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Manufacturing: Production and sales (Preliminary)

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Production: results for November 2021

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

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

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

Manufacturing production decreased by 0,7% in November 2021 compared with November 2020. Negative contributions were made by the following divisions:

- petroleum, chemical products, rubber and plastic products (-13,6% and contributing -3,1 percentage points); and
- furniture and 'other' manufacturing (-7,9% and contributing -0,4 of a percentage point).

The largest positive contributions were made by the following divisions:

- basic iron and steel, non-ferrous metal products, metal products and machinery (4,4% and contributing 0,8 of a percentage point);
- wood and wood products, paper, publishing and printing (6,7% and contributing 0,7 of a percentage point);
- textiles, clothing, leather and footwear (13,4% and contributing 0,5 of a percentage point); and
- food and beverages (1,9% and contributing 0,5 of a percentage point) – see Tables 5 and 6.

Seasonally adjusted manufacturing production increased by 3,7% in November 2021 compared with October 2021. This followed month-on-month changes of -5,2% in October 2021 and 2,7% in September 2021 – see Table A.

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

The largest positive contributions were made by the following divisions:

- petroleum, chemical products, rubber and plastic products (7,9% and contributing 1,6 percentage points); and
- food and beverages (5,0% and contributing 1,2 percentage points).

The largest negative contribution was made by the basic iron and steel, non-ferrous metal products, metal products and machinery division (-4,7% and contributing -1,0 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	Jun – Aug 2021	Sep – Nov 2021	% change between Jun – Aug 2021 and Sep – Nov 2021	Contribution (% points) to the total % change
Food and beverages	20,18	107,0	112,3	5,0	1,2
Meat, fish, fruit, etc.	2,95	102,0	105,3	3,2	0,1
Dairy products	1,34	105,5	110,2	4,5	0,1
Grain mill products	1,69	95,9	98,7	2,9	0,1
Other food products	7,76	115,5	109,7	-5,0	-0,5
Beverages	6,44	102,3	122,8	20,0	1,5
Textiles, clothing, leather and footwear	4,38	75,9	85,0	12,0	0,4
Textiles	1,10	105,3	116,4	10,5	0,1
Other textile products	0,65	76,8	82,4	7,3	0,0
Knitted, crocheted articles	0,06	62,7	67,4	7,5	0,0
Wearing apparel	2,04	59,4	71,4	20,2	0,3
Leather and leather products	0,28	61,1	59,1	-3,3	0,0
Footwear	0,25	98,9	97,3	-1,6	0,0
Wood and wood products, paper, publishing and printing	10,77	85,3	89,9	5,4	0,6
Sawmilling and planing of wood	0,93	85,7	81,6	-4,8	0,0
Products of wood	0,87	97,7	100,0	2,4	0,0
Paper and paper products	5,39	92,9	97,1	4,5	0,3
Publishing	2,24	62,7	73,0	16,4	0,3
Printing, recorded media	1,34	84,4	88,4	4,7	0,1
Petroleum, chemical products, rubber and plastic products	25,38	72,5	78,2	7,9	1,6
Coke, petroleum products and nuclear fuel	12,02	55,9	65,0	16,3	1,2
Basic chemicals	3,69	91,6	85,7	-6,4	-0,2
Other chemical products	6,54	83,3	90,2	8,3	0,5
Rubber products	0,84	84,2	85,7	1,8	0,0
Plastic products	2,29	94,1	98,2	4,4	0,1
Glass and non-metallic mineral products	3,42	89,3	90,7	1,6	0,1
Glass and glass products	0,51	101,5	103,8	2,3	0,0
Non-metallic mineral products	2,91	87,2	88,4	1,4	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,47	97,2	92,6	-4,7	-1,0
Basic iron and steel products	2,82	106,3	100,8	-5,2	-0,2
Non-ferrous metal products	3,26	90,4	82,2	-9,1	-0,3
Structural metal products	1,98	80,4	81,2	1,0	0,0
Other fabricated metal products	3,35	100,1	96,9	-3,2	-0,1
General purpose machinery	3,46	98,4	93,0	-5,5	-0,2
Special purpose machinery	3,87	102,9	98,0	-4,8	-0,2
Household appliances	0,73	89,8	89,6	-0,2	0,0
Electrical machinery	2,31	78,7	80,5	2,3	0,0
Radio, television and communication apparatus and professional equipment	1,21	74,3	79,6	7,1	0,1
Radio, television and communication apparatus	0,13	78,5	92,7	18,1	0,0
Professional equipment	1,08	73,8	78,0	5,7	0,1
Motor vehicles, parts and accessories and other transport equipment	8,66	98,0	95,6	-2,4	-0,2
Motor vehicles	2,65	68,3	81,0	18,6	0,4
Bodies for motor vehicles, trailers and semi-trailers	0,71	120,0	118,1	-1,6	0,0
Parts and accessories	3,93	123,3	107,9	-12,5	-0,7
Other transport equipment	1,37	71,7	76,9	7,3	0,1
Furniture and other manufacturing	4,21	99,1	89,0	-10,2	-0,5
Furniture	0,86	74,3	81,1	9,2	0,1
Other manufacturing groups	3,35	105,5	91,1	-13,6	-0,5
Total	100	89,9	91,9	2,2	2,2

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

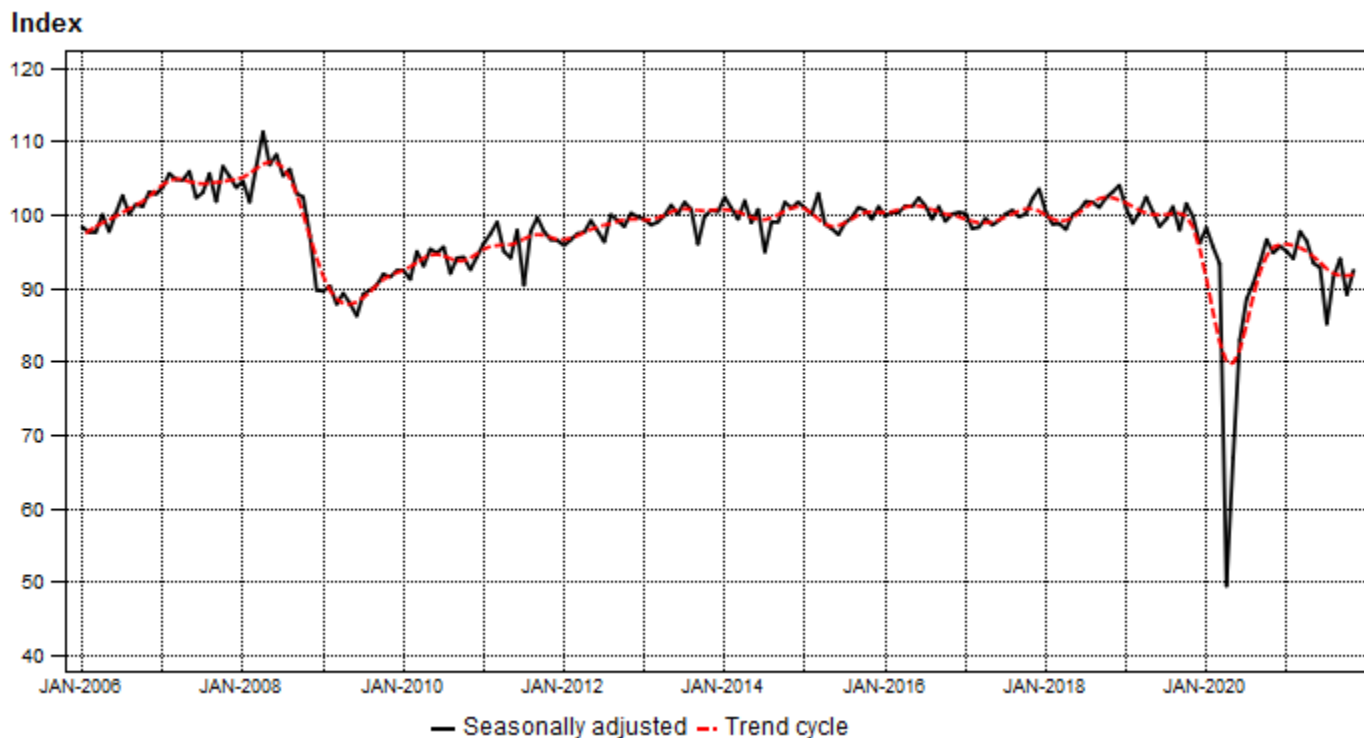
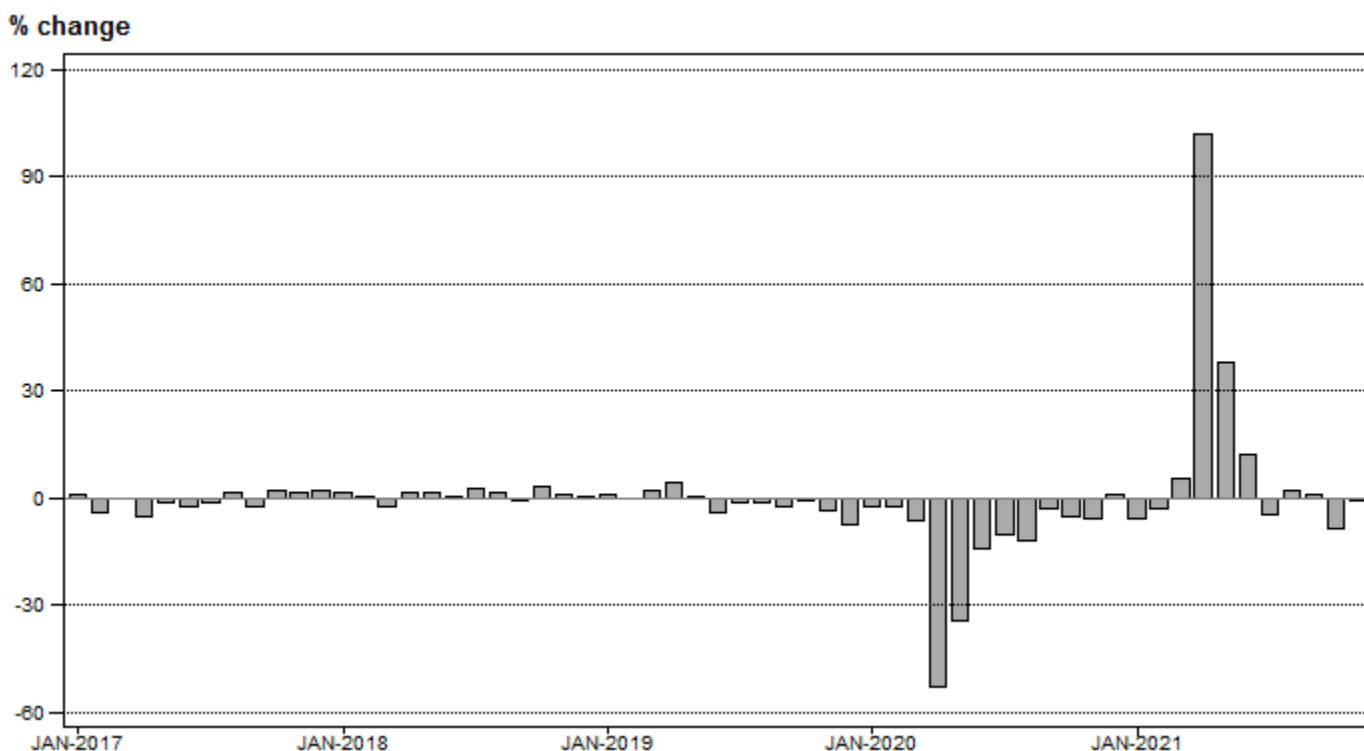


Figure 2 – Volume of manufacturing production (Base: 2015=100): year-on-year percentage change



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

	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21
Year-on-year % change, unadjusted	28,9	3,6	11,4	8,7	-1,6	8,3
Month-on-month % change, seasonally adjusted	-0,1	-12,6	9,0	3,4	-6,1	7,6
3-month % change, seasonally adjusted ¹	2,1	-4,8	-7,3	-6,7	-0,4	2,8

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

Seasonally adjusted manufacturing sales increased by 7,6% in November 2021 compared with October 2021. This followed month-on-month changes of -6,1% in October 2021 and 3,4% in September 2021 – see Table C.

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

Manufacturing division	Jun – Aug 2021 (R million)	Sep – Nov 2021 (R million)	% change between Jun – Aug 2021 and Sep – Nov 2021	Contribution (% points) to the total % change
Food and beverages	155 079	165 690	6,8	1,7
Textiles, clothing, leather and footwear	13 775	15 216	10,5	0,2
Wood and wood products, paper, publishing and printing	39 855	43 209	8,4	0,5
Petroleum, chemical products, rubber and plastic products	109 022	115 800	6,2	1,1
Glass and non-metallic mineral products	18 066	18 455	2,2	0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	153 665	155 805	1,4	0,4
Electrical machinery	15 083	15 493	2,7	0,1
Radio, television and communication apparatus and professional equipment	5 718	6 609	15,6	0,1
Motor vehicles, parts and accessories and other transport equipment	76 588	66 649	-13,0	-1,6
Furniture and other manufacturing	23 974	24 912	3,9	0,2
Total	610 827	627 839	2,8	2,8

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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	87,0
Aug	101,3	103,6	104,9	106,5	105,1	92,8	94,8
Sep	107,2	107,7	105,3	104,8	102,3	99,2	100,0
Oct	111,1	107,5	109,7	113,2	112,5	106,8	97,7
Nov	109,8	112,0	113,8	115,1	110,8	104,7	104,0
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	-4,8	13,3
Aug	2,3	1,3	1,5	-1,3	-11,7	2,2	11,6
Sep	0,5	-2,2	-0,5	-2,4	-3,0	0,8	10,3
Oct	-3,2	2,0	3,2	-0,6	-5,1	-8,5	7,9
Nov	2,0	1,6	1,1	-3,7	-5,5	-0,7	7,0
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	98,3	95,1	-3,0	-3,0	2,2	-0,7
Feb	98,8	98,9	95,7	94,1	-1,7	-2,1	-2,6	-1,1
Mar	98,9	100,4	93,4	97,8	0,1	1,5	-2,4	3,9
Apr	98,1	102,5	49,5	96,5	-0,8	2,1	-47,0	-1,3
May	100,1	100,5	67,0	93,5	2,0	-2,0	35,4	-3,1
Jun	100,7	98,5	83,0	92,9	0,6	-2,0	23,9	-0,6
Jul	101,9	99,5	88,6	85,2	1,2	1,0	6,7	-8,3
Aug	101,8	101,2	90,7	91,6	-0,1	1,7	2,4	7,5
Sep	101,1	98,0	93,5	94,1	-0,7	-3,2	3,1	2,7
Oct	102,4	101,6	96,7	89,2	1,3	3,7	3,4	-5,2
Nov	103,2	99,8	94,9	92,5	0,8	-1,8	-1,9	3,7
Dec	104,1	96,2	95,8		0,9	-3,6	0,9	

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

Manufacturing division and major group	Weights	Jun-21	Jul-21	Aug-21	¹ Sep-21	¹ Oct-21	¹ Nov-21
Food and beverages	20,18	111,4	95,5	118,1	123,0	122,8	126,3
Meat, fish, fruit, etc.	2,95	106,0	97,1	99,7	106,4	108,5	116,0
Dairy products	1,34	97,3	102,2	103,0	109,8	125,0	125,7
Grain mill products	1,69	94,1	100,5	99,6	101,3	101,5	109,1
Other food products	7,76	129,7	122,1	130,4	131,1	115,1	116,3
Beverages	6,44	99,4	60,0	119,8	129,3	143,6	147,6
Textiles, clothing, leather and footwear	4,38	79,1	74,8	80,4	88,6	101,0	106,4
Textiles	1,10	113,7	105,2	105,7	128,9	133,1	131,7
Other textile products	0,65	77,5	71,7	80,0	83,1	98,5	101,3
Knitted, crocheted articles	0,06	63,2	59,2	76,3	69,3	79,2	72,7
Wearing apparel	2,04	61,1	57,3	67,1	71,7	88,3	98,9
Leather and leather products	0,28	61,6	63,7	50,2	62,1	68,0	63,8
Footwear	0,25	101,8	108,6	113,2	98,4	112,0	124,6
Wood and wood products, paper, publishing and printing	10,77	87,9	79,8	92,1	103,4	95,8	104,8
Sawmilling and planing of wood	0,93	94,0	90,4	88,5	82,1	82,8	94,8
Products of wood	0,87	99,5	100,7	107,6	107,7	117,7	116,7
Paper and paper products	5,39	99,4	85,1	99,0	106,1	97,5	111,4
Publishing	2,24	57,9	55,8	71,8	109,4	83,2	76,2
Printing, recorded media	1,34	80,1	77,6	90,6	94,4	104,4	125,2
Petroleum, chemical products, rubber and plastic products	25,38	73,3	72,3	73,9	82,4	84,4	82,2
Coke, petroleum products and nuclear fuel	12,02	49,6	55,6	62,5	58,9	70,0	66,0
Basic chemicals	3,69	97,5	95,8	80,2	106,5	92,8	88,5
Other chemical products	6,54	93,9	82,2	78,2	102,2	94,9	95,1
Rubber products	0,84	97,9	81,9	92,8	87,8	99,1	88,8
Plastic products	2,29	90,9	90,6	104,8	108,3	111,3	117,9
Glass and non-metallic mineral products	3,42	94,2	93,2	97,7	97,7	102,0	104,5
Glass and glass products	0,51	93,8	104,7	107,8	108,3	116,3	126,1
Non-metallic mineral products	2,91	94,3	91,2	95,9	95,9	99,5	100,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,47	101,2	97,4	99,3	102,8	89,4	104,7
Basic iron and steel products	2,82	99,6	104,4	98,9	106,2	102,4	100,2
Non-ferrous metal products	3,26	95,7	87,0	93,6	92,5	74,3	86,7
Structural metal products	1,98	88,6	85,5	85,6	98,5	80,0	94,4
Other fabricated metal products	3,35	102,8	104,3	103,9	111,1	90,1	123,5
General purpose machinery	3,46	107,2	98,9	107,4	109,9	90,0	103,8
Special purpose machinery	3,87	108,2	103,3	101,5	99,4	96,0	113,5
Household appliances	0,73	93,9	78,4	92,1	93,2	90,8	101,9
Electrical machinery	2,31	82,8	78,3	86,8	83,8	84,7	99,3
Radio, television and communication apparatus and professional equipment	1,21	79,0	68,7	74,6	78,3	91,9	96,3
Radio, television and communication apparatus	0,13	75,5	63,3	84,9	96,9	117,4	118,6
Professional equipment	1,08	79,4	69,4	73,4	76,0	88,8	93,6
Motor vehicles, parts and accessories and other transport equipment	8,66	116,2	96,6	100,6	99,7	99,0	114,3
Motor vehicles	2,65	105,3	55,5	74,5	86,4	88,4	107,3
Bodies for motor vehicles, trailers and semi-trailers	0,71	134,3	123,3	121,3	137,1	121,4	138,3
Parts and accessories	3,93	136,3	128,3	124,2	108,1	109,2	122,1
Other transport equipment	1,37	69,8	71,1	72,7	81,9	78,6	93,2
Furniture and other manufacturing	4,21	98,0	103,1	105,3	102,9	99,8	104,3
Furniture	0,86	70,0	73,1	86,9	98,2	91,9	104,6
Other manufacturing groups	3,35	105,3	110,8	110,1	104,1	101,9	104,2
Total	100	94,0	87,0	94,8	100,0	97,7	104,0

¹ The latest three months are preliminary.

Table 5 – Year-on-year percentage change in the volume of manufacturing production by division and major group (Base: 2015=100)

Manufacturing division and major group	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21
Food and beverages	7,2	-2,9	9,0	3,1	-3,2	1,9
Meat, fish, fruit, etc.	4,4	-6,8	-4,2	2,3	-5,9	7,0
Dairy products	-3,1	-5,1	-11,0	-11,1	1,5	-0,3
Grain mill products	-6,6	0,6	-0,1	-1,2	1,1	7,0
Other food products	8,0	-3,1	1,0	2,6	-13,4	-13,1
Beverages	14,1	-0,2	39,5	8,1	8,5	18,8
Textiles, clothing, leather and footwear	17,9	-8,6	-6,0	2,4	5,3	13,4
Textiles	20,8	-8,0	-4,2	4,5	24,6	13,0
Other textile products	48,8	10,0	23,3	25,2	2,6	10,8
Knitted, crocheted articles	12,9	0,9	-1,2	-15,5	6,5	3,9
Wearing apparel	2,9	-20,6	-16,4	-1,9	-2,9	17,5
Leather and leather products	36,0	23,4	-10,8	-5,6	-11,2	-5,9
Footwear	32,4	8,4	5,3	-10,6	-3,7	10,1
Wood and wood products, paper, publishing and printing	18,8	1,3	11,9	12,5	4,6	6,7
Sawmilling and planing of wood	43,3	0,3	-1,0	-15,4	-18,0	3,0
Products of wood	18,6	3,8	6,4	0,7	-4,8	3,5
Paper and paper products	11,3	-3,1	13,1	5,2	9,4	16,4
Publishing	14,7	-3,1	4,5	41,9	9,8	-12,9
Printing, recorded media	55,8	32,6	35,6	40,3	3,9	3,7
Petroleum, chemical products, rubber and plastic products	-16,9	-24,0	-21,0	-11,7	-15,2	-13,6
Coke, petroleum products and nuclear fuel	-38,6	-37,1	-27,8	-29,6	-18,0	-11,6
Basic chemicals	8,5	-2,6	-18,8	-2,1	-22,6	-24,8
Other chemical products	-4,8	-19,6	-22,0	6,2	-8,4	-10,4
Rubber products	8,2	-15,3	-2,7	-13,8	-3,6	-20,1
Plastic products	-3,2	-13,0	2,4	1,2	-13,1	-8,3
Glass and non-metallic mineral products	18,5	-0,1	9,5	3,0	-6,0	0,8
Glass and glass products	8,3	-3,8	-11,2	-9,0	-11,3	-7,1
Non-metallic mineral products	20,4	0,7	14,7	5,7	-4,9	2,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,6	0,7	8,9	4,3	-14,6	4,4
Basic iron and steel products	41,1	36,8	21,9	26,4	4,9	19,4
Non-ferrous metal products	-0,7	-14,9	-4,5	-7,2	-29,2	-5,5
Structural metal products	8,4	1,7	5,3	16,0	-13,7	-3,0
Other fabricated metal products	14,5	-6,2	0,7	0,6	-27,2	9,9
General purpose machinery	17,9	-10,0	10,2	0,0	-11,0	-4,0
Special purpose machinery	28,8	10,4	20,0	1,1	-6,0	12,9
Household appliances	53,9	7,5	21,2	16,1	-15,1	-13,4
Electrical machinery	22,1	5,4	13,6	-3,8	-2,4	15,7
Radio, television and communication apparatus and professional equipment	0,0	-17,8	-9,8	-13,2	3,8	2,3
Radio, television and communication apparatus	-5,6	-21,2	6,4	-0,5	11,4	5,0
Professional equipment	0,6	-17,4	-11,6	-14,9	2,8	2,0
Motor vehicles, parts and accessories and other transport equipment	79,6	9,2	17,1	4,9	-13,2	0,0
Motor vehicles	88,7	-31,0	-3,0	-0,1	-20,2	-1,9
Bodies for motor vehicles, trailers and semi-trailers	10,7	-5,2	-1,2	3,5	-9,5	-9,1
Parts and accessories	103,7	34,9	33,5	6,2	-13,5	-1,7
Other transport equipment	51,4	12,3	13,6	13,3	5,5	23,4
Furniture and other manufacturing	77,2	49,4	23,3	7,6	-12,8	-7,9
Furniture	56,3	30,5	6,2	14,9	-4,7	4,8
Other manufacturing groups	81,6	53,0	27,4	6,0	-14,5	-10,6
Total	11,9	-4,8	2,2	0,8	-8,5	-0,7

Table 6 – Contribution of each division and major group to the year-on-year percentage change in the volume of manufacturing production (percentage points)

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

Table 7 – Seasonally adjusted index of the volume of manufacturing production by division and major group (Base: 2015=100)

Manufacturing division and major group	Weights	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Month-on-month % change
Food and beverages	20,18	96,0	113,9	115,1	111,5	110,4	-1,0
Meat, fish, fruit, etc.	2,95	99,5	101,5	104,8	104,8	106,2	1,3
Dairy products	1,34	107,1	102,3	104,9	112,9	112,8	-0,1
Grain mill products	1,69	97,9	97,7	98,3	99,0	98,7	-0,3
Other food products	7,76	113,7	116,8	117,4	104,7	107,0	2,2
Beverages	6,44	70,3	122,6	123,6	125,8	119,0	-5,4
Textiles, clothing, leather and footwear	4,38	70,3	76,1	82,9	83,4	88,6	6,2
Textiles	1,10	98,6	107,1	117,0	115,7	116,4	0,6
Other textile products	0,65	71,3	79,8	81,8	81,8	83,7	2,3
Knitted, crocheted articles	0,06	60,3	67,3	63,0	71,8	67,4	-6,1
Wearing apparel	2,04	51,5	58,9	66,9	69,0	78,4	13,6
Leather and leather products	0,28	70,1	52,5	60,8	57,6	58,9	2,3
Footwear	0,25	99,4	100,3	95,8	94,8	101,3	6,9
Wood and wood products, paper, publishing and printing	10,77	80,1	88,7	91,1	87,4	91,2	4,3
Sawmilling and planing of wood	0,93	80,7	83,8	80,3	75,1	89,4	19,0
Products of wood	0,87	96,7	100,4	99,9	100,1	100,1	0,0
Paper and paper products	5,39	86,1	97,1	93,1	95,6	102,6	7,3
Publishing	2,24	59,8	66,1	88,8	68,2	61,9	-9,2
Printing, recorded media	1,34	79,0	88,3	88,9	86,4	90,0	4,2
Petroleum, chemical products, rubber and plastic products	25,38	71,4	72,8	79,9	79,5	75,2	-5,4
Coke, petroleum products and nuclear fuel	12,02	55,6	62,5	58,9	70,0	66,0	-5,7
Basic chemicals	3,69	94,8	80,4	100,6	81,7	74,9	-8,3
Other chemical products	6,54	81,2	75,0	97,9	88,6	84,2	-5,0
Rubber products	0,84	73,4	90,4	83,9	90,0	83,1	-7,7
Plastic products	2,29	87,6	101,6	103,5	95,9	95,1	-0,8
Glass and non-metallic mineral products	3,42	87,5	91,8	90,9	89,4	91,7	2,6
Glass and glass products	0,51	104,4	100,5	103,6	101,7	106,0	4,2
Non-metallic mineral products	2,91	84,6	90,3	88,7	87,3	89,2	2,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,47	95,9	97,6	97,2	83,2	97,5	17,2
Basic iron and steel products	2,82	112,3	105,1	105,4	95,9	101,2	5,5
Non-ferrous metal products	3,26	85,6	92,5	90,1	69,4	87,1	25,5
Structural metal products	1,98	77,7	81,7	89,2	74,4	80,0	7,5
Other fabricated metal products	3,35	99,0	99,8	104,1	79,6	106,9	34,3
General purpose machinery	3,46	97,0	100,1	98,5	87,3	93,2	6,8
Special purpose machinery	3,87	101,0	101,6	95,0	89,4	109,5	22,5
Household appliances	0,73	82,0	92,1	93,3	85,0	90,5	6,5
Electrical machinery	2,31	77,1	80,0	78,3	76,2	87,1	14,3
Radio, television and communication apparatus and professional equipment	1,21	69,0	75,6	74,6	82,3	82,0	-0,4
Radio, television and communication apparatus	0,13	67,5	83,2	87,7	98,1	92,3	-5,9
Professional equipment	1,08	69,2	74,7	73,0	80,4	80,7	0,4
Motor vehicles, parts and accessories and other transport equipment	8,66	87,4	94,0	96,2	89,9	100,8	12,1
Motor vehicles	2,65	39,0	63,9	79,0	72,1	91,9	27,5
Bodies for motor vehicles, trailers and semi-trailers	0,71	115,5	116,6	122,4	113,1	118,7	5,0
Parts and accessories	3,93	120,0	117,2	111,1	103,0	109,7	6,5
Other transport equipment	1,37	72,8	73,7	73,1	74,4	83,2	11,8
Furniture and other manufacturing	4,21	98,5	99,2	95,8	85,5	85,7	0,2
Furniture	0,86	72,9	78,1	90,9	73,9	78,4	6,1
Other manufacturing groups	3,35	105,1	104,6	97,0	88,6	87,6	-1,1
Total	100	85,2	91,6	94,1	89,2	92,5	3,7

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	190 014
Aug	164 144	180 189	189 251	204 516	215 850	189 101	210 625
Sep	174 985	187 502	191 607	208 143	208 597	204 603	222 426
Oct	181 669	186 919	200 251	224 904	226 883	224 572	221 016
Nov	182 525	199 033	217 252	229 912	224 760	228 294	247 135
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	3,6	24,8
Aug	9,8	5,0	8,1	5,5	-12,4	11,4	22,9
Sep	7,2	2,2	8,6	0,2	-1,9	8,7	21,0
Oct	2,9	7,1	12,3	0,9	-1,0	-1,6	18,2
Nov	9,0	9,2	5,8	-2,2	1,6	8,3	17,0
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	184 637	201 702	198 864	203 838	-3,4	-0,2	3,3	0,1
Feb	187 748	199 259	205 367	210 342	1,7	-1,2	3,3	3,2
Mar	187 557	201 854	190 499	223 638	-0,1	1,3	-7,2	6,3
Apr	178 954	206 612	101 849	218 864	-4,6	2,4	-46,5	-2,1
May	193 055	200 267	140 902	216 330	7,9	-3,1	38,3	-1,2
Jun	191 780	204 049	167 501	216 109	-0,7	1,9	18,9	-0,1
Jul	197 159	204 791	180 496	188 845	2,8	0,4	7,8	-12,6
Aug	196 401	209 572	187 148	205 873	-0,4	2,3	3,7	9,0
Sep	203 518	202 049	195 433	212 916	3,6	-3,6	4,4	3,4
Oct	202 122	203 761	201 382	199 895	-0,7	0,8	3,0	-6,1
Nov	200 951	197 520	202 445	215 028	-0,6	-3,1	0,5	7,6
Dec	202 068	192 517	203 572		0,6	-2,5	0,6	

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

Manufacturing division and major group	Jun-21	Jul-21	Aug-21	¹ Sep-21	¹ Oct-21	¹ Nov-21
Food and beverages	51 033	45 766	55 043	56 620	59 536	64 076
Meat, fish, fruit, etc.	15 699	14 044	14 951	16 124	16 434	17 485
Dairy products	4 064	4 440	4 362	4 533	5 026	4 807
Grain mill products	8 123	8 593	8 583	8 708	9 278	10 204
Other food products	11 728	11 639	12 571	11 116	10 845	11 004
Beverages	11 419	7 050	14 575	16 140	17 953	20 577
Textiles, clothing, leather and footwear	4 632	4 486	4 888	5 192	6 014	6 384
Textiles	744	687	732	799	923	883
Other textile products	1 408	1 293	1 406	1 526	1 801	1 876
Knitted, crocheted articles	166	173	215	193	210	207
Wearing apparel	1 253	1 186	1 468	1 600	1 916	2 211
Leather and leather products	454	505	398	493	502	450
Footwear	607	642	669	581	662	758
Wood and wood products, paper, publishing and printing	14 136	12 298	14 213	16 226	15 216	17 407
Sawmilling and planing of wood	979	832	916	850	858	986
Products of wood	1 789	1 930	2 069	2 068	2 195	2 280
Paper and paper products	7 920	6 180	7 207	8 389	7 644	8 927
Publishing	1 069	982	1 285	2 081	1 521	1 415
Printing, recorded media	2 379	2 374	2 737	2 838	2 998	3 798
Petroleum, chemical products, rubber and plastic products	39 419	34 788	36 317	41 857	42 397	42 305
Coke, petroleum products and nuclear fuel	8 799	6 889	8 249	8 063	8 855	9 001
Basic chemicals	9 917	9 072	8 310	10 861	11 138	10 437
Other chemical products	12 737	11 155	11 087	13 888	12 919	12 873
Rubber products	1 675	1 433	1 532	1 577	1 733	1 611
Plastic products	6 291	6 238	7 138	7 469	7 752	8 382
Glass and non-metallic mineral products	6 414	6 196	6 516	6 717	7 000	7 243
Glass and glass products	1 211	1 137	1 257	1 256	1 372	1 492
Non-metallic mineral products	5 202	5 060	5 258	5 462	5 628	5 751
Basic iron and steel, non-ferrous metal products, metal products and machinery	54 995	48 384	54 101	56 333	48 108	60 937
Basic iron and steel products	13 180	11 585	12 925	16 013	10 349	16 773
Non-ferrous metal products	19 315	15 336	19 128	16 437	17 718	18 777
Structural metal products	3 724	3 387	3 456	4 024	3 374	3 927
Other fabricated metal products	7 189	7 093	7 375	7 816	6 335	8 915
General purpose machinery	4 367	4 011	4 309	4 889	3 985	4 554
Special purpose machinery	5 979	5 950	5 749	5 974	5 168	6 642
Household appliances	1 241	1 022	1 160	1 181	1 178	1 349
Electrical machinery	5 074	5 089	5 380	5 599	5 247	6 461
Radio, television and communication apparatus and professional equipment	1 933	1 651	1 996	2 206	2 471	2 844
Radio, television and communication apparatus	927	757	1 048	1 194	1 348	1 635
Professional equipment	1 007	895	947	1 012	1 122	1 209
Motor vehicles, parts and accessories and other transport equipment	33 667	23 145	23 702	22 964	25 952	29 734
Motor vehicles	20 763	11 306	11 997	11 361	15 046	16 668
Bodies for motor vehicles, trailers and semi-trailers	1 345	1 211	1 271	1 303	1 267	1 386
Parts and accessories	9 122	8 127	7 860	7 371	6 810	8 279
Other transport equipment	2 437	2 501	2 574	2 930	2 830	3 401
Furniture and other manufacturing	7 981	8 210	8 469	8 711	9 075	9 744
Furniture	1 235	1 338	1 535	1 744	1 776	2 036
Other manufacturing groups	6 746	6 872	6 934	6 967	7 299	7 707
Total	219 285	190 014	210 625	222 426	221 016	247 135

¹ The latest three months are preliminary.

Table 12 – Year-on-year percentage change in manufacturing sales at current prices by division and major group

Manufacturing division and major group	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21
Food and beverages	11,8	8,0	15,1	10,3	5,5	15,2
Meat, fish, fruit, etc.	17,7	0,6	6,2	11,3	6,0	14,4
Dairy products	0,5	2,5	-1,6	-2,8	4,7	-2,5
Grain mill products	8,0	13,1	13,2	13,2	9,5	21,0
Other food products	23,0	19,7	15,7	11,1	-12,3	-3,2
Beverages	2,0	4,4	34,3	11,3	17,3	31,8
Textiles, clothing, leather and footwear	19,7	3,4	-0,3	3,2	8,4	10,6
Textiles	17,4	-10,2	-3,0	-0,7	16,0	9,3
Other textile products	41,1	6,9	18,0	16,8	6,1	11,5
Knitted, crocheted articles	7,1	0,0	1,9	-11,9	9,4	11,3
Wearing apparel	0,9	-2,7	-13,8	3,1	12,8	18,4
Leather and leather products	14,6	19,7	-7,2	-4,1	-0,2	-15,3
Footwear	36,4	17,2	9,5	-8,5	0,0	8,3
Wood and wood products, paper, publishing and printing	23,9	3,9	8,9	17,2	7,4	12,0
Sawmilling and planing of wood	27,0	-12,8	-11,3	-14,0	-11,7	4,7
Products of wood	15,9	15,9	12,9	14,0	5,4	13,0
Paper and paper products	16,4	-5,5	3,7	8,2	12,4	21,0
Publishing	20,7	2,3	0,2	49,5	13,7	-12,3
Printing, recorded media	69,3	37,9	40,1	49,3	0,8	5,6
Petroleum, chemical products, rubber and plastic products	14,2	-2,8	-2,1	10,1	4,5	1,4
Coke, petroleum products and nuclear fuel	11,6	-15,6	-6,3	-0,3	12,1	7,9
Basic chemicals	29,1	18,0	1,6	16,9	14,1	3,2
Other chemical products	5,2	-12,0	-13,2	9,8	-6,1	-9,1
Rubber products	21,6	-8,4	2,5	-6,4	-1,6	-4,4
Plastic products	15,4	9,7	22,4	18,6	4,6	12,9
Glass and non-metallic mineral products	33,1	6,4	11,1	6,5	-1,1	3,6
Glass and glass products	50,6	-2,4	5,0	-5,0	-16,0	-6,5
Non-metallic mineral products	29,6	8,6	12,6	9,6	3,4	6,6
Basic iron and steel, non-ferrous metal products, metal products and machinery	42,9	16,2	34,2	23,6	1,2	25,0
Basic iron and steel products	52,3	32,6	42,3	78,4	15,3	67,9
Non-ferrous metal products	52,3	19,1	58,0	4,6	8,1	11,5
Structural metal products	30,9	14,1	13,8	29,9	-0,5	10,4
Other fabricated metal products	31,3	5,1	15,6	14,8	-17,1	26,9
General purpose machinery	26,9	-8,7	6,4	9,1	-3,7	7,3
Special purpose machinery	31,8	19,2	22,1	8,9	-9,5	14,8
Household appliances	46,7	10,5	22,9	18,3	-8,0	1,6
Electrical machinery	19,8	9,0	14,4	8,1	-4,7	11,8
Radio, television and communication apparatus and professional equipment	3,2	-10,8	5,5	4,6	-0,3	14,9
Radio, television and communication apparatus	4,9	-10,1	17,5	18,8	-3,5	24,0
Professional equipment	1,8	-11,4	-5,4	-8,3	3,9	4,5
Motor vehicles, parts and accessories and other transport equipment	60,0	-23,1	-10,8	-25,2	-29,9	-20,0
Motor vehicles	55,6	-43,3	-27,8	-41,4	-35,3	-27,4
Bodies for motor vehicles, trailers and semi-trailers	28,3	10,1	15,7	13,6	1,3	-2,3
Parts and accessories	76,8	16,6	17,0	-5,2	-32,0	-19,4
Other transport equipment	63,1	20,4	21,8	22,1	14,0	35,3
Furniture and other manufacturing	88,1	62,6	22,2	33,6	9,9	15,2
Furniture	61,9	40,1	27,9	20,5	3,2	15,9
Other manufacturing groups	93,8	67,9	20,9	37,4	11,7	14,9
Total	28,9	3,6	11,4	8,7	-1,6	8,3

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

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

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

Manufacturing division and major group	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Month-on-month % change
Food and beverages	47 423	54 518	55 440	54 238	56 012	3,3
Meat, fish, fruit, etc.	14 294	14 739	15 746	15 474	15 613	0,9
Dairy products	4 588	4 374	4 433	4 544	4 494	-1,1
Grain mill products	8 498	8 491	8 649	8 973	9 182	2,3
Other food products	11 639	11 639	11 289	9 477	10 310	8,8
Beverages	8 404	15 275	15 322	15 769	16 412	4,1
Textiles, clothing, leather and footwear	4 316	4 712	5 003	5 068	5 145	1,5
Textiles	675	703	757	771	741	-3,9
Other textile products	1 229	1 438	1 496	1 492	1 538	3,1
Knitted, crocheted articles	168	209	184	186	189	1,6
Wearing apparel	1 087	1 335	1 520	1 621	1 709	5,4
Leather and leather products	532	421	467	450	417	-7,3
Footwear	625	605	580	549	550	0,2
Wood and wood products, paper, publishing and printing	12 446	13 502	14 496	13 972	14 741	5,5
Sawmilling and planing of wood	793	847	829	806	916	13,6
Products of wood	1 873	1 920	1 918	1 897	1 946	2,6
Paper and paper products	6 350	6 922	7 230	7 512	8 154	8,5
Publishing	1 086	1 171	1 733	1 266	1 121	-11,5
Printing, recorded media	2 344	2 643	2 787	2 491	2 604	4,5
Petroleum, chemical products, rubber and plastic products	35 051	35 681	39 924	38 467	37 409	-2,8
Coke, petroleum products and nuclear fuel	6 584	7 895	8 262	8 574	8 607	0,4
Basic chemicals	9 473	8 372	10 042	9 822	9 127	-7,1
Other chemical products	11 466	10 909	13 245	11 897	11 390	-4,3
Rubber products	1 341	1 525	1 482	1 570	1 463	-6,8
Plastic products	6 187	6 980	6 893	6 605	6 821	3,3
Glass and non-metallic mineral products	5 895	6 054	6 354	6 011	6 090	1,3
Glass and glass products	1 183	1 183	1 212	1 085	1 145	5,5
Non-metallic mineral products	4 712	4 871	5 142	4 927	4 946	0,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	47 950	53 193	54 301	45 484	56 020	23,2
Basic iron and steel products	11 968	12 958	15 911	9 924	15 450	55,7
Non-ferrous metal products	15 372	18 859	16 059	16 921	18 056	6,7
Structural metal products	3 162	3 300	3 632	3 140	3 320	5,7
Other fabricated metal products	6 565	7 019	7 362	5 630	7 655	36,0
General purpose machinery	3 993	4 027	4 588	3 735	4 177	11,8
Special purpose machinery	5 824	5 801	5 570	5 031	6 195	23,1
Household appliances	1 066	1 228	1 179	1 104	1 167	5,7
Electrical machinery	4 947	5 146	5 153	4 865	5 475	12,5
Radio, television and communication apparatus and professional equipment	1 743	1 991	2 095	2 198	2 316	5,4
Radio, television and communication apparatus	848	1 024	1 119	1 160	1 255	8,2
Professional equipment	895	968	976	1 038	1 060	2,1
Motor vehicles, parts and accessories and other transport equipment	21 124	22 884	21 816	21 388	23 445	9,6
Motor vehicles	9 943	11 411	10 525	10 929	12 139	11,1
Bodies for motor vehicles, trailers and semi-trailers	1 144	1 210	1 205	1 159	1 140	-1,6
Parts and accessories	7 496	7 701	7 472	6 567	7 077	7,8
Other transport equipment	2 542	2 562	2 614	2 733	3 090	13,1
Furniture and other manufacturing	7 949	8 191	8 334	8 204	8 374	2,1
Furniture	1 316	1 506	1 635	1 409	1 522	8,0
Other manufacturing groups	6 633	6 684	6 699	6 795	6 852	0,8
Total	188 845	205 873	212 916	199 895	215 028	7,6

Survey information

Introduction	<p>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.</p> <p>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.</p> <p>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.</p> <p>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).</p>
Purpose of the survey	<p>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.</p>
Special Data Dissemination Standard of the IMF	<p>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.</p>
Scope of the survey	<p>7 This survey covers manufacturing enterprises, i.e. those conducting activities in -</p> <ul style="list-style-type: none"> • the manufacturing, processing, making or packing of products; • the slaughtering of animals, including poultry; and • installation, assembly, completion, repair and related work.
Classification	<p>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.</p>
Collection rate	<p>9 The preliminary collection rate for the survey on manufacturing production and sales was 56,9% for November 2021. The improved collection rate for October 2021 was 67,2%.</p>
Statistical unit	<p>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.</p>
Revised figures	<p>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.</p>
Related publications	<p>12 Users may also wish to refer to <i>Stats in Brief</i> available from Stats SA.</p>

- 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 *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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Stats SA publishes approximately 300 different statistical releases each year. It is not economically viable to produce them in more than one of South Africa's eleven official languages. Since the releases are used extensively, not only locally but also by international economic and social-scientific communities, Stats SA releases are published in English.

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