
Dairy products	0,1	2,1	-0,9	3,1	1,1	7,8
Grain mill products	14,1	6,4	8,7	10,4	15,0	12,2
Other food products	1,4	-1,0	2,1	-2,9	5,5	8,3
Beverages	1,2	-38,9	-15,6	12,6	7,2	-2,6
Textiles, clothing, leather and footwear	-22,0	-19,1	-11,1	-3,4	-3,1	-1,3
Textiles	-7,1	1,5	4,0	4,0	-6,0	-2,5
Other textile products	-36,7	-26,6	-32,3	-18,3	-5,1	-8,2
Knitted, crocheted articles	-31,3	-21,1	0,0	5,1	-13,2	-14,6
Wearing apparel	-13,6	-31,5	-5,1	-5,7	-1,5	1,1
Leather and leather products	-20,5	-2,6	-5,9	14,3	-1,5	10,9
Footwear	-17,8	1,7	7,4	17,5	3,6	6,1
Wood and wood products, paper, publishing and printing	-17,9	-13,0	-4,4	-9,9	-1,3	2,1
Sawmilling and planing of wood	-15,5	-2,2	7,3	4,9	-1,0	0,7
Products of wood	-18,4	-1,7	2,0	4,4	6,6	7,7
Paper and paper products	-7,7	-4,8	-0,3	-5,8	2,2	4,8
Publishing	-30,9	-32,3	-2,6	-15,1	-16,6	0,6
Printing, recorded media	-40,4	-33,7	-23,9	-32,2	-6,1	-5,5
Petroleum, chemical products, rubber and plastic products	-15,0	-11,6	-11,6	-3,4	-6,2	-7,0
Coke, petroleum products and nuclear fuel	-42,8	-40,1	-32,8	-27,0	-38,7	-37,4
Basic chemicals	-8,6	-4,1	-9,5	7,8	6,1	2,4
Other chemical products	8,2	15,4	6,2	8,1	10,6	8,6
Rubber products	-9,4	-4,5	-4,8	4,2	8,3	-1,0
Plastic products	-4,4	-8,5	-6,0	-0,8	3,7	6,4
Glass and non-metallic mineral products	-16,6	-5,2	-6,1	5,2	3,3	5,1
Glass and glass products	-19,7	2,8	3,5	12,7	13,0	14,1
Non-metallic mineral products	-16,0	-6,9	-8,2	3,5	0,8	2,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	-18,9	-11,6	-14,3	-2,1	-4,9	2,4
Basic iron and steel products	-30,9	-13,7	-12,4	-8,5	-18,0	-6,7
Non-ferrous metal products	-16,0	-21,0	-24,7	-0,4	-3,5	6,1
Structural metal products	-13,8	-14,3	-7,9	-11,6	-8,7	-5,1
Other fabricated metal products	-10,0	-0,9	-5,1	9,1	7,9	6,6
General purpose machinery	-15,7	14,0	-2,7	9,4	-2,2	1,6
Special purpose machinery	-13,3	-8,7	-11,8	-9,1	-0,9	10,9
Household appliances	-27,7	-20,3	-17,0	-8,4	-1,4	-2,5
Electrical machinery	-15,0	-8,8	-9,2	1,2	6,0	7,8
Radio, television and communication apparatus and professional equipment	-1,9	-8,4	-11,8	-4,9	15,5	11,8
Radio, television and communication apparatus	-2,5	-18,3	-22,5	-15,2	15,7	7,5
Professional equipment	-1,5	1,6	0,4	6,6	15,2	17,0
Motor vehicles, parts and accessories and other transport equipment	-35,5	-12,4	-29,8	-8,8	-0,2	8,4
Motor vehicles	-37,3	-9,0	-35,0	-11,8	-6,1	-0,5
Bodies for motor vehicles, trailers and semi-trailers	-16,9	-15,9	-18,7	4,4	-16,2	-9,0
Parts and accessories	-30,9	-18,8	-21,9	2,1	19,8	42,6
Other transport equipment	-45,4	-12,7	-21,5	-23,8	-8,7	-10,1
Furniture and other manufacturing	-39,5	-33,6	-7,6	-11,3	0,6	2,1
Furniture	-47,7	-37,3	-22,8	-4,3	-10,5	-10,0
Other manufacturing groups	-37,6	-32,8	-4,1	-13,0	3,6	5,5
Total	-15,8	-11,4	-11,9	-1,7	-0,4	1,9

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

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

Manufacturing division and major group	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Month-on-month % change
Food and beverages	43 272	48 405	49 555	51 506	50 657	-1,6
Meat, fish, fruit, etc.	13 969	14 100	14 000	14 422	13 762	-4,6
Dairy products	4 384	4 310	4 471	4 290	4 523	5,4
Grain mill products	7 253	7 425	7 411	7 973	7 658	-4,0
Other food products	9 634	10 363	9 858	10 765	10 619	-1,4
Beverages	8 032	12 208	13 816	14 057	14 095	0,3
Textiles, clothing, leather and footwear	4 114	4 671	4 771	4 723	4 827	2,2
Textiles	716	744	695	636	636	0,0
Other textile products	1 098	1 147	1 235	1 352	1 422	5,2
Knitted, crocheted articles	166	218	219	169	170	0,6
Wearing apparel	1 087	1 489	1 488	1 527	1 542	1,0
Leather and leather products	496	478	532	484	511	5,6
Footwear	550	595	602	556	546	-1,8
Wood and wood products, paper, publishing and printing	12 105	12 847	12 567	13 391	13 638	1,8
Sawmilling and planing of wood	848	901	912	843	884	4,9
Products of wood	1 795	1 949	1 932	1 999	2 061	3,1
Paper and paper products	6 586	6 644	6 556	6 796	6 753	-0,6
Publishing	1 047	1 271	1 243	1 247	1 308	4,9
Printing, recorded media	1 829	2 083	1 924	2 506	2 632	5,0
Petroleum, chemical products, rubber and plastic products	35 213	36 637	36 598	36 601	37 434	2,3
Coke, petroleum products and nuclear fuel	7 743	8 404	8 288	7 600	7 867	3,5
Basic chemicals	7 770	8 452	8 746	8 794	8 965	1,9
Other chemical products	12 829	12 640	12 252	12 627	12 940	2,5
Rubber products	1 409	1 450	1 541	1 530	1 506	-1,6
Plastic products	5 463	5 691	5 771	6 051	6 155	1,7
Glass and non-metallic mineral products	5 250	5 485	5 695	5 722	5 832	1,9
Glass and glass products	1 110	1 118	1 136	1 202	1 185	-1,4
Non-metallic mineral products	4 140	4 367	4 559	4 520	4 647	2,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	40 773	39 700	44 145	44 129	45 556	3,2
Basic iron and steel products	8 759	8 961	8 794	8 673	9 062	4,5
Non-ferrous metal products	12 933	11 740	15 465	15 287	15 816	3,5
Structural metal products	2 692	2 977	2 860	2 981	3 075	3,2
Other fabricated metal products	6 241	6 267	6 495	6 747	6 578	-2,5
General purpose machinery	4 449	3 953	4 432	3 910	4 043	3,4
Special purpose machinery	4 748	4 772	5 078	5 366	5 799	8,1
Household appliances	951	1 030	1 021	1 164	1 184	1,7
Electrical machinery	4 271	4 329	4 549	4 775	4 739	-0,8
Radio, television and communication apparatus and professional equipment	1 899	1 870	2 031	2 387	2 313	-3,1
Radio, television and communication apparatus	885	831	939	1 240	1 136	-8,4
Professional equipment	1 014	1 039	1 092	1 147	1 177	2,6
Motor vehicles, parts and accessories and other transport equipment	24 025	23 533	25 235	27 541	28 210	2,4
Motor vehicles	14 399	13 673	14 345	15 198	15 633	2,9
Bodies for motor vehicles, trailers and semi-trailers	1 005	1 096	1 173	1 113	1 155	3,8
Parts and accessories	6 488	6 538	7 603	8 764	8 981	2,5
Other transport equipment	2 133	2 226	2 115	2 467	2 441	-1,1
Furniture and other manufacturing	4 897	6 932	6 370	7 464	7 337	-1,7
Furniture	863	1 099	1 263	1 248	1 247	-0,1
Other manufacturing groups	4 034	5 833	5 107	6 216	6 090	-2,0
Total	175 818	184 409	191 515	198 241	200 543	1,2

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 was 67,7% for November 2020. The improved collection rates were 78,5% for October 2020 and 80,7% for September 2020.
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 <i>Stats in Brief</i> 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		
	2016 (based on value added for 2014 – 2016)	2017 (based on value added for 2015 – 2017)	2018 – 2020 (based on value added for 2016 – 2018)
Food and beverages	25,78	26,64	27,14
Meat, fish, fruit, etc.	6,59	6,69	6,75
Dairy products	2,00	2,15	2,27
Grain mill products	3,12	3,37	3,55
Other food products	7,74	8,14	8,45
Beverages	6,33	6,29	6,12
Textiles, clothing, leather and footwear	3,21	3,12	3,08
Textiles	0,80	0,78	0,77
Other textile products	0,41	0,40	0,39
Knitted, crocheted articles	0,09	0,09	0,09
Wearing apparel	1,08	1,04	1,02
Leather and leather products	0,48	0,46	0,46
Footwear	0,35	0,35	0,35
Wood and wood products, paper, publishing and printing	11,28	11,45	11,46
Sawmilling and planing of wood	1,69	1,73	1,74
Products of wood	2,42	2,57	2,61
Paper and paper products	4,09	4,14	4,13
Publishing	1,45	1,43	1,43
Printing, recorded media	1,63	1,58	1,55
Petroleum, chemical products, rubber and plastic products	23,82	23,07	22,52
Coke, petroleum products and nuclear fuel	9,18	8,67	8,34
Basic chemicals	4,41	4,29	4,15
Other chemical products	6,15	6,19	6,15
Rubber products	1,30	1,24	1,19
Plastic products	2,78	2,68	2,69
Glass and non-metallic mineral products	3,53	3,18	3,06
Glass and glass products	0,69	0,66	0,65
Non-metallic mineral products	2,84	2,52	2,41
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,74	18,69	18,59
Basic iron and steel products	3,52	3,57	3,49
Non-ferrous metal products (including precious metals)	2,60	2,58	2,68
Structural metal products	1,92	1,99	2,02
Other fabricated metal products	3,84	3,79	3,73
General purpose machinery	2,57	2,58	2,57
Special purpose machinery	3,50	3,41	3,35
Household appliances	0,79	0,77	0,75
Electrical machinery	1,63	1,64	1,64
Radio, television and communication apparatus and professional equipment	1,59	1,54	1,52
Radio, television and communication apparatus	0,92	0,90	0,91
Professional equipment	0,67	0,64	0,61
Motor vehicles, parts and accessories and other transport equipment	7,20	7,56	7,96
Motor vehicles	2,60	2,82	3,03
Bodies for motor vehicles, trailers and semi-trailers	0,48	0,47	0,49
Parts and accessories	2,89	3,04	3,21
Other transport equipment	1,23	1,23	1,23
Furniture and other manufacturing	3,22	3,11	3,03
Furniture	1,08	1,07	1,06
Other manufacturing groups	2,14	2,04	1,97
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 Note: Owing to the impact of the COVID-19 lockdown, additive outlier and transitory change adjustments were applied to April 2020. Transitory (temporary) change describes a temporary effect on the level of a series after a certain point in time. The methodology will be reviewed as more data points are added to the time series.
Trend cycle	11	The trend is the long-term pattern or movement of a time series. The X-12 Seasonal Adjustment Programme is used for smoothing seasonally adjusted estimates to estimates of the underlying trend.
Reliability of estimates	12	Data presented in this publication are based on information obtained from a sample and are, therefore, subject to sampling variability; that is, they may differ from the figures that would have been produced if the data had been obtained from all enterprises in the manufacturing industry in South Africa. Estimates are subject to sampling and non-sampling errors.
	13	Inaccuracies may occur because of imperfections in reporting by enterprises and errors made in the collection and processing of the data. Inaccuracies of this kind are referred to as non-sampling errors. Every effort is made to minimise non-sampling errors by careful design of questionnaires, testing them in pilot studies, editing reported data and implementing efficient operating procedures. Fluctuations may occur in consecutive months as a result of seasonal and economic factors.
Month-on-month percentage change	14	The month-on-month percentage change in a variable for any given month is the change between that month and the previous month, expressed as a percentage of the latter.
Year-on-year (annual) percentage change	15	The year-on-year percentage change in a variable for any given period is the change between that period and the corresponding period of the previous year, expressed as a percentage of the latter.
Index contribution (percentage points)	16	The contribution (percentage points) of a major group or division to the total manufacturing production percentage change for a given period is calculated by multiplying the difference in the index of each major group or division by the weight of the major group or division and then dividing by the previous period total manufacturing index.
Sales contribution (percentage points)	17	The contribution (percentage points) of a division or major group to the percentage change in total manufacturing sales for a given period is calculated by multiplying the percentage change of each major group or division with its percentage contribution to the total sales of the previous period, divided by 100.

Glossary

Enterprise	The enterprise is a legal entity or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities.	
Industry	An industry is made up of enterprises engaged in the same or similar kinds of economic activity. Industries are defined in the <i>System of National Accounts</i> (SNA) in the same way as in the <i>Standard Industrial Classification of all Economic Activities</i> (SIC), Fifth Edition, Report No. 09-90-02 of January 1993.	
Sales	Sales are the total value of sales and transfers-out of all own manufactured products/articles and the amounts received for installation, erection or assembly or other services rendered.	
Symbols and abbreviations	BSF	Business sampling frame
	GDP	Gross domestic product
	IMF	International Monetary Fund
	ISIC	International Standard Industrial Classification
	LSS	Large sample survey
	NA	National accounts
	PPI	Producer price index
	Rm	R million
	SIC	Standard Industrial Classification of all Economic Activities
	SARS	South African Revenue Service
	SDDS	Special Data Dissemination Standard
	Stats SA	Statistics South Africa
	VAT	Value added tax
	*	Revised figures

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