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Production: results for September 2021

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

	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21
Year-on-year % change, unadjusted	101,8	38,1	11,9	-4,7	1,9	1,3
Month-on-month % change, seasonally adjusted	-1,2	-3,2	-0,6	-8,1	7,1	3,8
3-month % change, seasonally adjusted ¹	0,9	1,1	-1,5	-5,8	-6,4	-3,9

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

Manufacturing production increased by 1,3% in September 2021 compared with September 2020. The largest positive contributions were made by the following divisions:

- wood and wood products, paper, publishing and printing (13,4% and contributing 1,3 percentage points);
- basic iron and steel, non-ferrous metal products, metal products and machinery (4,0% and contributing 0,8 of a percentage point);
- food and beverages (2,3% and contributing 0,5 of a percentage point); and
- motor vehicles, parts and accessories and other transport equipment (6,3% and contributing 0,5 of a percentage point).

The largest negative contribution was made by the petroleum, chemical products, rubber and plastic products division (-8,8% and contributing -2,1 percentage points) – see Tables 5 and 6.

Seasonally adjusted manufacturing production increased by 3,8% in September 2021 compared with August 2021. This followed month-on-month changes of 7,1% in August 2021 and -8,1% in July 2021 – see Table A.

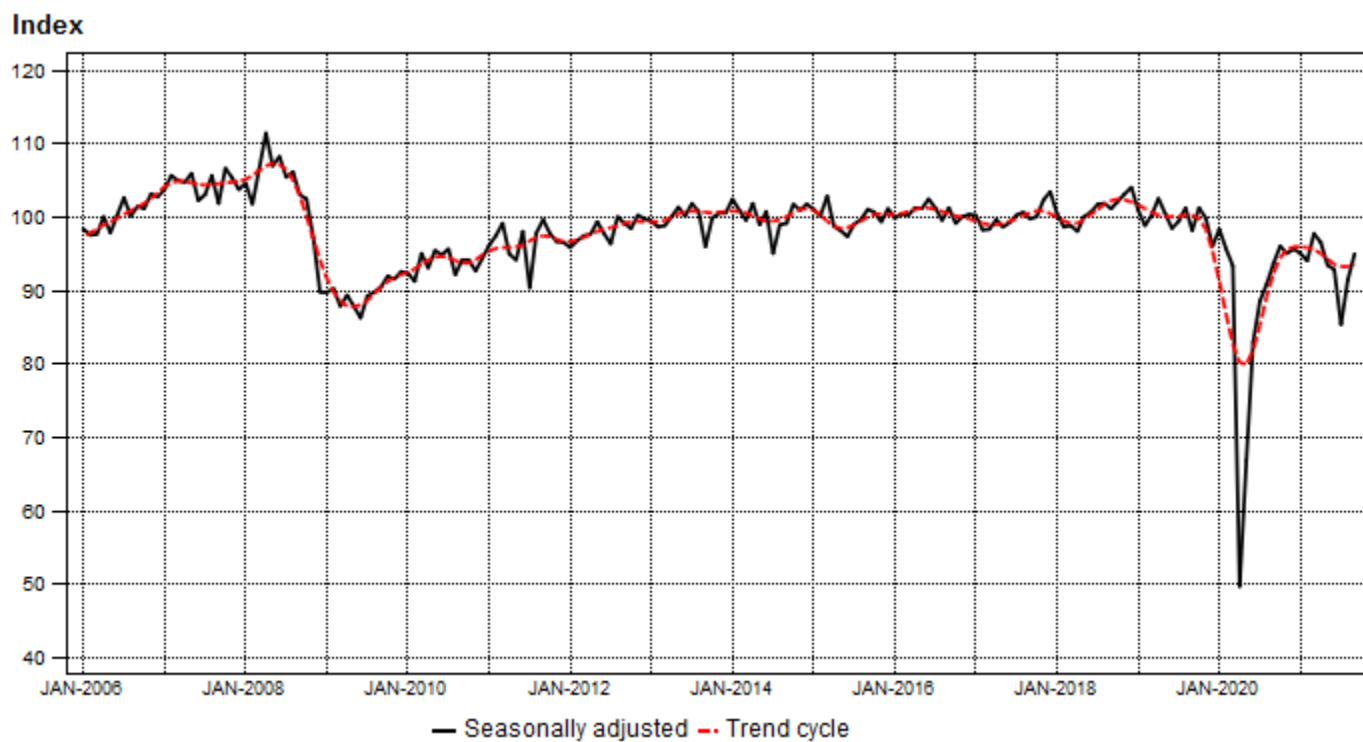
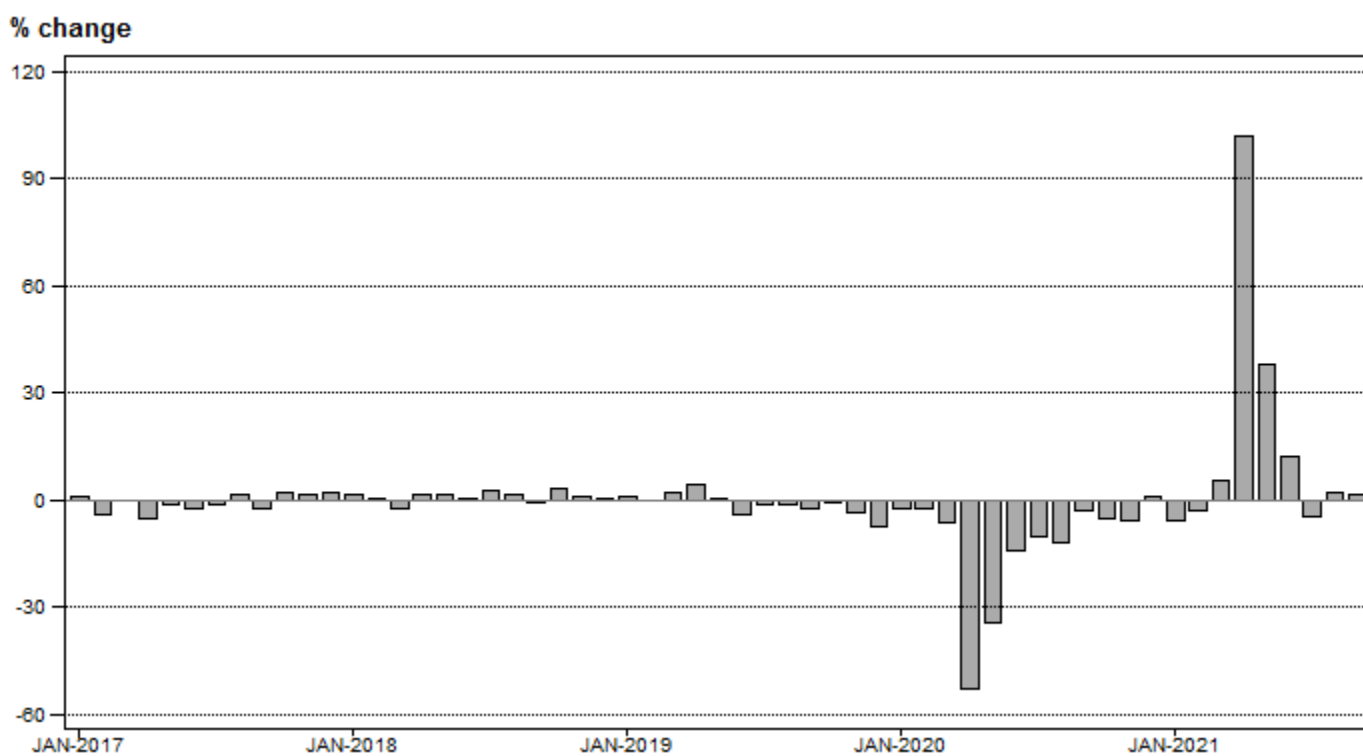
Seasonally adjusted manufacturing production decreased by 3,9% in the third quarter of 2021 compared with the second quarter of 2021. Eight of the ten manufacturing divisions reported negative growth rates over this period.

The largest negative contributions were made by the following divisions:

- motor vehicles, parts and accessories and other transport equipment (-18,1% and contributing -1,9 percentage points);
- food and beverages (-4,4% and contributing -1,1 percentage points); and
- basic iron and steel, non-ferrous metal products, metal products and machinery (-2,2% and contributing -0,5 of a percentage point) – see Table B.

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

Manufacturing division and major group	Weights	Apr – Jun 2021	Jul – Sep 2021	% change between Apr – Jun 2021 and Jul – Sep 2021	Contribution (% points) to the total % change
Food and beverages	20,18	113,5	108,5	-4,4	-1,1
Meat, fish, fruit, etc.	2,95	104,5	102,2	-2,2	-0,1
Dairy products	1,34	107,0	102,7	-4,0	-0,1
Grain mill products	1,69	95,7	97,2	1,6	0,0
Other food products	7,76	120,0	117,2	-2,3	-0,2
Beverages	6,44	115,9	105,1	-9,3	-0,7
Textiles, clothing, leather and footwear	4,38	80,5	75,6	-6,1	-0,2
Textiles	1,10	111,1	106,5	-4,1	-0,1
Other textile products	0,65	78,6	76,4	-2,8	0,0
Knitted, crocheted articles	0,06	61,9	63,7	2,9	0,0
Wearing apparel	2,04	65,4	58,4	-10,7	-0,2
Leather and leather products	0,28	60,0	61,3	2,2	0,0
Footwear	0,25	101,4	98,4	-3,0	0,0
Wood and wood products, paper, publishing and printing	10,77	88,4	86,7	-1,9	-0,2
Sawmilling and planing of wood	0,93	88,1	80,2	-9,0	-0,1
Products of wood	0,87	99,2	99,5	0,3	0,0
Paper and paper products	5,39	96,8	92,4	-4,5	-0,3
Publishing	2,24	64,1	72,1	12,5	0,2
Printing, recorded media	1,34	88,9	84,2	-5,3	-0,1
Petroleum, chemical products, rubber and plastic products	25,38	75,0	75,4	0,5	0,1
Coke, petroleum products and nuclear fuel	12,02	50,8	60,1	18,3	1,2
Basic chemicals	3,69	99,1	91,0	-8,2	-0,3
Other chemical products	6,54	96,7	85,8	-11,3	-0,8
Rubber products	0,84	87,9	83,0	-5,6	0,0
Plastic products	2,29	96,8	97,9	1,1	0,0
Glass and non-metallic mineral products	3,42	91,1	89,6	-1,6	-0,1
Glass and glass products	0,51	109,4	102,8	-6,0	0,0
Non-metallic mineral products	2,91	88,0	87,3	-0,8	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,47	99,0	96,8	-2,2	-0,5
Basic iron and steel products	2,82	98,0	107,9	10,1	0,3
Non-ferrous metal products	3,26	94,3	86,4	-8,4	-0,3
Structural metal products	1,98	83,5	83,1	-0,5	0,0
Other fabricated metal products	3,35	103,3	100,9	-2,3	-0,1
General purpose machinery	3,46	100,1	100,2	0,1	0,0
Special purpose machinery	3,87	107,7	99,4	-7,7	-0,3
Household appliances	0,73	96,2	89,9	-6,5	0,0
Electrical machinery	2,31	80,0	78,8	-1,5	0,0
Radio, television and communication apparatus and professional equipment	1,21	80,5	69,8	-13,3	-0,1
Radio, television and communication apparatus	0,13	84,4	78,6	-6,9	0,0
Professional equipment	1,08	80,0	68,7	-14,1	-0,1
Motor vehicles, parts and accessories and other transport equipment	8,66	115,3	94,4	-18,1	-1,9
Motor vehicles	2,65	103,5	61,2	-40,9	-1,2
Bodies for motor vehicles, trailers and semi-trailers	0,71	122,7	118,8	-3,2	0,0
Parts and accessories	3,93	137,8	120,4	-12,6	-0,7
Other transport equipment	1,37	69,5	71,3	2,6	0,0
Furniture and other manufacturing	4,21	97,7	99,1	1,4	0,1
Furniture	0,86	70,7	77,2	9,2	0,1
Other manufacturing groups	3,35	104,7	104,8	0,1	0,0
Total	100	94,3	90,6	-3,9	-3,9

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 September 2021**Table C – Key growth rates in manufacturing sales at current prices**

	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21
Year-on-year % change, unadjusted	119,8	52,0	28,9	3,5	11,3	9,0
Month-on-month % change, seasonally adjusted	-2,3	-1,3	-0,1	-12,7	8,6	3,6
3-month % change, seasonally adjusted ¹	6,9	6,7	2,0	-5,1	-7,6	-6,9

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

Seasonally adjusted manufacturing sales increased by 3,6% in September 2021 compared with August 2021. This followed month-on-month changes of 8,6% in August 2021 and -12,7% in July 2021 – see Table C.

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

Manufacturing division	Apr – Jun 2021 (R million)	Jul – Sep 2021 (R million)	% change between Apr – Jun 2021 and Jul – Sep 2021	Contribution (% points) to the total % change
Food and beverages	160 378	155 895	-2,8	-0,7
Textiles, clothing, leather and footwear	14 296	14 175	-0,8	0,0
Wood and wood products, paper, publishing and printing	42 054	40 333	-4,1	-0,3
Petroleum, chemical products, rubber and plastic products	115 989	110 476	-4,8	-0,9
Glass and non-metallic mineral products	18 534	18 309	-1,2	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	155 841	155 567	-0,2	0,0
Electrical machinery	15 048	15 382	2,2	0,1
Radio, television and communication apparatus and professional equipment	6 050	5 592	-7,6	-0,1
Motor vehicles, parts and accessories and other transport equipment	99 639	65 290	-34,5	-5,3
Furniture and other manufacturing	23 203	24 793	6,9	0,2
Total	651 032	605 813	-6,9	-6,9

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Tables

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

Month	2015	2016	2017	2018	2019	2020	2021 ¹
Jan	87,2	84,7	85,6	87,0	87,8	85,6	80,5
Feb	96,4	98,1	94,2	94,4	94,4	92,0	89,4
Mar	104,1	101,4	101,4	98,8	100,9	94,3	99,2
Apr	92,2	95,4	90,4	91,8	95,9	45,4	91,6
May	97,6	101,1	100,0	101,7	102,3	67,0	92,5
Jun	98,8	103,9	101,4	101,8	97,8	84,0	94,0
Jul	101,9	102,1	100,5	103,1	101,8	91,4	87,1
Aug	101,3	103,6	104,9	106,5	105,1	92,8	94,6
Sep	107,2	107,7	105,3	104,8	102,3	99,2	100,5
Oct	111,1	107,5	109,7	113,2	112,5	106,8	
Nov	109,8	112,0	113,8	115,1	110,8	104,7	
Dec	92,4	91,0	93,1	93,6	86,8	87,5	
Total	100,0	100,7	100,0	101,0	99,9	87,6	

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	-2,9	1,1	1,6	0,9	-2,5	-6,0	-6,0
Feb	1,8	-4,0	0,2	0,0	-2,5	-2,8	-4,3
Mar	-2,6	0,0	-2,6	2,1	-6,5	5,2	-1,0
Apr	3,5	-5,2	1,5	4,5	-52,7	101,8	13,7
May	3,6	-1,1	1,7	0,6	-34,5	38,1	17,8
Jun	5,2	-2,4	0,4	-3,9	-14,1	11,9	16,8
Jul	0,2	-1,6	2,6	-1,3	-10,2	-4,7	13,3
Aug	2,3	1,3	1,5	-1,3	-11,7	1,9	11,6
Sep	0,5	-2,2	-0,5	-2,4	-3,0	1,3	10,4
Oct	-3,2	2,0	3,2	-0,6	-5,1		
Nov	2,0	1,6	1,1	-3,7	-5,5		
Dec	-1,5	2,3	0,5	-7,3	0,8		
Total	0,7	-0,7	1,0	-1,1	-12,3		

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	100,5	101,0	98,4	95,1	-2,9	-3,0	2,4	-0,6
Feb	98,7	98,9	95,7	94,1	-1,8	-2,1	-2,7	-1,1
Mar	98,9	100,3	93,4	97,8	0,2	1,4	-2,4	3,9
Apr	98,1	102,6	49,7	96,6	-0,8	2,3	-46,8	-1,2
May	100,1	100,5	66,9	93,5	2,0	-2,0	34,6	-3,2
Jun	100,7	98,5	83,0	92,9	0,6	-2,0	24,1	-0,6
Jul	101,8	99,5	88,6	85,4	1,1	1,0	6,7	-8,1
Aug	101,9	101,3	90,9	91,5	0,1	1,8	2,6	7,1
Sep	101,2	98,2	93,7	95,0	-0,7	-3,1	3,1	3,8
Oct	102,2	101,3	96,1		1,0	3,2	2,6	
Nov	103,2	99,9	95,1		1,0	-1,4	-1,0	
Dec	104,1	96,1	95,7		0,9	-3,8	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	Apr-21	May-21	Jun-21	¹ Jul-21	¹ Aug-21	¹ Sep-21
Food and beverages	20,18	107,9	111,0	111,4	96,3	118,4	122,0
Meat, fish, fruit, etc.	2,95	100,7	104,0	106,0	97,0	99,3	106,7
Dairy products	1,34	101,1	99,5	97,3	102,4	101,3	105,9
Grain mill products	1,69	90,7	97,3	94,1	100,6	99,9	99,5
Other food products	7,76	121,1	124,9	129,7	123,9	131,4	129,3
Beverages	6,44	101,2	103,5	99,4	60,2	119,9	129,4
Textiles, clothing, leather and footwear	4,38	80,9	75,5	79,1	74,9	80,6	87,8
Textiles	1,10	112,4	114,2	113,7	105,7	106,2	126,2
Other textile products	0,65	82,8	78,5	77,5	71,8	76,4	82,9
Knitted, crocheted articles	0,06	61,6	65,8	63,2	58,9	76,4	73,7
Wearing apparel	2,04	64,1	55,0	61,1	57,3	68,2	71,3
Leather and leather products	0,28	68,3	55,8	61,6	63,7	51,4	60,7
Footwear	0,25	93,1	89,4	101,8	108,6	113,2	100,2
Wood and wood products, paper, publishing and printing	10,77	79,6	82,5	87,9	79,4	91,9	104,2
Sawmilling and planing of wood	0,93	80,9	91,9	94,0	88,7	86,1	80,3
Products of wood	0,87	97,4	94,6	99,5	100,7	107,6	110,2
Paper and paper products	5,39	86,7	92,0	99,4	85,1	99,3	108,0
Publishing	2,24	56,5	52,1	57,9	56,0	71,6	108,8
Printing, recorded media	1,34	77,5	80,8	80,1	75,5	90,0	94,2
Petroleum, chemical products, rubber and plastic products	25,38	76,6	69,9	73,3	72,2	73,2	85,1
Coke, petroleum products and nuclear fuel	12,02	60,3	42,6	49,6	55,6	62,5	62,2
Basic chemicals	3,69	95,3	93,2	97,5	95,0	77,7	107,9
Other chemical products	6,54	88,7	96,5	93,9	82,2	76,9	105,5
Rubber products	0,84	81,6	94,6	97,9	81,9	92,8	88,7
Plastic products	2,29	95,3	90,2	90,9	90,7	104,8	108,5
Glass and non-metallic mineral products	3,42	88,5	94,3	94,2	93,3	96,6	97,5
Glass and glass products	0,51	99,2	115,3	93,8	104,7	107,8	108,4
Non-metallic mineral products	2,91	86,6	90,6	94,3	91,3	94,7	95,6
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,47	96,0	102,7	101,2	97,4	98,0	102,5
Basic iron and steel products	2,82	99,4	106,2	99,6	104,4	98,9	106,2
Non-ferrous metal products	3,26	95,4	98,1	95,7	87,0	86,4	87,2
Structural metal products	1,98	75,2	87,0	88,6	85,3	85,4	98,4
Other fabricated metal products	3,35	101,2	106,0	102,8	104,3	103,9	111,9
General purpose machinery	3,46	98,6	104,2	107,2	98,7	107,5	111,0
Special purpose machinery	3,87	98,6	107,8	108,2	103,5	101,0	100,6
Household appliances	0,73	91,7	101,9	93,9	78,3	92,4	94,4
Electrical machinery	2,31	77,4	81,4	82,8	78,6	86,7	85,4
Radio, television and communication apparatus and professional equipment	1,21	74,4	82,6	79,0	68,7	74,5	69,5
Radio, television and communication apparatus	0,13	70,5	82,3	75,5	63,2	84,9	97,0
Professional equipment	1,08	74,9	82,6	79,4	69,4	73,2	66,2
Motor vehicles, parts and accessories and other transport equipment	8,66	120,8	117,9	116,2	97,7	103,4	101,0
Motor vehicles	2,65	109,5	105,8	105,3	55,5	74,7	86,6
Bodies for motor vehicles, trailers and semi-trailers	0,71	123,8	121,9	134,3	123,3	121,3	137,0
Parts and accessories	3,93	147,9	144,3	136,3	130,4	130,4	112,1
Other transport equipment	1,37	63,3	63,2	69,8	71,8	72,2	78,0
Furniture and other manufacturing	4,21	80,5	91,7	98,0	100,3	106,3	103,7
Furniture	0,86	61,2	75,0	70,0	59,9	87,2	98,3
Other manufacturing groups	3,35	85,5	96,0	105,3	110,8	111,2	105,1
Total	100	91,6	92,5	94,0	87,1	94,6	100,5

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	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21
Food and beverages	39,6	30,7	7,2	-2,1	9,3	2,3
Meat, fish, fruit, etc.	7,9	5,6	4,4	-6,9	-4,6	2,6
Dairy products	6,0	-1,3	-3,1	-4,9	-12,4	-14,3
Grain mill products	-6,8	2,1	-6,6	0,7	0,2	-2,9
Other food products	14,9	11,3	8,0	-1,7	1,8	1,2
Beverages	272,1	161,4	14,1	0,2	39,6	8,2
Textiles, clothing, leather and footwear	384,4	47,7	17,9	-8,4	-5,7	1,5
Textiles	697,2	100,4	20,8	-7,5	-3,7	2,4
Other textile products	318,2	100,3	48,8	10,1	17,7	24,8
Knitted, crocheted articles	862,5	63,3	12,9	0,3	-1,0	-10,1
Wearing apparel	286,1	-2,0	2,9	-20,6	-15,1	-2,5
Leather and leather products	98,0	28,9	36,0	23,4	-8,7	-7,8
Footwear	2 227,5	237,4	32,4	8,4	5,3	-9,0
Wood and wood products, paper, publishing and printing	63,1	28,3	18,8	0,8	11,7	13,4
Sawmilling and planing of wood	148,9	89,9	43,3	-1,6	-3,7	-17,3
Products of wood	231,3	74,9	18,6	3,8	6,4	3,0
Paper and paper products	19,9	15,4	11,3	-3,1	13,5	7,0
Publishing	108,5	7,6	14,7	-2,8	4,2	41,1
Printing, recorded media	423,6	72,3	55,8	29,1	34,7	40,0
Petroleum, chemical products, rubber and plastic products	38,5	-0,3	-16,9	-24,1	-21,8	-8,8
Coke, petroleum products and nuclear fuel	53,8	-15,5	-38,6	-37,1	-27,8	-25,7
Basic chemicals	17,9	6,2	8,5	-3,5	-21,4	-0,8
Other chemical products	23,5	3,0	-4,8	-19,6	-23,3	9,7
Rubber products	281,3	58,2	8,2	-15,3	-2,7	-13,0
Plastic products	48,7	10,7	-3,2	-12,9	2,4	1,4
Glass and non-metallic mineral products	565,4	106,3	18,5	0,0	8,3	2,7
Glass and glass products	131,8	67,8	8,3	-3,8	-11,2	-8,9
Non-metallic mineral products	956,1	117,3	20,4	0,8	13,3	5,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	146,8	40,9	18,6	0,7	7,5	4,0
Basic iron and steel products	337,9	71,0	41,1	36,8	21,9	26,4
Non-ferrous metal products	22,5	11,6	-0,7	-14,9	-11,8	-12,5
Structural metal products	474,0	62,6	8,4	1,4	5,0	15,9
Other fabricated metal products	281,9	32,0	14,5	-6,2	0,7	1,4
General purpose machinery	190,0	51,5	17,9	-10,2	10,3	1,0
Special purpose machinery	103,7	33,9	28,8	10,6	19,4	2,3
Household appliances	221,8	130,5	53,9	7,4	21,6	17,6
Electrical machinery	242,5	42,8	22,1	5,8	13,5	-2,0
Radio, television and communication apparatus and professional equipment	118,8	30,5	0,0	-17,8	-9,9	-22,9
Radio, television and communication apparatus	422,2	36,5	-5,6	-21,3	6,4	-0,4
Professional equipment	105,2	29,7	0,6	-17,4	-11,8	-25,9
Motor vehicles, parts and accessories and other transport equipment	4 214,3	214,4	79,6	10,4	20,4	6,3
Motor vehicles	¹	255,0	88,7	-31,0	-2,7	0,1
Bodies for motor vehicles, trailers and semi-trailers	859,7	84,1	10,7	-5,2	-1,2	3,4
Parts and accessories	8 600,0	280,7	103,7	37,1	40,2	10,1
Other transport equipment	955,0	73,6	51,4	13,4	12,8	7,9
Furniture and other manufacturing	470,9	107,5	77,2	45,4	24,5	8,5
Furniture	595,5	252,1	56,3	7,0	6,6	15,0
Other manufacturing groups	455,2	91,2	81,6	53,0	28,7	7,0
Total	101,8	38,1	11,9	-4,7	1,9	1,3

¹ Changes from zero in the preceding period cannot be calculated as a percentage.

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	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21
Food and beverages	20,18	13,6	7,9	1,8	-0,5	2,2	0,5
Meat, fish, fruit, etc.	2,95	0,5	0,2	0,2	-0,2	-0,2	0,1
Dairy products	1,34	0,2	0,0	0,0	-0,1	-0,2	-0,2
Grain mill products	1,69	-0,2	0,1	-0,1	0,0	0,0	-0,1
Other food products	7,76	2,7	1,5	0,9	-0,2	0,2	0,1
Beverages	6,44	10,5	6,1	0,9	0,0	2,4	0,6
Textiles, clothing, leather and footwear	4,38	6,2	1,6	0,6	-0,3	-0,2	0,1
Textiles	1,10	2,4	0,9	0,3	-0,1	0,0	0,0
Other textile products	0,65	0,9	0,4	0,2	0,0	0,1	0,1
Knitted, crocheted articles	0,06	0,1	0,0	0,0	0,0	0,0	0,0
Wearing apparel	2,04	2,1	0,0	0,0	-0,3	-0,3	0,0
Leather and leather products	0,28	0,2	0,1	0,1	0,0	0,0	0,0
Footwear	0,25	0,5	0,2	0,1	0,0	0,0	0,0
Wood and wood products, paper, publishing and printing	10,77	7,3	2,9	1,8	0,1	1,1	1,3
Sawmilling and planing of wood	0,93	1,0	0,6	0,3	0,0	0,0	-0,2
Products of wood	0,87	1,3	0,5	0,2	0,0	0,1	0,0
Paper and paper products	5,39	1,7	1,0	0,6	-0,2	0,7	0,4
Publishing	2,24	1,5	0,1	0,2	0,0	0,1	0,7
Printing, recorded media	1,34	1,9	0,7	0,5	0,2	0,3	0,4
Petroleum, chemical products, rubber and plastic products	25,38	11,9	-0,1	-4,5	-6,4	-5,6	-2,1
Coke, petroleum products and nuclear fuel	12,02	5,6	-1,4	-4,5	-4,3	-3,1	-2,6
Basic chemicals	3,69	1,2	0,3	0,3	-0,1	-0,8	0,0
Other chemical products	6,54	2,4	0,3	-0,4	-1,4	-1,6	0,6
Rubber products	0,84	1,1	0,4	0,1	-0,1	0,0	-0,1
Plastic products	2,29	1,6	0,3	-0,1	-0,3	0,1	0,0
Glass and non-metallic mineral products	3,42	5,7	2,5	0,6	0,0	0,3	0,1
Glass and glass products	0,51	0,6	0,4	0,0	0,0	-0,1	-0,1
Non-metallic mineral products	2,91	5,0	2,1	0,6	0,0	0,3	0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,47	24,5	8,7	3,7	0,1	1,4	0,8
Basic iron and steel products	2,82	4,8	1,9	1,0	0,9	0,5	0,6
Non-ferrous metal products	3,26	1,3	0,5	0,0	-0,5	-0,4	-0,4
Structural metal products	1,98	2,7	1,0	0,2	0,0	0,1	0,3
Other fabricated metal products	3,35	5,5	1,3	0,5	-0,3	0,0	0,1
General purpose machinery	3,46	4,9	1,8	0,7	-0,4	0,4	0,0
Special purpose machinery	3,87	4,3	1,6	1,1	0,4	0,7	0,1
Household appliances	0,73	1,0	0,6	0,3	0,0	0,1	0,1
Electrical machinery	2,31	2,8	0,8	0,4	0,1	0,3	0,0
Radio, television and communication apparatus and professional equipment	1,21	1,1	0,3	0,0	-0,2	-0,1	-0,3
Radio, television and communication apparatus	0,13	0,2	0,0	0,0	0,0	0,0	0,0
Professional equipment	1,08	0,9	0,3	0,0	-0,2	-0,1	-0,3
Motor vehicles, parts and accessories and other transport equipment	8,66	22,5	10,4	5,3	0,9	1,6	0,5
Motor vehicles	2,65	6,4	3,0	1,6	-0,7	-0,1	0,0
Bodies for motor vehicles, trailers and semi-trailers	0,71	1,7	0,6	0,1	-0,1	0,0	0,0
Parts and accessories	3,93	12,7	6,2	3,2	1,5	1,6	0,4
Other transport equipment	1,37	1,7	0,5	0,4	0,1	0,1	0,1
Furniture and other manufacturing	4,21	6,2	3,0	2,1	1,4	0,9	0,3
Furniture	0,86	1,0	0,7	0,3	0,0	0,1	0,1
Other manufacturing groups	3,35	5,2	2,3	1,9	1,4	0,9	0,2
Total	100	101,8	38,1	11,9	-4,7	1,9	1,3

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	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Month-on-month % change
Food and beverages	20,18	114,5	111,2	96,7	114,1	114,8	0,6
Meat, fish, fruit, etc.	2,95	104,4	104,9	99,9	101,4	105,2	3,7
Dairy products	1,34	109,6	106,4	106,1	101,3	100,7	-0,6
Grain mill products	1,69	99,0	91,9	97,7	97,5	96,5	-1,0
Other food products	7,76	120,3	116,6	115,6	118,2	117,9	-0,3
Beverages	6,44	117,2	113,7	70,1	122,1	123,2	0,9
Textiles, clothing, leather and footwear	4,38	78,1	80,7	69,9	75,3	81,7	8,5
Textiles	1,10	112,1	109,8	98,7	106,6	114,1	7,0
Other textile products	0,65	76,4	78,8	71,1	76,7	81,4	6,1
Knitted, crocheted articles	0,06	62,5	60,3	59,7	67,9	63,6	-6,3
Wearing apparel	2,04	60,6	66,9	50,8	58,4	66,0	13,0
Leather and leather products	0,28	55,9	60,7	70,2	53,5	60,1	12,3
Footwear	0,25	105,3	97,9	99,5	98,0	97,7	-0,3
Wood and wood products, paper, publishing and printing	10,77	87,2	87,0	79,9	88,6	91,6	3,4
Sawmilling and planing of wood	0,93	87,4	92,3	79,7	81,6	79,4	-2,7
Products of wood	0,87	99,4	96,1	96,8	100,4	101,3	0,9
Paper and paper products	5,39	95,0	95,4	86,0	97,7	93,6	-4,2
Publishing	2,24	62,6	62,0	60,4	65,8	90,0	36,8
Printing, recorded media	1,34	88,6	85,7	76,9	87,5	88,1	0,7
Petroleum, chemical products, rubber and plastic products	25,38	71,3	73,5	71,5	71,8	82,8	15,3
Coke, petroleum products and nuclear fuel	12,02	42,6	49,6	55,6	62,5	62,2	-0,5
Basic chemicals	3,69	95,9	99,5	94,6	75,9	102,4	34,9
Other chemical products	6,54	99,6	93,8	81,7	73,8	102,0	38,2
Rubber products	0,84	87,6	89,0	73,5	90,6	85,0	-6,2
Plastic products	2,29	96,0	93,3	87,9	101,8	103,9	2,1
Glass and non-metallic mineral products	3,42	93,0	88,4	87,1	91,0	90,7	-0,3
Glass and glass products	0,51	117,7	99,6	104,3	100,4	103,6	3,2
Non-metallic mineral products	2,91	88,7	86,5	84,1	89,4	88,5	-1,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,47	100,2	98,1	96,0	96,9	97,6	0,7
Basic iron and steel products	2,82	97,0	101,7	111,8	105,5	106,4	0,9
Non-ferrous metal products	3,26	95,4	92,4	86,0	87,3	85,9	-1,6
Structural metal products	1,98	86,4	82,2	77,8	82,2	89,4	8,8
Other fabricated metal products	3,35	104,1	101,2	98,8	99,5	104,3	4,8
General purpose machinery	3,46	101,0	98,7	97,6	101,0	102,0	1,0
Special purpose machinery	3,87	110,4	105,8	100,9	101,3	95,9	-5,3
Household appliances	0,73	96,6	95,6	82,0	92,8	94,8	2,2
Electrical machinery	2,31	80,5	78,7	77,6	79,4	79,5	0,1
Radio, television and communication apparatus and professional equipment	1,21	84,2	77,2	69,2	74,0	66,2	-10,5
Radio, television and communication apparatus	0,13	86,9	83,6	67,1	81,5	87,1	6,9
Professional equipment	1,08	83,9	76,4	69,4	73,1	63,6	-13,0
Motor vehicles, parts and accessories and other transport equipment	8,66	113,3	112,8	88,4	96,6	98,3	1,8
Motor vehicles	2,65	100,9	101,8	38,8	64,8	80,0	23,5
Bodies for motor vehicles, trailers and semi-trailers	0,71	119,5	128,3	116,2	117,4	122,7	4,5
Parts and accessories	3,93	135,9	133,3	122,6	122,8	115,9	-5,6
Other transport equipment	1,37	68,9	67,0	71,8	71,8	70,4	-1,9
Furniture and other manufacturing	4,21	96,5	100,0	96,7	103,3	97,2	-5,9
Furniture	0,86	72,5	71,1	58,7	82,9	90,1	8,7
Other manufacturing groups	3,35	102,7	107,5	106,6	108,6	99,1	-8,7
Total	100	93,5	92,9	85,4	91,5	95,0	3,8

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

Month	2015	2016	2017	2018	2019	2020	2021 ¹
Jan	135 301	139 225	149 636	156 666	172 214	171 007	171 152
Feb	150 646	163 356	165 487	176 719	187 842	192 539	198 975
Mar	169 920	172 593	185 940	188 124	204 507	193 836	229 933
Apr	149 135	163 319	160 384	167 557	193 058	94 494	207 693
May	160 649	176 020	182 432	195 219	203 372	140 157	213 056
Jun	165 821	180 107	186 151	195 254	202 998	170 119	219 285
Jul	166 355	173 886	177 739	197 011	206 806	183 456	189 809
Aug	164 144	180 189	189 251	204 516	215 850	189 101	210 473
Sep	174 985	187 502	191 607	208 143	208 597	204 603	222 974
Oct	181 669	186 919	200 251	224 904	226 883	224 572	
Nov	182 525	199 033	217 252	229 912	224 760	228 294	
Dec	157 693	165 055	175 645	184 356	178 414	188 434	
Total	1 958 843	2 087 204	2 181 775	2 328 381	2 425 301	2 180 612	

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	2,9	7,5	4,7	9,9	-0,7	0,1	0,1
Feb	8,4	1,3	6,8	6,3	2,5	3,3	1,8
Mar	1,6	7,7	1,2	8,7	-5,2	18,6	7,7
Apr	9,5	-1,8	4,5	15,2	-51,1	119,8	23,9
May	9,6	3,6	7,0	4,2	-31,1	52,0	28,9
Jun	8,6	3,4	4,9	4,0	-16,2	28,9	28,9
Jul	4,5	2,2	10,8	5,0	-11,3	3,5	24,8
Aug	9,8	5,0	8,1	5,5	-12,4	11,3	22,9
Sep	7,2	2,2	8,6	0,2	-1,9	9,0	21,1
Oct	2,9	7,1	12,3	0,9	-1,0		
Nov	9,0	9,2	5,8	-2,2	1,6		
Dec	4,7	6,4	5,0	-3,2	5,6		
Total	6,6	4,5	6,7	4,2	-10,1		

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	184 777	201 831	198 924	203 714	-3,2	-0,1	3,3	0,1
Feb	187 991	199 520	205 297	210 619	1,7	-1,1	3,2	3,4
Mar	187 744	202 239	191 182	224 195	-0,1	1,4	-6,9	6,4
Apr	179 256	206 738	101 921	218 980	-4,5	2,2	-46,7	-2,3
May	192 815	199 863	140 571	216 104	7,6	-3,3	37,9	-1,3
Jun	191 609	203 915	167 530	215 948	-0,6	2,0	19,2	-0,1
Jul	197 213	204 811	180 427	188 626	2,9	0,4	7,7	-12,7
Aug	195 938	208 986	186 422	204 875	-0,6	2,0	3,3	8,6
Sep	202 887	201 329	194 435	212 312	3,5	-3,7	4,3	3,6
Oct	202 082	203 630	201 106		-0,4	1,1	3,4	
Nov	201 684	198 511	204 041		-0,2	-2,5	1,5	
Dec	202 080	192 596	203 575		0,2	-3,0	-0,2	

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

Manufacturing division and major group	Apr-21	May-21	Jun-21	¹ Jul-21	¹ Aug-21	¹ Sep-21
Food and beverages	50 527	51 394	51 033	45 800	54 923	56 060
Meat, fish, fruit, etc.	14 640	14 847	15 699	14 029	14 891	16 237
Dairy products	4 064	4 038	4 064	4 451	4 292	4 337
Grain mill products	7 698	8 276	8 123	8 595	8 610	8 549
Other food products	11 129	11 649	11 728	11 653	12 539	10 788
Beverages	12 995	12 584	11 419	7 072	14 591	16 149
Textiles, clothing, leather and footwear	4 844	4 592	4 632	4 490	4 855	5 326
Textiles	752	758	744	690	736	796
Other textile products	1 492	1 426	1 408	1 294	1 338	1 521
Knitted, crocheted articles	169	194	166	172	212	205
Wearing apparel	1 346	1 212	1 253	1 186	1 493	1 674
Leather and leather products	535	443	454	505	407	523
Footwear	550	559	607	642	669	608
Wood and wood products, paper, publishing and printing	12 438	13 252	14 136	12 191	14 184	16 355
Sawmilling and planing of wood	890	965	979	814	897	832
Products of wood	1 719	1 686	1 789	1 930	2 069	2 117
Paper and paper products	6 496	7 265	7 920	6 183	7 219	8 506
Publishing	1 008	933	1 069	987	1 280	2 070
Printing, recorded media	2 325	2 403	2 379	2 277	2 718	2 830
Petroleum, chemical products, rubber and plastic products	36 659	37 591	39 419	34 759	35 980	42 588
Coke, petroleum products and nuclear fuel	7 909	8 497	8 799	6 889	8 249	8 063
Basic chemicals	9 413	8 819	9 917	9 039	8 050	10 936
Other chemical products	11 787	12 415	12 737	11 156	11 007	14 489
Rubber products	1 443	1 561	1 675	1 433	1 532	1 594
Plastic products	6 107	6 299	6 291	6 242	7 142	7 506
Glass and non-metallic mineral products	5 773	6 302	6 414	6 207	6 455	6 701
Glass and glass products	1 102	1 162	1 211	1 137	1 257	1 258
Non-metallic mineral products	4 672	5 141	5 202	5 070	5 197	5 443
Basic iron and steel, non-ferrous metal products, metal products and machinery	49 457	52 153	54 995	48 383	54 074	56 598
Basic iron and steel products	12 174	11 947	13 180	11 585	12 925	16 034
Non-ferrous metal products	17 353	18 287	19 315	15 336	19 128	16 432
Structural metal products	2 826	3 445	3 724	3 380	3 448	4 017
Other fabricated metal products	6 796	7 076	7 189	7 093	7 376	7 807
General purpose machinery	3 929	4 228	4 367	4 002	4 313	4 954
Special purpose machinery	5 195	5 940	5 979	5 965	5 720	6 131
Household appliances	1 183	1 230	1 241	1 022	1 164	1 223
Electrical machinery	4 658	4 980	5 074	5 122	5 378	5 669
Radio, television and communication apparatus and professional equipment	1 792	2 016	1 933	1 650	1 991	2 060
Radio, television and communication apparatus	832	929	927	755	1 048	1 196
Professional equipment	960	1 087	1 007	895	942	864
Motor vehicles, parts and accessories and other transport equipment	34 496	33 097	33 667	22 999	23 741	22 797
Motor vehicles	20 762	19 470	20 763	11 096	12 099	11 286
Bodies for motor vehicles, trailers and semi-trailers	1 178	1 197	1 345	1 211	1 271	1 301
Parts and accessories	10 371	10 240	9 122	8 168	7 813	7 420
Other transport equipment	2 186	2 190	2 437	2 524	2 558	2 789
Furniture and other manufacturing	7 048	7 676	7 981	8 208	8 892	8 821
Furniture	1 084	1 307	1 235	1 339	1 535	1 744
Other manufacturing groups	5 964	6 369	6 746	6 869	7 357	7 076
Total	207 693	213 056	219 285	189 809	210 473	222 974

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	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21
Food and beverages	41,4	35,4	11,8	8,1	14,9	9,2
Meat, fish, fruit, etc.	27,1	17,7	17,7	0,5	5,8	12,1
Dairy products	7,2	-0,6	0,5	2,8	-3,2	-7,0
Grain mill products	9,8	14,2	8,0	13,1	13,6	11,2
Other food products	10,2	25,6	23,0	19,8	15,4	7,8
Beverages	292,0	163,9	2,0	4,7	34,5	11,4
Textiles, clothing, leather and footwear	257,2	60,2	19,7	3,5	-0,9	5,8
Textiles	452,9	81,8	17,4	-9,8	-2,5	-1,1
Other textile products	327,5	90,1	41,1	7,0	12,2	16,4
Knitted, crocheted articles	1 026,7	81,3	7,1	-0,6	0,5	-6,4
Wearing apparel	132,5	10,5	0,9	-2,7	-12,3	7,9
Leather and leather products	116,6	29,5	14,6	19,7	-5,1	1,8
Footwear	1 796,6	267,8	36,4	17,2	9,5	-4,3
Wood and wood products, paper, publishing and printing	78,9	39,3	23,9	3,0	8,7	18,1
Sawmilling and planing of wood	155,0	94,2	27,0	-14,7	-13,2	-15,8
Products of wood	195,9	81,9	15,9	15,9	12,9	16,7
Paper and paper products	26,8	21,8	16,4	-5,4	3,9	9,7
Publishing	105,3	17,5	20,7	2,8	-0,2	48,7
Printing, recorded media	467,1	80,7	69,3	32,3	39,1	48,9
Petroleum, chemical products, rubber and plastic products	59,9	26,1	14,2	-2,9	-3,0	12,1
Coke, petroleum products and nuclear fuel	119,9	64,1	11,6	-15,6	-6,3	-0,3
Basic chemicals	49,8	18,2	29,1	17,5	-1,6	17,7
Other chemical products	28,8	6,4	5,2	-12,0	-13,8	14,6
Rubber products	321,9	44,8	21,6	-8,4	2,5	-5,3
Plastic products	71,8	42,2	15,4	9,8	22,5	19,2
Glass and non-metallic mineral products	825,2	92,0	33,1	6,6	10,1	6,3
Glass and glass products	295,0	78,8	50,6	-2,4	5,0	-4,8
Non-metallic mineral products	1 258,1	95,3	29,6	8,8	11,3	9,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	173,9	52,5	42,9	16,2	34,1	24,2
Basic iron and steel products	266,8	61,3	52,3	32,6	42,3	78,7
Non-ferrous metal products	104,5	49,7	52,3	19,1	58,0	4,6
Structural metal products	364,0	82,4	30,9	13,8	13,5	29,7
Other fabricated metal products	310,1	50,5	31,3	5,1	15,6	14,7
General purpose machinery	198,1	42,9	26,9	-8,9	6,5	10,5
Special purpose machinery	123,1	33,8	31,8	19,5	21,4	11,7
Household appliances	253,1	113,5	46,7	10,5	23,3	22,5
Electrical machinery	130,0	34,5	19,8	9,7	14,4	9,5
Radio, television and communication apparatus and professional equipment	211,7	35,7	3,2	-10,9	5,2	-2,3
Radio, television and communication apparatus	416,8	26,2	4,9	-10,3	17,5	19,0
Professional equipment	131,9	44,9	1,8	-11,4	-5,9	-21,7
Motor vehicles, parts and accessories and other transport equipment	593,5	141,0	60,0	-23,6	-10,6	-25,7
Motor vehicles	391,3	125,7	55,6	-44,3	-27,2	-41,8
Bodies for motor vehicles, trailers and semi-trailers	1 032,7	113,8	28,3	10,1	15,7	13,4
Parts and accessories	2 199,6	203,8	76,8	17,2	16,3	-4,6
Other transport equipment	1 032,6	86,2	63,1	21,5	21,0	16,3
Furniture and other manufacturing	452,4	113,2	88,1	62,6	28,3	35,3
Furniture	647,6	237,7	61,9	40,2	27,9	20,5
Other manufacturing groups	427,3	98,2	93,8	67,8	28,3	39,5
Total	119,8	52,0	28,9	3,5	11,3	9,0

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

Manufacturing division and major group	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21
Food and beverages	15,7	9,6	3,2	1,9	3,8	2,3
Meat, fish, fruit, etc.	3,3	1,6	1,4	0,0	0,4	0,9
Dairy products	0,3	0,0	0,0	0,1	-0,1	-0,2
Grain mill products	0,7	0,7	0,4	0,5	0,5	0,4
Other food products	1,1	1,7	1,3	1,0	0,9	0,4
Beverages	10,2	5,6	0,1	0,2	2,0	0,8
Textiles, clothing, leather and footwear	3,7	1,2	0,4	0,1	0,0	0,1
Textiles	0,7	0,2	0,1	0,0	0,0	0,0
Other textile products	1,2	0,5	0,2	0,0	0,1	0,1
Knitted, crocheted articles	0,2	0,1	0,0	0,0	0,0	0,0
Wearing apparel	0,8	0,1	0,0	0,0	-0,1	0,1
Leather and leather products	0,3	0,1	0,0	0,0	0,0	0,0
Footwear	0,6	0,3	0,1	0,1	0,0	0,0
Wood and wood products, paper, publishing and printing	5,8	2,7	1,6	0,2	0,6	1,2
Sawmilling and planing of wood	0,6	0,3	0,1	-0,1	-0,1	-0,1
Products of wood	1,2	0,5	0,1	0,1	0,1	0,1
Paper and paper products	1,5	0,9	0,7	-0,2	0,1	0,4
Publishing	0,5	0,1	0,1	0,0	0,0	0,3
Printing, recorded media	2,0	0,8	0,6	0,3	0,4	0,5
Petroleum, chemical products, rubber and plastic products	14,5	5,6	2,9	-0,6	-0,6	2,2
Coke, petroleum products and nuclear fuel	4,6	2,4	0,5	-0,7	-0,3	0,0
Basic chemicals	3,3	1,0	1,3	0,7	-0,1	0,8
Other chemical products	2,8	0,5	0,4	-0,8	-0,9	0,9
Rubber products	1,2	0,3	0,2	-0,1	0,0	0,0
Plastic products	2,7	1,3	0,5	0,3	0,7	0,6
Glass and non-metallic mineral products	5,4	2,2	0,9	0,2	0,3	0,2
Glass and glass products	0,9	0,4	0,2	0,0	0,0	0,0
Non-metallic mineral products	4,6	1,8	0,7	0,2	0,3	0,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	33,2	12,8	9,7	3,7	7,3	5,4
Basic iron and steel products	9,4	3,2	2,7	1,6	2,0	3,5
Non-ferrous metal products	9,4	4,3	3,9	1,3	3,7	0,4
Structural metal products	2,3	1,1	0,5	0,2	0,2	0,4
Other fabricated metal products	5,4	1,7	1,0	0,2	0,5	0,5
General purpose machinery	2,8	0,9	0,5	-0,2	0,1	0,2
Special purpose machinery	3,0	1,1	0,8	0,5	0,5	0,3
Household appliances	0,9	0,5	0,2	0,1	0,1	0,1
Electrical machinery	2,8	0,9	0,5	0,2	0,4	0,2
Radio, television and communication apparatus and professional equipment	1,3	0,4	0,0	-0,1	0,1	0,0
Radio, television and communication apparatus	0,7	0,1	0,0	0,0	0,1	0,1
Professional equipment	0,6	0,2	0,0	-0,1	0,0	-0,1
Motor vehicles, parts and accessories and other transport equipment	31,2	13,8	7,4	-3,9	-1,5	-3,9
Motor vehicles	17,5	7,7	4,4	-4,8	-2,4	-4,0
Bodies for motor vehicles, trailers and semi-trailers	1,1	0,5	0,2	0,1	0,1	0,1
Parts and accessories	10,5	4,9	2,3	0,7	0,6	-0,2
Other transport equipment	2,1	0,7	0,6	0,2	0,2	0,2
Furniture and other manufacturing	6,1	2,9	2,2	1,7	1,0	1,1
Furniture	1,0	0,7	0,3	0,2	0,2	0,1
Other manufacturing groups	5,1	2,3	1,9	1,5	0,9	1,0
Total	119,8	52,0	28,9	3,5	11,3	9,0

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

Manufacturing division and major group	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Month-on-month % change
Food and beverages	54 166	52 858	47 316	54 130	54 449	0,6
Meat, fish, fruit, etc.	15 284	15 559	14 265	14 725	15 874	7,8
Dairy products	4 208	4 367	4 589	4 300	4 268	-0,7
Grain mill products	8 318	8 029	8 450	8 431	8 432	0,0
Other food products	11 738	11 597	11 645	11 612	11 092	-4,5
Beverages	14 618	13 306	8 368	15 062	14 783	-1,9
Textiles, clothing, leather and footwear	4 695	4 715	4 470	4 642	5 063	9,1
Textiles	753	732	665	697	742	6,5
Other textile products	1 398	1 403	1 247	1 368	1 490	8,9
Knitted, crocheted articles	179	163	166	205	188	-8,3
Wearing apparel	1 278	1 343	1 226	1 327	1 548	16,7
Leather and leather products	449	457	535	432	494	14,4
Footwear	638	618	631	612	601	-1,8
Wood and wood products, paper, publishing and printing	13 839	13 914	12 368	13 455	14 510	7,8
Sawmilling and planing of wood	880	937	774	833	813	-2,4
Products of wood	1 776	1 639	1 875	1 922	1 931	0,5
Paper and paper products	7 460	7 563	6 367	6 918	7 254	4,9
Publishing	1 075	1 148	1 092	1 155	1 734	50,1
Printing, recorded media	2 647	2 628	2 260	2 626	2 777	5,8
Petroleum, chemical products, rubber and plastic products	38 177	38 537	34 849	35 204	40 423	14,8
Coke, petroleum products and nuclear fuel	8 134	8 105	6 575	7 854	8 182	4,2
Basic chemicals	8 940	9 594	9 441	8 127	10 144	24,8
Other chemical products	12 969	12 786	11 295	10 714	13 689	27,8
Rubber products	1 534	1 596	1 340	1 524	1 491	-2,2
Plastic products	6 600	6 456	6 198	6 984	6 917	-1,0
Glass and non-metallic mineral products	6 225	6 109	5 926	6 020	6 363	5,7
Glass and glass products	1 260	1 229	1 189	1 191	1 228	3,1
Non-metallic mineral products	4 965	4 880	4 738	4 829	5 135	6,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	51 470	52 567	47 999	53 157	54 411	2,4
Basic iron and steel products	11 299	12 033	11 935	12 907	15 953	23,6
Non-ferrous metal products	18 339	18 963	15 366	18 833	16 015	-15,0
Structural metal products	3 435	3 364	3 180	3 327	3 569	7,3
Other fabricated metal products	7 043	7 020	6 558	6 995	7 316	4,6
General purpose machinery	4 053	4 115	4 024	4 073	4 635	13,8
Special purpose machinery	6 087	5 873	5 866	5 793	5 706	-1,5
Household appliances	1 215	1 198	1 070	1 228	1 218	-0,8
Electrical machinery	4 978	4 973	4 973	5 134	5 275	2,7
Radio, television and communication apparatus and professional equipment	2 066	1 969	1 736	1 945	1 911	-1,7
Radio, television and communication apparatus	980	1 000	839	1 005	1 074	6,9
Professional equipment	1 086	968	897	940	837	-11,0
Motor vehicles, parts and accessories and other transport equipment	32 670	32 485	21 044	22 736	21 510	-5,4
Motor vehicles	19 324	19 909	9 799	11 252	10 145	-9,8
Bodies for motor vehicles, trailers and semi-trailers	1 174	1 231	1 151	1 222	1 226	0,3
Parts and accessories	9 711	9 050	7 569	7 754	7 692	-0,8
Other transport equipment	2 460	2 295	2 524	2 508	2 447	-2,4
Furniture and other manufacturing	7 817	7 821	7 944	8 452	8 397	-0,7
Furniture	1 318	1 242	1 321	1 509	1 635	8,3
Other manufacturing groups	6 499	6 580	6 623	6 943	6 762	-2,6
Total	216 104	215 948	188 626	204 875	212 312	3,6

Survey information

Introduction	1	Statistics South Africa (Stats SA) conducts a monthly survey of the manufacturing industry, covering manufacturing enterprises. This statistical release contains the results of a sample drawn from the business sampling frame (BSF), with enhanced coverage of South African businesses (see 4). The release contains monthly indices of the volume of manufacturing production and monthly value of sales of manufactured products by division and major group.
	2	In accordance with international practice, the indices are usually re-based every five years to a new base year. The current base period of the index is 2015. Both estimated and seasonally adjusted figures are presented.
	3	In order to improve timeliness, some information for the latest month had to be estimated due to late response. These estimates will be revised in future statistical releases as soon as information becomes available.
	4	Stats SA is continuously updating its BSF, based on units registered for value added tax (VAT) and income tax (IT) obtained from the South African Revenue Service (SARS).
Purpose of the survey	5	The results of the monthly manufacturing production and sales survey are used to calculate the volume of manufacturing production indices in order to estimate the gross domestic product (GDP) and its components, which in turn are used to develop and monitor government policy. These indices provide an indicator of the real level of manufacturing activity in the economy.
Special Data Dissemination Standard of the IMF	6	The data in this statistical release adhere to the Special Data Dissemination Standard (SDDS) of the International Monetary Fund (IMF), which sets out standards on coverage, periodicity and timeliness of data, access by the public, integrity, and quality of the disseminated data.
Scope of the survey	7	This survey covers manufacturing enterprises, i.e. those conducting activities in - - the manufacturing, processing, making or packing of products; - the slaughtering of animals, including poultry; and - installation, assembly, completion, repair and related work.
Classification	8	The 1993 edition of the <i>Standard Industrial Classification of all Economic Activities</i> (SIC), Fifth Edition, Report No. 09-90-02, was used to classify the statistical units in the survey. The SIC is based on the 1990 <i>International Standard Industrial Classification of all Economic Activities</i> (ISIC) with suitable adaptations for local conditions. Each enterprise is classified to an industry which reflects its predominant activity. Statistics in this publication are presented at SIC division (two digit) and major group (three digit) level.
Collection rate	9	The preliminary collection rate for the survey on manufacturing production and sales was 61,2% for September 2021. The improved collection rate for August 2021 was 66,0%.
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 3 050 enterprises from a population of 29 137 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 2021 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	1 717 025	17 500 000
Small	3	17 500 001	45 500 000
Medium	2	45 500 001	178 500 000
Large	1	178 500 001	

- 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			
	2015 (based on value added for 2013 – 2015)	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	18,90	19,24	19,76	20,18
Meat, fish, fruit, etc.	2,50	2,58	2,74	2,95
Dairy products	1,21	1,27	1,32	1,34
Grain mill products	1,98	1,95	1,81	1,69
Other food products	7,04	7,29	7,53	7,76
Beverages	6,17	6,15	6,36	6,44
Textiles, clothing, leather and footwear	4,63	4,55	4,44	4,38
Textiles	1,17	1,15	1,11	1,10
Other textile products	0,68	0,67	0,67	0,65
Knitted, crocheted articles	0,06	0,06	0,06	0,06
Wearing apparel	2,16	2,13	2,07	2,04
Leather and leather products	0,30	0,29	0,28	0,28
Footwear	0,26	0,25	0,25	0,25
Wood and wood products, paper, publishing and printing	10,83	10,88	10,76	10,77
Sawmilling and planing of wood	0,89	0,93	0,93	0,93
Products of wood	0,78	0,83	0,86	0,87
Paper and paper products	5,24	5,38	5,33	5,39
Publishing	2,40	2,31	2,28	2,24
Printing, recorded media	1,52	1,43	1,36	1,34
Petroleum, chemical products, rubber and plastic products	24,17	24,66	25,25	25,38
Coke, petroleum products and nuclear fuel	10,48	10,98	11,72	12,02
Basic chemicals	4,18	4,10	3,82	3,69
Other chemical products	6,36	6,28	6,42	6,54
Rubber products	0,98	0,96	0,91	0,84
Plastic products	2,17	2,34	2,38	2,29
Glass and non-metallic mineral products	4,27	3,98	3,66	3,42
Glass and glass products	0,67	0,61	0,57	0,51
Non-metallic mineral products	3,60	3,37	3,09	2,91
Basic iron and steel, non-ferrous metal products, metal products and machinery	20,17	19,82	19,55	19,47
Basic iron and steel products	3,06	2,86	2,77	2,82
Non-ferrous metal products (including precious metals)	3,94	3,74	3,48	3,26
Structural metal products	1,90	1,92	1,97	1,98
Other fabricated metal products	3,37	3,33	3,32	3,35
General purpose machinery	3,22	3,35	3,36	3,46
Special purpose machinery	4,01	3,93	3,93	3,87
Household appliances	0,67	0,69	0,71	0,73
Electrical machinery	2,65	2,55	2,42	2,31
Radio, television and communication apparatus and professional equipment	1,45	1,46	1,34	1,21
Radio, television and communication apparatus	0,51	0,43	0,29	0,13
Professional equipment	0,94	1,03	1,05	1,08
Motor vehicles, parts and accessories and other transport equipment	8,63	8,63	8,56	8,66
Motor vehicles	2,53	2,51	2,61	2,65
Bodies for motor vehicles, trailers and semi-trailers	0,61	0,66	0,68	0,71
Parts and accessories	4,13	4,10	3,91	3,93
Other transport equipment	1,36	1,36	1,36	1,37
Furniture and other manufacturing	4,29	4,22	4,26	4,21
Furniture	0,87	0,88	0,91	0,86
Other manufacturing groups	3,42	3,34	3,35	3,35
Total	100	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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