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Manufacturing: Production and sales (Preliminary)

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Production: results for January 2021**Table A – Key growth rates in the volume of manufacturing production**

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

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

Manufacturing production decreased by 3,4% in January 2021 compared with January 2020. The largest negative contributions were made by the following divisions:

- petroleum, chemical products, rubber and plastic products (-13,9% and contributing -3,4 percentage points);
- food and beverages (-4,9% and contributing -1,5 percentage points); and
- furniture and 'other' manufacturing (-12,1% and contributing -0,4 of a percentage point).

The motor vehicles, parts and accessories and other transport equipment division (28,1% and contributing 1,8 percentage points) was a significant positive contributor – see Tables 5 and 6.

Seasonally adjusted manufacturing production increased by 0,5% in January 2021 compared with December 2020. This followed month-on-month changes of 0,6% in December 2020 and -1,1% in November 2020 – see Table A.

Seasonally adjusted manufacturing production increased by 2,2% in the three months ended January 2021 compared with the previous three months. Eight of the ten manufacturing divisions reported positive growth rates over this period.

The largest positive contributions were made by the following divisions:

- motor vehicles, parts and accessories and other transport equipment (17,4% and contributing 1,3 percentage points);
- basic iron and steel, non-ferrous metal products, metal products and machinery (5,5% and contributing 1,0 percentage point); and
- wood and wood products, paper, publishing and printing (4,7% and contributing 0,5 of a percentage point).

The petroleum, chemical products, rubber and plastic products division (-5,0% and contributing -1,1 percentage points) was a significant negative contributor – 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 2020	Nov 2020 – Jan 2021	% change between Aug – Oct 2020 and Nov 2020 – Jan 2021	Contribution (% points) to the total % change
Food and beverages	27,14	109,7	109,3	-0,4	-0,1
Meat, fish, fruit, etc.	6,75	106,1	105,1	-0,9	-0,1
Dairy products	2,27	114,7	117,2	2,2	0,1
Grain mill products	3,55	99,0	95,8	-3,2	-0,1
Other food products	8,45	117,0	124,2	6,2	0,6
Beverages	6,12	108,0	98,4	-8,9	-0,6
Textiles, clothing, leather and footwear	3,08	81,1	84,7	4,4	0,1
Textiles	0,77	106,0	113,9	7,5	0,1
Other textile products	0,39	70,0	78,9	12,7	0,0
Knitted, crocheted articles	0,09	72,9	75,5	3,6	0,0
Wearing apparel	1,02	70,6	69,9	-1,0	0,0
Leather and leather products	0,46	61,5	66,0	7,3	0,0
Footwear	0,35	97,4	97,1	-0,3	0,0
Wood and wood products, paper, publishing and printing	11,46	85,3	89,3	4,7	0,5
Sawmilling and planing of wood	1,74	90,1	87,6	-2,8	0,0
Products of wood	2,61	100,0	104,8	4,8	0,1
Paper and paper products	4,13	86,7	87,1	0,5	0,0
Publishing	1,43	65,0	68,2	4,9	0,0
Printing, recorded media	1,55	70,2	90,2	28,5	0,3
Petroleum, chemical products, rubber and plastic products	22,52	93,7	89,0	-5,0	-1,1
Coke, petroleum products and nuclear fuel	8,34	85,2	69,9	-18,0	-1,3
Basic chemicals	4,15	102,7	104,5	1,8	0,1
Other chemical products	6,15	94,8	96,3	1,6	0,1
Rubber products	1,19	94,0	99,3	5,6	0,1
Plastic products	2,69	103,1	102,8	-0,3	0,0
Glass and non-metallic mineral products	3,06	90,8	96,2	5,9	0,2
Glass and glass products	0,65	113,2	113,5	0,3	0,0
Non-metallic mineral products	2,41	84,8	91,5	7,9	0,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,59	92,9	98,0	5,5	1,0
Basic iron and steel products	3,49	87,4	91,3	4,5	0,1
Non-ferrous metal products	2,68	97,9	96,3	-1,6	0,0
Structural metal products	2,02	80,2	86,1	7,4	0,1
Other fabricated metal products	3,73	103,6	107,6	3,9	0,2
General purpose machinery	2,57	96,2	101,7	5,7	0,1
Special purpose machinery	3,35	89,6	99,9	11,5	0,4
Household appliances	0,75	85,4	99,7	16,7	0,1
Electrical machinery	1,64	75,7	80,9	6,9	0,1
Radio, television and communication apparatus and professional equipment	1,52	84,5	89,1	5,4	0,1
Radio, television and communication apparatus	0,91	85,7	94,0	9,7	0,1
Professional equipment	0,61	82,8	81,9	-1,1	0,0
Motor vehicles, parts and accessories and other transport equipment	7,96	88,6	104,0	17,4	1,3
Motor vehicles	3,03	77,6	98,4	26,8	0,7
Bodies for motor vehicles, trailers and semi-trailers	0,49	120,6	124,5	3,2	0,0
Parts and accessories	3,21	102,3	118,4	15,7	0,5
Other transport equipment	1,23	67,3	72,1	7,1	0,1
Furniture and other manufacturing	3,03	87,1	92,1	5,7	0,2
Furniture	1,06	78,4	80,1	2,2	0,0
Other manufacturing groups	1,97	91,8	98,5	7,3	0,1
Total	100	95,4	97,5	2,2	2,2

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

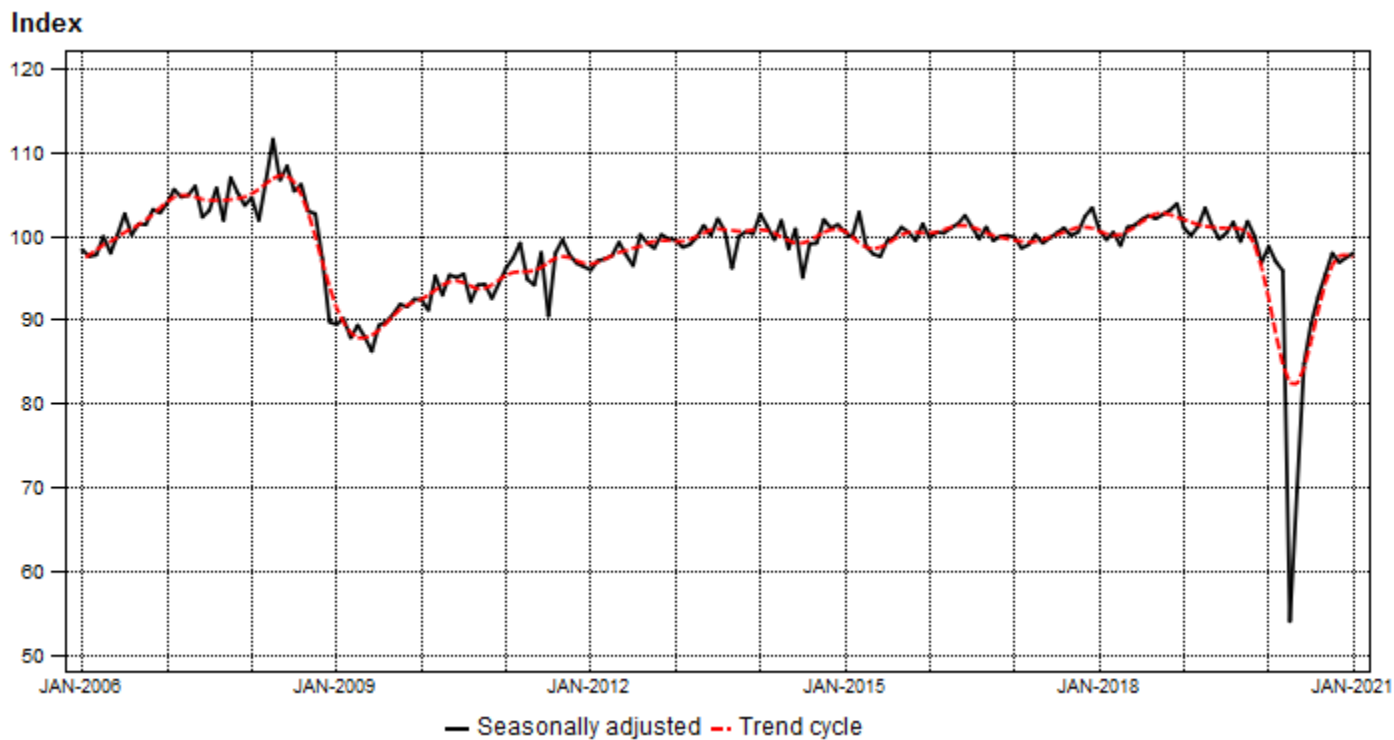
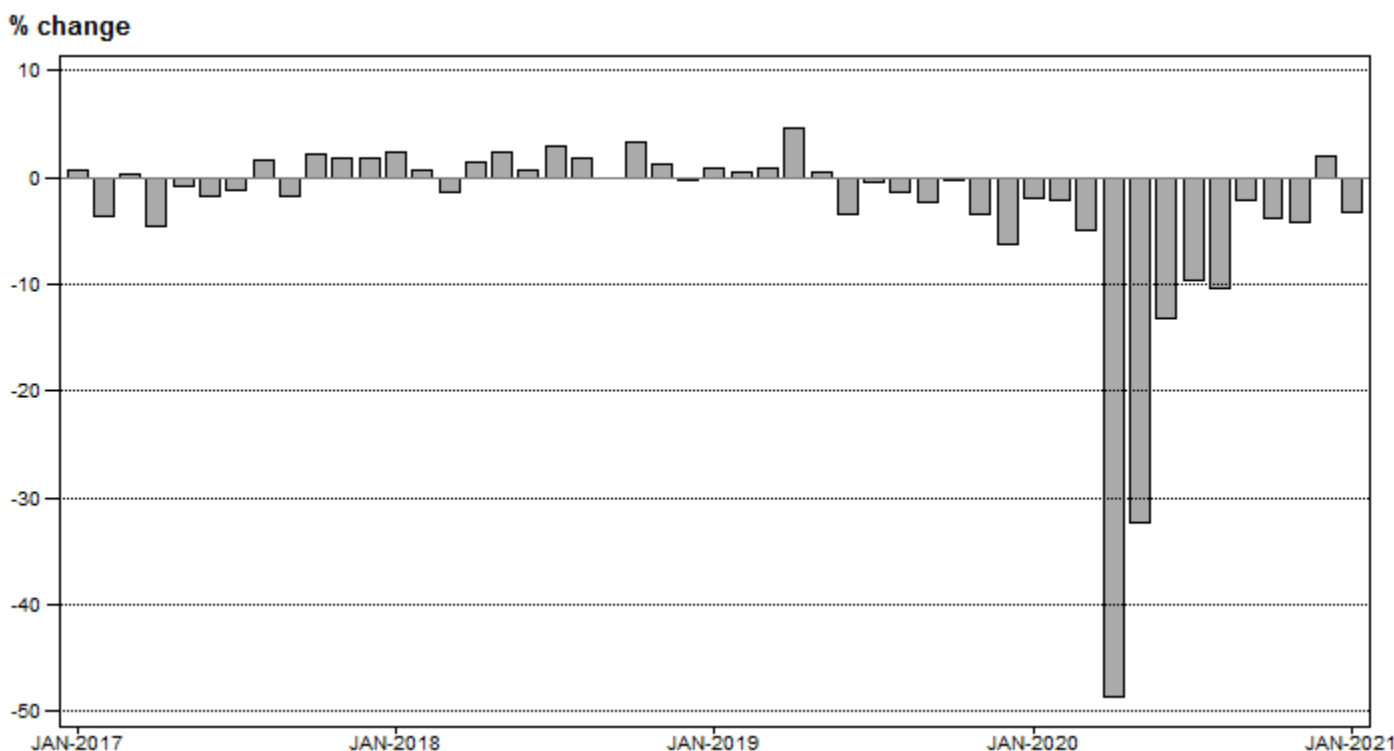


Figure 2 – Volume of manufacturing production (Base: 2015=100): year-on-year percentage change



Sales: results for January 2021**Table C – Key growth rates in manufacturing sales at current prices**

	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21
Year-on-year % change, unadjusted	-11,9	-1,7	-0,9	1,7	5,8	1,4
Month-on-month % change, seasonally adjusted	4,8	4,0	3,0	1,3	-0,1	0,9
3-month % change, seasonally adjusted ¹	22,2	35,7	19,4	12,1	8,3	4,9

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

Seasonally adjusted manufacturing sales increased by 0,9% in January 2021 compared with December 2020. This followed month-on-month changes of -0,1% in December 2020 and 1,3% in November 2020 – see Table C.

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

Manufacturing division	Aug – Oct 2020 (R million)	Nov 2020 – Jan 2021 (R million)	% change between Aug – Oct 2020 and Nov 2020 – Jan 2021	Contribution (% points) to the total % change
Food and beverages	149 586	147 436	-1,4	-0,4
Textiles, clothing, leather and footwear	13 918	14 425	3,6	0,1
Wood and wood products, paper, publishing and printing	38 294	41 120	7,4	0,5
Petroleum, chemical products, rubber and plastic products	109 446	111 611	2,0	0,4
Glass and non-metallic mineral products	16 996	18 431	8,4	0,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	128 023	138 383	8,1	1,8
Electrical machinery	13 674	14 995	9,7	0,2
Radio, television and communication apparatus and professional equipment	6 132	6 479	5,7	0,1
Motor vehicles, parts and accessories and other transport equipment	76 761	85 893	11,9	1,6
Furniture and other manufacturing	20 664	22 691	9,8	0,4
Total	573 493	601 464	4,9	4,9

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Statistician-General

Tables

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

Month	2015	2016	2017	2018	2019	2020	2021 ¹
Jan	87,0	84,8	85,3	87,3	88,1	86,4	83,5
Feb	95,6	97,6	94,0	94,6	95,1	93,1	
Mar	103,8	101,4	101,7	100,2	101,0	95,9	
Apr	92,4	95,4	91,1	92,3	96,6	49,6	
May	97,4	101,4	100,6	103,0	103,4	70,0	
Jun	98,8	103,8	101,9	102,5	99,0	85,9	
Jul	102,0	101,5	100,3	103,3	102,9	93,0	
Aug	101,2	103,5	105,2	107,0	105,6	94,6	
Sep	107,0	107,3	105,3	105,3	102,9	100,6	
Oct	110,9	107,8	110,1	113,7	113,3	109,0	
Nov	109,7	112,1	114,1	115,5	111,4	106,8	
Dec	94,1	92,0	93,7	93,6	87,7	89,4	
Total	100,0	100,7	100,3	101,5	100,6	89,5	

¹ The latest three months are preliminary.

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

Month	2016	2017	2018	2019	2020	2021	2021 year-to-date
Jan	-2,5	0,6	2,3	0,9	-1,9	-3,4	-3,4
Feb	2,1	-3,7	0,6	0,5	-2,1		
Mar	-2,3	0,3	-1,5	0,8	-5,0		
Apr	3,2	-4,5	1,3	4,7	-48,7		
May	4,1	-0,8	2,4	0,4	-32,3		
Jun	5,1	-1,8	0,6	-3,4	-13,2		
Jul	-0,5	-1,2	3,0	-0,4	-9,6		
Aug	2,3	1,6	1,7	-1,3	-10,4		
Sep	0,3	-1,9	0,0	-2,3	-2,2		
Oct	-2,8	2,1	3,3	-0,4	-3,8		
Nov	2,2	1,8	1,2	-3,5	-4,1		
Dec	-2,2	1,8	-0,1	-6,3	1,9		
Total	0,7	-0,4	1,2	-0,9	-11,0		

Table 3 – Seasonally adjusted volume of manufacturing production

Month	Index (Base: 2015=100)				Month-on-month % change			
	2018	2019	2020	2021	2018	2019	2020	2021
Jan	100,8	101,0	98,8	98,0	-2,5	-2,8	2,0	0,5
Feb	99,6	100,1	97,0		-1,2	-0,9	-1,8	
Mar	100,5	101,2	95,9		0,9	1,1	-1,1	
Apr	98,9	103,4	54,1		-1,6	2,2	-43,6	
May	101,1	101,2	69,6		2,2	-2,1	28,7	
Jun	101,3	99,7	84,8		0,2	-1,5	21,8	
Jul	102,0	100,4	89,6		0,7	0,7	5,7	
Aug	102,5	101,7	92,8		0,5	1,3	3,6	
Sep	102,1	99,4	95,4		-0,4	-2,3	2,8	
Oct	102,6	101,8	98,0		0,5	2,4	2,7	
Nov	103,1	100,0	96,9		0,5	-1,8	-1,1	
Dec	103,9	96,9	97,5		0,8	-3,1	0,6	

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

Manufacturing division and major group	Weights	Aug-20	Sep-20	Oct-20	¹ Nov-20	¹ Dec-20	¹ Jan-21
Food and beverages	27,14	108,2	116,4	123,3	120,6	118,2	91,0
Meat, fish, fruit, etc.	6,75	104,1	104,0	115,3	108,4	113,4	93,5
Dairy products	2,27	115,7	123,5	123,1	126,1	131,9	110,5
Grain mill products	3,55	99,7	102,5	100,4	102,2	96,4	88,6
Other food products	8,45	129,1	127,8	132,9	133,9	108,8	100,4
Beverages	6,12	85,9	119,6	132,4	124,2	144,1	69,5
Textiles, clothing, leather and footwear	3,08	85,3	88,2	95,8	94,1	68,9	64,5
Textiles	0,77	110,3	123,3	106,8	118,7	72,9	93,2
Other textile products	0,39	64,9	66,4	96,0	91,0	59,4	63,1
Knitted, crocheted articles	0,09	77,2	82,0	74,4	70,0	57,6	60,5
Wearing apparel	1,02	80,3	73,1	90,9	84,2	64,2	42,7
Leather and leather products	0,46	56,3	65,8	76,6	67,8	63,5	59,9
Footwear	0,35	107,5	110,1	116,3	113,2	95,0	73,6
Wood and wood products, paper, publishing and printing	11,46	85,7	94,2	98,6	101,5	79,1	76,6
Sawmilling and planing of wood	1,74	89,4	97,1	101,0	92,5	59,5	78,2
Products of wood	2,61	101,1	107,0	123,6	112,9	82,6	85,5
Paper and paper products	4,13	87,5	100,9	89,1	95,7	86,3	79,5
Publishing	1,43	68,7	77,1	75,8	87,5	72,2	52,3
Printing, recorded media	1,55	66,8	67,3	100,5	120,7	82,4	74,6
Petroleum, chemical products, rubber and plastic products	22,52	94,9	95,5	102,7	99,6	81,2	82,0
Coke, petroleum products and nuclear fuel	8,34	86,6	83,7	85,4	74,7	68,5	66,5
Basic chemicals	4,15	98,8	108,8	119,9	117,7	99,0	102,2
Other chemical products	6,15	100,2	96,2	103,6	106,4	91,4	87,4
Rubber products	1,19	95,4	101,9	102,8	111,1	42,7	93,4
Plastic products	2,69	102,3	107,0	128,1	128,6	87,1	81,6
Glass and non-metallic mineral products	3,06	91,7	96,7	110,3	106,1	76,2	79,0
Glass and glass products	0,65	121,4	119,0	131,1	135,7	103,8	108,2
Non-metallic mineral products	2,41	83,6	90,7	104,6	98,1	68,7	71,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,59	90,7	97,7	105,0	100,4	84,4	84,0
Basic iron and steel products	3,49	81,1	84,0	97,6	83,9	83,0	93,1
Non-ferrous metal products	2,68	98,0	99,7	104,9	91,7	93,1	91,0
Structural metal products	2,02	81,3	84,9	92,7	97,8	64,2	61,5
Other fabricated metal products	3,73	103,2	110,4	123,8	112,4	78,4	88,7
General purpose machinery	2,57	97,5	109,9	101,1	111,2	90,1	76,9
Special purpose machinery	3,35	84,6	98,3	102,1	100,5	95,3	79,8
Household appliances	0,75	76,0	80,3	106,9	117,6	76,4	97,6
Electrical machinery	1,64	74,6	84,6	85,2	84,4	60,2	67,2
Radio, television and communication apparatus and professional equipment	1,52	81,1	94,1	97,7	104,4	96,6	65,2
Radio, television and communication apparatus	0,91	79,8	97,4	105,4	113,0	105,4	67,4
Professional equipment	0,61	83,0	89,3	86,4	91,8	83,7	61,9
Motor vehicles, parts and accessories and other transport equipment	7,96	84,2	90,6	113,4	112,0	60,2	91,2
Motor vehicles	3,03	76,8	79,4	112,2	106,8	38,8	80,0
Bodies for motor vehicles, trailers and semi-trailers	0,49	122,8	132,5	134,1	151,5	80,5	90,4
Parts and accessories	3,21	93,0	101,8	126,2	124,9	74,2	114,0
Other transport equipment	1,23	64,0	72,3	74,5	75,5	68,0	59,6
Furniture and other manufacturing	3,03	83,9	93,2	110,2	109,6	86,7	72,5
Furniture	1,06	81,8	85,5	96,4	99,8	66,3	58,8
Other manufacturing groups	1,97	85,0	97,4	117,7	114,9	97,7	79,7
Total	100	94,6	100,6	109,0	106,8	89,4	83,5

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	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21
Food and beverages	-5,9	3,5	0,4	-4,0	6,4	-4,9
Meat, fish, fruit, etc.	0,0	1,2	1,1	-3,2	7,1	-0,2
Dairy products	-2,3	2,5	-3,6	7,2	10,8	1,6
Grain mill products	2,2	3,5	-5,4	-4,4	1,2	-2,9
Other food products	-4,7	0,3	-3,1	1,8	8,0	3,8
Beverages	-20,1	11,0	9,9	-15,0	5,0	-26,2
Textiles, clothing, leather and footwear	-9,6	-1,2	-3,7	-1,6	3,5	7,5
Textiles	10,0	19,5	-6,2	11,9	26,8	31,3
Other textile products	-32,5	-27,0	-6,3	-14,5	-3,4	-7,1
Knitted, crocheted articles	-7,2	-5,6	-5,1	-5,9	16,6	23,0
Wearing apparel	-15,2	-14,1	-4,0	-6,5	-8,8	-9,1
Leather and leather products	-19,5	-2,2	1,7	4,5	12,6	7,2
Footwear	-5,7	11,3	0,3	-7,9	-4,6	0,8
Wood and wood products, paper, publishing and printing	-12,1	-8,0	-6,4	-2,1	1,8	-2,2
Sawmilling and planing of wood	-10,1	3,7	0,3	-4,4	-14,4	-8,6
Products of wood	-6,3	5,1	4,9	1,6	13,5	10,5
Paper and paper products	-10,4	-8,6	-11,7	-3,0	0,5	-3,6
Publishing	-12,8	-18,5	-19,6	-3,0	6,0	-14,3
Printing, recorded media	-29,3	-32,2	-9,5	-3,2	0,6	-2,1
Petroleum, chemical products, rubber and plastic products	-5,8	-1,2	-7,5	-9,6	-11,5	-13,9
Coke, petroleum products and nuclear fuel	-14,7	-10,1	-25,6	-32,5	-31,9	-37,6
Basic chemicals	0,8	12,2	15,3	13,7	13,3	2,0
Other chemical products	2,7	1,6	-2,9	-2,7	-1,1	4,8
Rubber products	-6,1	-1,2	-2,7	8,8	-20,2	16,6
Plastic products	-5,9	-2,3	5,1	3,2	1,4	-5,2
Glass and non-metallic mineral products	-7,5	3,2	4,8	6,3	7,2	8,2
Glass and glass products	-1,4	11,4	-1,7	3,5	-2,8	0,7
Non-metallic mineral products	-9,7	0,6	7,2	7,4	11,9	11,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	-9,1	-5,0	-5,3	-6,0	4,1	-0,4
Basic iron and steel products	-10,3	-22,6	-21,6	-23,7	-7,7	-16,4
Non-ferrous metal products	-2,7	0,9	-0,1	-13,8	8,8	1,1
Structural metal products	-15,0	-10,2	-7,6	-3,3	9,7	-1,9
Other fabricated metal products	-3,2	9,1	8,4	4,7	19,9	13,3
General purpose machinery	-7,2	5,0	-4,4	0,5	1,1	8,5
Special purpose machinery	-15,0	-8,0	-7,2	-2,3	2,7	3,9
Household appliances	-23,9	-16,5	3,5	7,4	-7,4	-9,0
Electrical machinery	-14,5	-3,0	-0,7	-1,4	9,5	11,6
Radio, television and communication apparatus and professional equipment	-11,8	-3,6	-6,1	-3,1	9,8	-9,4
Radio, television and communication apparatus	-19,1	-7,3	-6,1	-1,9	12,2	-11,3
Professional equipment	1,1	3,2	-5,9	-5,0	5,4	-6,5
Motor vehicles, parts and accessories and other transport equipment	-32,9	-12,0	-5,0	7,9	19,7	28,1
Motor vehicles	-42,0	-20,7	-7,1	9,1	23,2	32,5
Bodies for motor vehicles, trailers and semi-trailers	-3,2	22,5	-2,7	22,1	26,6	16,3
Parts and accessories	-30,9	-4,9	-2,1	10,2	37,2	37,8
Other transport equipment	-23,4	-25,7	-11,1	-11,3	-16,4	-8,3
Furniture and other manufacturing	-20,6	-6,7	-5,2	-5,1	7,3	-12,1
Furniture	-6,8	-0,1	-8,9	-7,2	-6,0	0,0
Other manufacturing groups	-26,2	-9,5	-3,4	-4,1	13,2	-16,3
Total	-10,4	-2,2	-3,8	-4,1	1,9	-3,4

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

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-20	Oct-20	Nov-20	Dec-20	Jan-21	Month-on-month % change
Food and beverages	27,14	110,2	112,4	109,9	110,6	107,4	-2,9
Meat, fish, fruit, etc.	6,75	103,3	110,0	102,3	105,8	107,2	1,3
Dairy products	2,27	116,7	111,3	117,4	121,4	112,9	-7,0
Grain mill products	3,55	99,5	97,9	93,4	95,6	98,5	3,0
Other food products	8,45	115,4	118,0	122,9	119,5	130,1	8,9
Beverages	6,12	114,2	116,0	107,2	108,5	79,6	-26,6
Textiles, clothing, leather and footwear	3,08	82,0	79,8	81,4	84,8	88,0	3,8
Textiles	0,77	112,8	92,1	107,6	111,2	122,9	10,5
Other textile products	0,39	65,1	79,8	77,0	79,2	80,5	1,6
Knitted, crocheted articles	0,09	74,4	71,2	66,4	81,4	78,8	-3,2
Wearing apparel	1,02	68,4	72,7	67,4	71,3	71,0	-0,4
Leather and leather products	0,46	62,5	64,7	65,1	66,4	66,6	0,3
Footwear	0,35	100,5	95,5	94,9	97,2	99,3	2,2
Wood and wood products, paper, publishing and printing	11,46	85,8	87,2	88,6	88,9	90,3	1,6
Sawmilling and planing of wood	1,74	94,7	88,2	90,4	81,1	91,3	12,6
Products of wood	2,61	100,3	102,9	100,0	106,4	108,0	1,5
Paper and paper products	4,13	87,7	86,5	87,6	86,7	87,0	0,3
Publishing	1,43	65,8	65,8	68,0	72,3	64,4	-10,9
Printing, recorded media	1,55	64,8	81,2	89,1	89,7	91,9	2,5
Petroleum, chemical products, rubber and plastic products	22,52	92,9	94,4	91,7	86,7	88,6	2,2
Coke, petroleum products and nuclear fuel	8,34	83,7	85,4	74,7	68,5	66,5	-2,9
Basic chemicals	4,15	104,7	106,1	107,2	103,2	103,1	-0,1
Other chemical products	6,15	93,2	93,0	95,0	93,2	100,7	8,0
Rubber products	1,19	95,3	93,4	106,1	84,6	107,1	26,6
Plastic products	2,69	101,3	108,1	106,5	103,3	98,6	-4,5
Glass and non-metallic mineral products	3,06	89,8	95,4	94,5	94,2	100,0	6,2
Glass and glass products	0,65	113,1	115,2	115,3	109,6	115,7	5,6
Non-metallic mineral products	2,41	83,5	90,0	88,9	90,0	95,7	6,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,59	93,4	95,3	94,2	100,3	99,6	-0,7
Basic iron and steel products	3,49	84,2	90,5	83,8	99,4	90,7	-8,8
Non-ferrous metal products	2,68	98,2	98,3	91,7	98,9	98,3	-0,6
Structural metal products	2,02	79,5	81,5	85,3	87,2	85,7	-1,7
Other fabricated metal products	3,73	103,5	107,8	102,0	108,8	111,9	2,8
General purpose machinery	2,57	101,9	93,1	100,5	100,8	103,8	3,0
Special purpose machinery	3,35	92,2	93,4	96,5	101,9	101,2	-0,7
Household appliances	0,75	81,9	98,2	104,9	93,9	100,2	6,7
Electrical machinery	1,64	76,2	77,9	76,9	81,6	84,2	3,2
Radio, television and communication apparatus and professional equipment	1,52	87,8	86,9	87,6	95,2	84,5	-11,2
Radio, television and communication apparatus	0,91	89,7	91,9	92,2	102,6	87,2	-15,0
Professional equipment	0,61	85,0	79,6	80,8	84,3	80,5	-4,5
Motor vehicles, parts and accessories and other transport equipment	7,96	86,6	98,1	101,9	98,8	111,4	12,8
Motor vehicles	3,03	75,6	88,3	97,0	89,2	109,0	22,2
Bodies for motor vehicles, trailers and semi-trailers	0,49	125,1	117,9	134,9	116,4	122,3	5,1
Parts and accessories	3,21	99,4	114,1	112,9	116,0	126,4	9,0
Other transport equipment	1,23	64,9	72,7	72,0	70,2	74,1	5,6
Furniture and other manufacturing	3,03	87,0	91,0	89,0	98,2	89,0	-9,4
Furniture	1,06	80,3	77,4	75,8	79,4	85,1	7,2
Other manufacturing groups	1,97	90,6	98,4	96,0	108,3	91,1	-15,9
Total	100	95,4	98,0	96,9	97,5	98,0	0,5

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

Month	2015	2016	2017	2018	2019	2020	2021 ¹
Jan	133 473	137 588	147 728	154 687	169 331	168 088	170 427
Feb	148 453	160 923	163 040	173 909	184 231	189 141	
Mar	167 441	169 906	182 917	185 238	201 129	190 760	
Apr	147 271	160 631	158 360	165 218	189 590	93 502	
May	158 343	173 256	179 649	191 930	199 608	138 457	
Jun	163 277	177 291	183 043	191 836	199 200	167 697	
Jul	163 881	170 938	174 766	193 760	202 907	179 737	
Aug	161 763	177 283	186 082	201 305	211 321	186 140	
Sep	172 491	184 513	188 393	204 075	204 710	201 162	
Oct	178 929	183 891	197 103	220 644	222 511	220 548	
Nov	179 830	195 991	213 656	225 502	220 858	224 516	
Dec	155 988	163 327	173 384	182 375	176 429	186 579	
Total	1 931 140	2 055 538	2 148 121	2 290 479	2 381 825	2 146 327	

¹ The latest three months are preliminary.

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

Month	2016	2017	2018	2019	2020	2021	2021 year-to-date
Jan	3,1	7,4	4,7	9,5	-0,7	1,4	1,4
Feb	8,4	1,3	6,7	5,9	2,7		
Mar	1,5	7,7	1,3	8,6	-5,2		
Apr	9,1	-1,4	4,3	14,8	-50,7		
May	9,4	3,7	6,8	4,0	-30,6		
Jun	8,6	3,2	4,8	3,8	-15,8		
Jul	4,3	2,2	10,9	4,7	-11,4		
Aug	9,6	5,0	8,2	5,0	-11,9		
Sep	7,0	2,1	8,3	0,3	-1,7		
Oct	2,8	7,2	11,9	0,8	-0,9		
Nov	9,0	9,0	5,5	-2,1	1,7		
Dec	4,7	6,2	5,2	-3,3	5,8		
Total	6,4	4,5	6,6	4,0	-9,9		

Table 10 – Seasonally adjusted manufacturing sales at current prices

Month	R million				Month-on-month % change			
	2018	2019	2020	2021	2018	2019	2020	2021
Jan	181 868	197 604	194 725	201 543	-2,9	-0,3	3,3	0,9
Feb	183 994	194 217	199 604		1,2	-1,7	2,5	
Mar	185 840	199 687	189 142		1,0	2,8	-5,2	
Apr	177 188	204 844	102 138		-4,7	2,6	-46,0	
May	189 889	196 855	138 994		7,2	-3,9	36,1	
Jun	188 857	200 657	165 504		-0,5	1,9	19,1	
Jul	193 656	200 359	175 901		2,5	-0,1	6,3	
Aug	193 535	205 084	184 274		-0,1	2,4	4,8	
Sep	199 027	198 033	191 711		2,8	-3,4	4,0	
Oct	198 539	199 748	197 508		-0,2	0,9	3,0	
Nov	197 260	194 541	200 094		-0,6	-2,6	1,3	
Dec	198 238	188 585	199 827		0,5	-3,1	-0,1	

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

Manufacturing division and major group	Aug-20	Sep-20	Oct-20	¹ Nov-20	¹ Dec-20	¹ Jan-21
Food and beverages	47 909	51 538	56 637	55 830	58 452	40 230
Meat, fish, fruit, etc.	14 082	14 491	15 504	15 285	15 972	12 314
Dairy products	4 327	4 551	4 683	4 809	4 871	4 261
Grain mill products	7 454	7 564	8 331	8 289	8 009	7 448
Other food products	10 906	10 045	12 411	11 415	11 296	10 162
Beverages	11 139	14 888	15 707	16 031	18 304	6 045
Textiles, clothing, leather and footwear	4 820	4 958	5 455	5 657	4 089	3 608
Textiles	735	784	775	771	542	614
Other textile products	1 153	1 264	1 643	1 623	1 031	1 055
Knitted, crocheted articles	218	226	199	192	159	167
Wearing apparel	1 645	1 499	1 640	1 803	1 318	882
Leather and leather products	461	553	541	571	514	500
Footwear	608	632	659	697	525	390
Wood and wood products, paper, publishing and printing	13 249	14 027	14 467	15 886	12 871	11 705
Sawmilling and planing of wood	1 012	967	951	923	606	771
Products of wood	2 009	1 990	2 285	2 213	1 581	1 651
Paper and paper products	6 775	7 558	6 628	7 189	6 620	5 904
Publishing	1 364	1 481	1 424	1 716	1 425	1 024
Printing, recorded media	2 088	2 031	3 178	3 844	2 638	2 356
Petroleum, chemical products, rubber and plastic products	37 150	38 079	40 650	41 827	34 992	33 715
Coke, petroleum products and nuclear fuel	8 809	8 096	7 907	8 346	7 671	8 172
Basic chemicals	8 340	9 469	9 949	10 309	8 066	8 233
Other chemical products	12 817	12 687	13 799	14 233	12 947	11 136
Rubber products	1 449	1 633	1 707	1 635	1 120	1 300
Plastic products	5 736	6 195	7 288	7 304	5 187	4 875
Glass and non-metallic mineral products	5 707	6 134	6 878	6 794	4 892	4 824
Glass and glass products	1 128	1 246	1 539	1 503	1 162	1 085
Non-metallic mineral products	4 580	4 888	5 340	5 290	3 730	3 739
Basic iron and steel, non-ferrous metal products, metal products and machinery	40 421	45 669	47 642	49 004	39 199	41 008
Basic iron and steel products	8 981	8 873	8 870	9 876	7 634	9 238
Non-ferrous metal products	12 021	15 600	16 279	16 720	13 872	14 985
Structural metal products	3 046	3 106	3 399	3 580	2 472	2 297
Other fabricated metal products	6 524	6 963	7 814	7 184	5 288	5 729
General purpose machinery	4 175	4 619	4 263	4 501	3 529	3 372
Special purpose machinery	4 713	5 491	5 712	5 790	5 390	4 279
Household appliances	961	1 016	1 305	1 353	1 013	1 109
Electrical machinery	4 427	4 881	5 214	5 463	4 116	3 865
Radio, television and communication apparatus and professional equipment	1 898	2 115	2 480	2 519	2 464	1 537
Radio, television and communication apparatus	883	995	1 383	1 345	1 383	758
Professional equipment	1 016	1 120	1 097	1 175	1 081	780
Motor vehicles, parts and accessories and other transport equipment	23 590	27 237	32 848	33 055	17 878	24 171
Motor vehicles	13 466	15 695	18 833	18 598	8 972	12 161
Bodies for motor vehicles, trailers and semi-trailers	1 129	1 178	1 284	1 447	889	855
Parts and accessories	6 842	7 920	10 203	10 450	5 706	9 113
Other transport equipment	2 154	2 443	2 528	2 560	2 311	2 042
Furniture and other manufacturing	6 968	6 523	8 277	8 481	7 627	5 764
Furniture	1 113	1 342	1 595	1 629	1 149	849
Other manufacturing groups	5 855	5 181	6 681	6 852	6 477	4 915
Total	186 140	201 162	220 548	224 516	186 579	170 427

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-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21
Food and beverages	-1,4	8,1	7,4	3,6	8,8	-3,9
Meat, fish, fruit, etc.	4,4	12,6	7,5	4,4	12,1	7,7
Dairy products	-0,9	3,1	1,1	7,8	9,8	3,6
Grain mill products	8,7	10,4	15,1	11,5	16,3	15,0
Other food products	2,1	-2,9	5,5	8,4	20,1	12,8
Beverages	-15,6	12,6	7,0	-4,8	-2,4	-44,3
Textiles, clothing, leather and footwear	-11,1	-5,1	-6,3	-5,6	1,9	1,8
Textiles	4,0	4,0	-3,2	2,8	31,6	18,8
Other textile products	-32,3	-18,4	-5,5	-11,0	-2,0	-6,7
Knitted, crocheted articles	0,0	5,1	-12,7	-9,9	23,3	23,7
Wearing apparel	-5,1	-10,9	-11,7	-8,2	-6,3	-7,8
Leather and leather products	-5,9	14,3	-1,5	11,3	20,9	15,5
Footwear	7,4	17,5	1,9	-5,0	-10,7	4,8
Wood and wood products, paper, publishing and printing	-4,4	-10,1	-4,8	1,0	6,5	3,7
Sawmilling and planing of wood	7,3	5,1	-1,0	0,4	8,8	-5,3
Products of wood	2,0	0,6	2,3	-1,8	10,1	9,0
Paper and paper products	-0,3	-5,6	-4,0	1,3	3,9	5,4
Publishing	-2,6	-15,1	-16,6	0,5	14,5	-8,0
Printing, recorded media	-23,9	-31,1	-6,3	2,4	6,3	4,6
Petroleum, chemical products, rubber and plastic products	-11,6	-3,5	-7,1	-8,4	-8,1	-11,7
Coke, petroleum products and nuclear fuel	-32,8	-27,0	-39,0	-38,0	-43,1	-41,9
Basic chemicals	-9,5	9,7	6,2	2,8	9,2	5,0
Other chemical products	6,2	6,5	7,8	5,1	13,9	8,2
Rubber products	-4,8	4,2	7,8	-2,4	0,7	5,9
Plastic products	-6,0	-1,0	3,7	5,2	10,2	2,7
Glass and non-metallic mineral products	-6,1	5,0	4,0	6,2	16,3	12,8
Glass and glass products	3,5	12,7	13,0	13,7	18,1	11,5
Non-metallic mineral products	-8,2	3,2	1,7	4,3	15,7	13,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	-14,3	-2,1	-5,1	2,0	13,0	14,7
Basic iron and steel products	-12,4	-8,5	-18,0	-6,7	5,8	13,4
Non-ferrous metal products	-24,7	-0,4	-3,5	6,5	24,7	22,9
Structural metal products	-7,9	-11,6	-8,9	-4,9	7,9	3,7
Other fabricated metal products	-5,1	9,1	7,5	5,3	23,4	17,8
General purpose machinery	-2,7	9,4	-1,3	4,1	0,5	14,1
Special purpose machinery	-11,8	-9,3	-2,7	6,3	3,3	3,4
Household appliances	-17,0	-8,4	-1,5	-2,4	-3,2	-10,5
Electrical machinery	-9,2	1,3	6,2	11,4	16,8	10,3
Radio, television and communication apparatus and professional equipment	-11,8	-4,9	8,3	-0,2	13,1	-0,9
Radio, television and communication apparatus	-22,5	-15,2	15,7	-3,1	18,8	0,1
Professional equipment	0,4	6,6	0,3	3,4	6,4	-1,9
Motor vehicles, parts and accessories and other transport equipment	-29,8	-8,6	0,5	11,9	4,5	7,9
Motor vehicles	-35,0	-11,4	-5,7	2,2	-12,0	-10,0
Bodies for motor vehicles, trailers and semi-trailers	-18,7	-1,4	-18,7	-3,3	11,1	4,8
Parts and accessories	-21,9	2,8	22,2	48,8	66,1	53,9
Other transport equipment	-21,5	-23,8	-8,7	-8,7	-13,9	-5,1
Furniture and other manufacturing	-7,6	-12,0	-0,5	3,5	11,9	0,9
Furniture	-22,8	-4,3	-10,5	-8,7	-5,8	-5,0
Other manufacturing groups	-4,1	-13,8	2,3	6,9	15,8	1,9
Total	-11,9	-1,7	-0,9	1,7	5,8	1,4

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

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

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

Manufacturing division and major group	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Month-on-month % change
Food and beverages	49 680	51 495	50 505	50 624	46 307	-8,5
Meat, fish, fruit, etc.	13 982	14 500	13 877	14 330	14 748	2,9
Dairy products	4 474	4 296	4 529	4 546	4 405	-3,1
Grain mill products	7 436	8 011	7 689	7 892	8 198	3,9
Other food products	9 898	10 839	10 728	11 222	11 417	1,7
Beverages	13 890	13 848	13 683	12 635	7 540	-40,3
Textiles, clothing, leather and footwear	4 685	4 586	4 683	4 909	4 833	-1,5
Textiles	696	653	683	840	781	-7,0
Other textile products	1 234	1 347	1 378	1 362	1 383	1,5
Knitted, crocheted articles	222	172	183	223	227	1,8
Wearing apparel	1 407	1 393	1 415	1 427	1 393	-2,4
Leather and leather products	535	481	521	548	552	0,7
Footwear	591	539	503	510	497	-2,5
Wood and wood products, paper, publishing and printing	12 525	12 984	13 557	13 772	13 791	0,1
Sawmilling and planing of wood	922	836	865	829	827	-0,2
Products of wood	1 863	1 925	1 942	2 045	2 100	2,7
Paper and paper products	6 537	6 481	6 570	6 653	6 694	0,6
Publishing	1 247	1 245	1 318	1 448	1 272	-12,2
Printing, recorded media	1 956	2 497	2 862	2 796	2 899	3,7
Petroleum, chemical products, rubber and plastic products	36 540	36 311	37 010	36 728	37 873	3,1
Coke, petroleum products and nuclear fuel	8 289	7 545	7 814	7 335	7 928	8,1
Basic chemicals	8 874	8 814	8 971	8 863	9 271	4,6
Other chemical products	12 097	12 388	12 642	13 096	12 989	-0,8
Rubber products	1 529	1 532	1 496	1 452	1 623	11,8
Plastic products	5 750	6 032	6 088	5 982	6 061	1,3
Glass and non-metallic mineral products	5 703	5 791	5 937	6 200	6 294	1,5
Glass and glass products	1 136	1 204	1 189	1 228	1 233	0,4
Non-metallic mineral products	4 567	4 587	4 748	4 972	5 060	1,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	44 184	44 153	45 431	44 823	48 129	7,4
Basic iron and steel products	8 824	8 738	9 142	9 643	9 965	3,3
Non-ferrous metal products	15 423	15 242	15 789	14 111	16 078	13,9
Structural metal products	2 868	2 995	3 114	3 283	3 300	0,5
Other fabricated metal products	6 515	6 781	6 494	7 030	7 400	5,3
General purpose machinery	4 403	3 918	4 156	4 017	4 355	8,4
Special purpose machinery	5 128	5 310	5 544	5 550	5 779	4,1
Household appliances	1 023	1 168	1 193	1 189	1 251	5,2
Electrical machinery	4 550	4 811	4 858	5 078	5 059	-0,4
Radio, television and communication apparatus and professional equipment	2 005	2 266	2 120	2 255	2 104	-6,7
Radio, television and communication apparatus	934	1 241	1 061	1 201	1 081	-10,0
Professional equipment	1 071	1 025	1 059	1 054	1 022	-3,0
Motor vehicles, parts and accessories and other transport equipment	25 480	27 758	28 544	27 799	29 550	6,3
Motor vehicles	14 378	15 199	15 704	14 936	15 161	1,5
Bodies for motor vehicles, trailers and semi-trailers	1 149	1 095	1 221	1 250	1 295	3,6
Parts and accessories	7 843	9 003	9 162	9 300	10 532	13,2
Other transport equipment	2 110	2 460	2 457	2 313	2 563	10,8
Furniture and other manufacturing	6 359	7 355	7 449	7 638	7 604	-0,4
Furniture	1 266	1 251	1 261	1 265	1 322	4,5
Other manufacturing groups	5 093	6 104	6 188	6 373	6 282	-1,4
Total	191 711	197 508	200 094	199 827	201 543	0,9

Survey information

- Introduction**
- 1 Statistics South Africa (Stats SA) conducts a monthly survey of the manufacturing industry, covering manufacturing enterprises. This statistical release contains the results of a sample drawn from the business sampling frame (BSF), with enhanced coverage of South African businesses (see 4). The release contains monthly indices of the volume of manufacturing production and monthly value of sales of manufactured products by division and major group.
 - 2 In accordance with international practice, the indices are usually re-based every five years to a new base year. The current base period of the index is 2015. Both estimated and seasonally adjusted figures are presented.
 - 3 In order to improve timeliness, some information for the latest month had to be estimated due to late response. These estimates will be revised in future statistical releases as soon as information becomes available.
 - 4 Stats SA is continuously updating its BSF, based on units registered for value added tax (VAT) and income tax (IT) obtained from the South African Revenue Service (SARS).
- Purpose of the survey**
- 5 The results of the monthly manufacturing production and sales survey are used to calculate the volume of manufacturing production indices in order to estimate the gross domestic product (GDP) and its components, which in turn are used to develop and monitor government policy. These indices provide an indicator of the real level of manufacturing activity in the economy.
- Special Data Dissemination Standard of the IMF**
- 6 The data in this statistical release adhere to the Special Data Dissemination Standard (SDDS) of the International Monetary Fund (IMF), which sets out standards on coverage, periodicity and timeliness of data, access by the public, integrity, and quality of the disseminated data.
- Scope of the survey**
- 7 This survey covers manufacturing enterprises, i.e. those conducting activities in -
 - the manufacturing, processing, making or packing of products;
 - the slaughtering of animals, including poultry; and
 - installation, assembly, completion, repair and related work.
- Classification**
- 8 The 1993 edition of the *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 was 75,6% for January 2021. The improved collection rates were 78,7% for December 2020, 79,0% for November 2020 and 80,2% for October 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 *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 2021	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 – 2021 (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 *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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