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Department:
Statistics South Africa
REPUBLIC OF SOUTH AFRICA

Private Bag X44, Pretoria, 0001, South Africa, ISibalo House, Koch Street, Salvokop, Pretoria, 0002
www.statssa.gov.za, info@statssa.gov.za, Tel +27 12 310 8911

STATISTICAL RELEASE

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Manufacturing: Production and sales (Preliminary)

June 2021

The results published in the next publication (July 2021) will be based on a new sample. This is an annual procedure which typically affects the level of sales. To avoid breaks in time series and to minimise revisions to historical growth rates, historical sales levels will be revised (i.e. they will be linked to the estimates based on the new sample).

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Nicolai Claassen
Tel: 072 310 5351

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Production: results for June 2021

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

	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21
Year-on-year % change, unadjusted	-4,3	-2,5	5,4	88,1	36,3	12,5
Month-on-month % change, seasonally adjusted	-0,3	-1,3	3,8	-1,4	-2,0	-0,7
3-month % change, seasonally adjusted ¹	2,2	0,4	0,4	0,8	1,1	-1,0

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

Manufacturing production increased by 12,5% in June 2021 compared with June 2020. The largest positive contributions were made by the following divisions:

- motor vehicles, parts and accessories and other transport equipment (84,1% and contributing 4,9 percentage points);
- basic iron and steel, non-ferrous metal products, metal products and machinery (19,2% and contributing 3,5 percentage points);
- wood and wood products, paper, publishing and printing (22,8% and contributing 2,3 percentage points);
- food and beverages (5,9% and contributing 1,9 percentage points); and
- furniture and 'other' manufacturing (73,5% and contributing 1,4 percentage points) – see Tables 5 and 6.

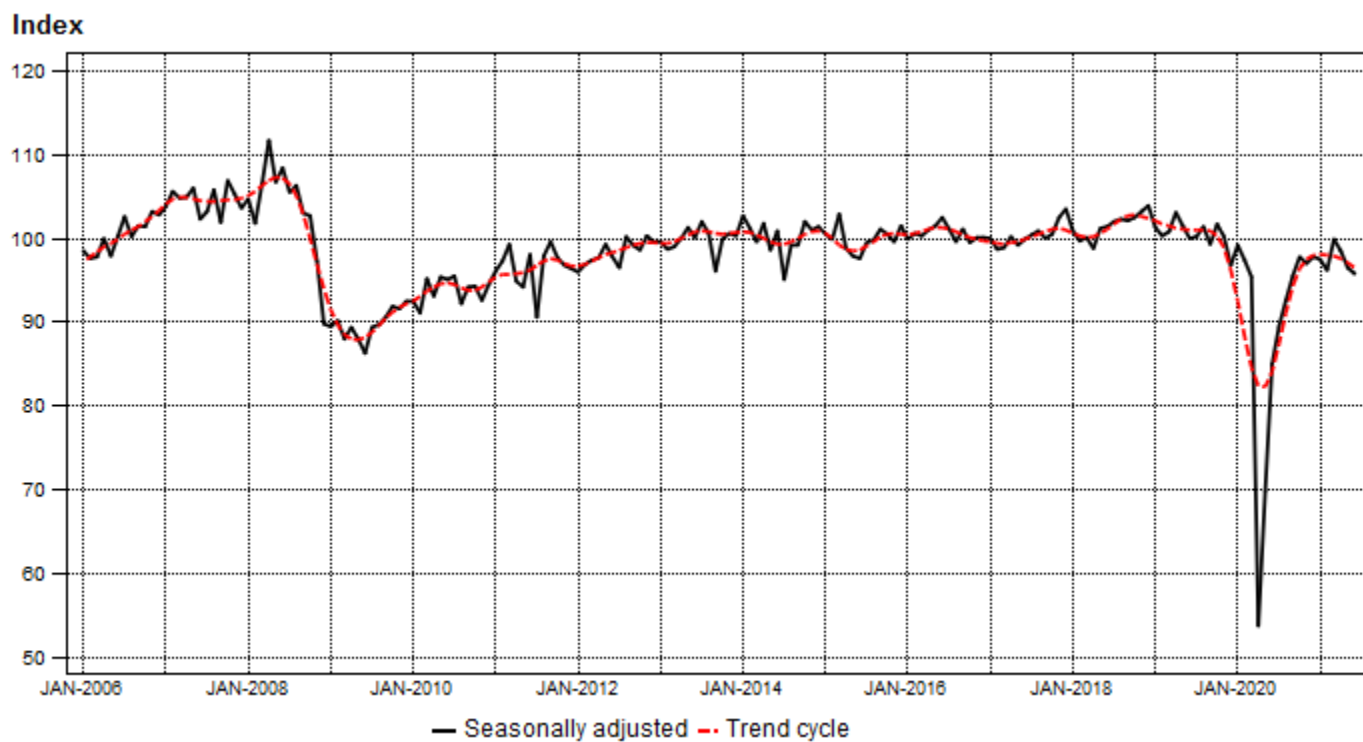
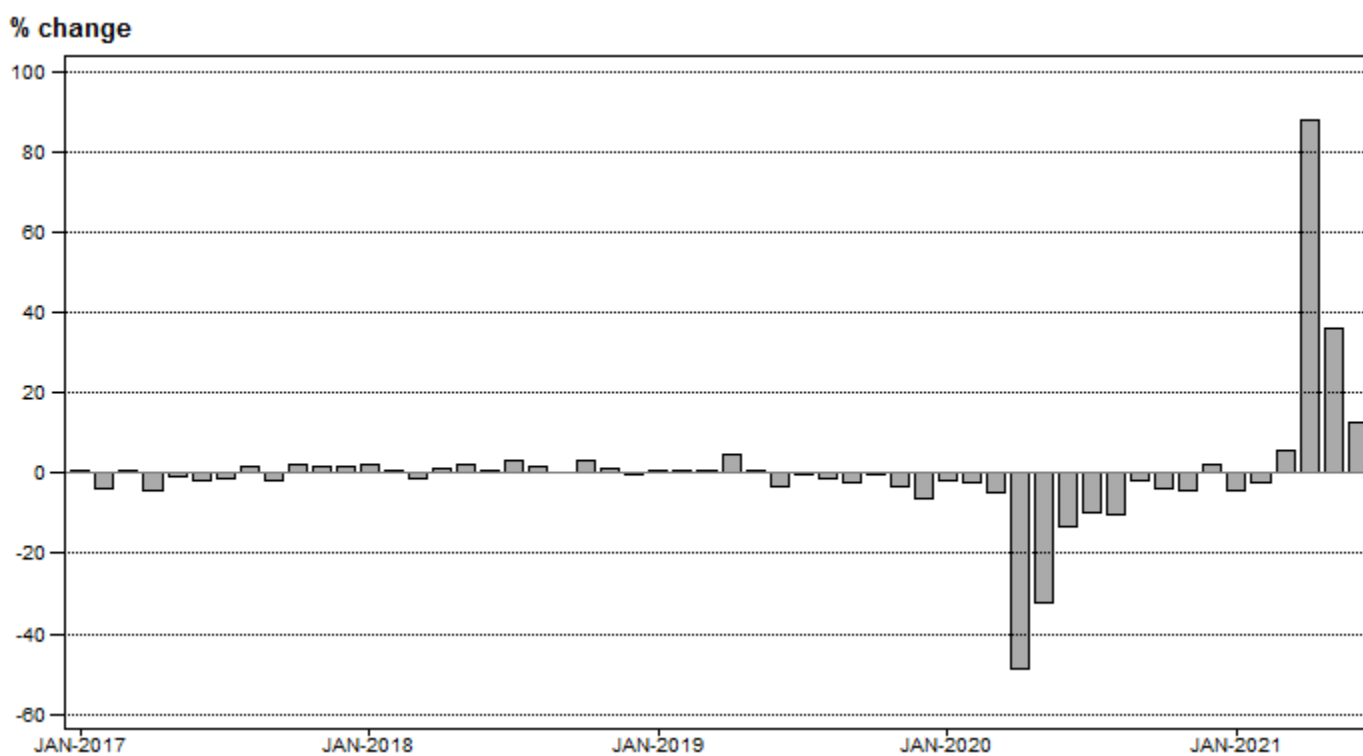
Seasonally adjusted manufacturing production decreased by 0,7% in June 2021 compared with May 2021. This followed month-on-month changes of -2,0% in May 2021 and -1,4% in April 2021 – see Table A.

Seasonally adjusted manufacturing production decreased by 1,0% in the second quarter of 2021 compared with the first quarter of 2021. Six of the ten manufacturing divisions reported negative growth rates over this period.

The largest negative contribution was made by the petroleum, chemical products, rubber and plastic products division (-7,3% and contributing -1,4 percentage points) and the largest positive contribution was made by the basic iron and steel, non-ferrous metal products, metal products and machinery division (3,0% and contributing 0,6 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	Jan – Mar 2021	Apr – Jun 2021	% change between Jan – Mar 2021 and Apr – Jun 2021	Contribution (% points) to the total % change
Food and beverages	27,14	111,0	110,7	-0,3	-0,1
Meat, fish, fruit, etc.	6,75	105,0	105,0	0,0	0,0
Dairy products	2,27	114,6	107,6	-6,1	-0,2
Grain mill products	3,55	93,9	96,3	2,6	0,1
Other food products	8,45	123,9	119,2	-3,8	-0,4
Beverages	6,12	108,4	114,7	5,8	0,4
Textiles, clothing, leather and footwear	3,08	84,0	81,6	-2,9	-0,1
Textiles	0,77	109,7	112,4	2,5	0,0
Other textile products	0,39	80,1	78,8	-1,6	0,0
Knitted, crocheted articles	0,09	65,6	60,5	-7,8	0,0
Wearing apparel	1,02	70,4	65,3	-7,2	-0,1
Leather and leather products	0,46	67,3	59,4	-11,7	0,0
Footwear	0,35	98,5	98,8	0,3	0,0
Wood and wood products, paper, publishing and printing	11,46	90,1	91,2	1,2	0,1
Sawmilling and planing of wood	1,74	90,0	88,7	-1,4	0,0
Products of wood	2,61	104,5	98,8	-5,5	-0,2
Paper and paper products	4,13	90,4	97,2	7,5	0,3
Publishing	1,43	66,5	64,7	-2,7	0,0
Printing, recorded media	1,55	86,7	89,4	3,1	0,0
Petroleum, chemical products, rubber and plastic products	22,52	86,8	80,5	-7,3	-1,4
Coke, petroleum products and nuclear fuel	8,34	63,5	51,9	-18,3	-1,0
Basic chemicals	4,15	101,3	99,4	-1,9	-0,1
Other chemical products	6,15	99,4	96,9	-2,5	-0,2
Rubber products	1,19	100,9	88,6	-12,2	-0,1
Plastic products	2,69	101,8	98,9	-2,8	-0,1
Glass and non-metallic mineral products	3,06	98,1	93,4	-4,8	-0,1
Glass and glass products	0,65	116,7	109,6	-6,1	0,0
Non-metallic mineral products	2,41	93,1	88,9	-4,5	-0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,59	96,7	99,6	3,0	0,6
Basic iron and steel products	3,49	89,4	97,5	9,1	0,3
Non-ferrous metal products	2,68	98,2	96,2	-2,0	-0,1
Structural metal products	2,02	84,0	83,9	-0,1	0,0
Other fabricated metal products	3,73	105,0	103,8	-1,1	0,0
General purpose machinery	2,57	96,4	100,8	4,6	0,1
Special purpose machinery	3,35	102,6	108,9	6,1	0,2
Household appliances	0,75	92,8	96,9	4,4	0,0
Electrical machinery	1,64	77,9	76,3	-2,1	0,0
Radio, television and communication apparatus and professional equipment	1,52	81,6	83,4	2,2	0,0
Radio, television and communication apparatus	0,91	83,2	85,0	2,2	0,0
Professional equipment	0,61	79,3	81,0	2,1	0,0
Motor vehicles, parts and accessories and other transport equipment	7,96	114,5	114,3	-0,2	0,0
Motor vehicles	3,03	105,0	103,8	-1,1	0,0
Bodies for motor vehicles, trailers and semi-trailers	0,49	118,5	123,5	4,2	0,0
Parts and accessories	3,21	139,4	139,9	0,4	0,0
Other transport equipment	1,23	71,3	69,7	-2,2	0,0
Furniture and other manufacturing	3,03	87,7	91,6	4,4	0,1
Furniture	1,06	76,7	71,5	-6,8	-0,1
Other manufacturing groups	1,97	93,6	102,4	9,4	0,2
Total	100	97,9	96,9	-1,0	-1,0

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

	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21
Year-on-year % change, unadjusted	0,3	3,5	18,7	116,6	53,0	29,2
Month-on-month % change, seasonally adjusted	0,0	3,6	6,2	-2,6	-0,2	-0,3
3-month % change, seasonally adjusted ¹	4,8	3,2	5,0	6,9	6,7	2,3

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

Seasonally adjusted manufacturing sales decreased by 0,3% in June 2021 compared with May 2021. This followed month-on-month changes of -0,2% in May 2021 and -2,6% in April 2021 – see Table C.

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

Manufacturing division	Jan – Mar 2021 (R million)	Apr – Jun 2021 (R million)	% change between Jan – Mar 2021 and Apr – Jun 2021	Contribution (% points) to the total % change
Food and beverages	155 983	160 954	3,2	0,8
Textiles, clothing, leather and footwear	14 649	14 187	-3,2	-0,1
Wood and wood products, paper, publishing and printing	41 659	42 623	2,3	0,2
Petroleum, chemical products, rubber and plastic products	113 353	116 974	3,2	0,6
Glass and non-metallic mineral products	18 522	18 210	-1,7	-0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	151 428	155 812	2,9	0,7
Electrical machinery	14 294	14 289	0,0	0,0
Radio, television and communication apparatus and professional equipment	6 162	6 137	-0,4	0,0
Motor vehicles, parts and accessories and other transport equipment	89 121	90 409	1,4	0,2
Furniture and other manufacturing	23 547	23 343	-0,9	0,0
Total	628 716	642 935	2,3	2,3

Risenga Maluleke
Statistician-General

Tables

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

Month	2015	2016	2017	2018	2019	2020	2021 ¹
Jan	87,0	84,8	85,3	87,3	88,1	86,4	82,7
Feb	95,6	97,6	94,0	94,6	95,1	93,1	90,8
Mar	103,8	101,4	101,7	100,2	101,0	95,9	101,1
Apr	92,4	95,4	91,1	92,3	96,6	49,6	93,3
May	97,4	101,4	100,6	103,0	103,4	70,0	95,4
Jun	98,8	103,8	101,9	102,5	99,0	85,9	96,6
Jul	102,0	101,5	100,3	103,3	102,9	93,0	
Aug	101,2	103,5	105,2	107,0	105,6	94,6	
Sep	107,0	107,3	105,3	105,3	102,9	100,8	
Oct	110,9	107,8	110,1	113,7	113,3	108,9	
Nov	109,7	112,1	114,1	115,5	111,4	106,7	
Dec	94,1	92,0	93,7	93,6	87,7	89,8	
Total	100,0	100,7	100,3	101,5	100,6	89,6	

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	-2,5	0,6	2,3	0,9	-1,9	-4,3	-4,3
Feb	2,1	-3,7	0,6	0,5	-2,1	-2,5	-3,3
Mar	-2,3	0,3	-1,5	0,8	-5,0	5,4	-0,3
Apr	3,2	-4,5	1,3	4,7	-48,7	88,1	13,2
May	4,1	-0,8	2,4	0,4	-32,3	36,3	17,3
Jun	5,1	-1,8	0,6	-3,4	-13,2	12,5	16,3
Jul	-0,5	-1,2	3,0	-0,4	-9,6		
Aug	2,3	1,6	1,7	-1,3	-10,4		
Sep	0,3	-1,9	0,0	-2,3	-2,0		
Oct	-2,8	2,1	3,3	-0,4	-3,9		
Nov	2,2	1,8	1,2	-3,5	-4,2		
Dec	-2,2	1,8	-0,1	-6,3	2,4		
Total	0,7	-0,4	1,2	-0,9	-10,9		

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	100,9	101,3	99,2	97,5	-2,5	-2,5	2,5	-0,3
Feb	99,7	100,3	97,4	96,2	-1,2	-1,0	-1,8	-1,3
Mar	100,1	100,8	95,4	99,9	0,4	0,5	-2,1	3,8
Apr	98,8	103,1	53,8	98,5	-1,3	2,3	-43,6	-1,4
May	101,2	101,5	69,9	96,5	2,4	-1,6	29,9	-2,0
Jun	101,4	100,0	85,0	95,8	0,2	-1,5	21,6	-0,7
Jul	102,0	100,2	89,5		0,6	0,2	5,3	
Aug	102,3	101,4	92,6		0,3	1,2	3,5	
Sep	102,1	99,3	95,5		-0,2	-2,1	3,1	
Oct	102,5	101,7	97,8		0,4	2,4	2,4	
Nov	103,2	100,2	97,0		0,7	-1,5	-0,8	
Dec	103,9	96,8	97,8		0,7	-3,4	0,8	

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

Manufacturing division and major group	Weights	Jan-21	Feb-21	Mar-21	¹ Apr-21	¹ May-21	¹ Jun-21
Food and beverages	27,14	89,9	98,1	112,9	105,2	108,6	109,9
Meat, fish, fruit, etc.	6,75	93,1	98,1	107,0	101,2	104,2	106,1
Dairy products	2,27	110,5	101,1	120,9	101,1	100,6	96,4
Grain mill products	3,55	83,6	87,5	95,2	93,1	95,4	96,7
Other food products	8,45	101,4	92,4	106,8	118,5	124,2	129,0
Beverages	6,12	66,5	111,0	135,1	100,0	102,4	100,4
Textiles, clothing, leather and footwear	3,08	61,5	79,5	86,8	80,3	80,5	78,7
Textiles	0,77	86,0	104,8	121,3	112,1	114,8	117,8
Other textile products	0,39	62,0	79,9	81,6	79,1	81,2	78,0
Knitted, crocheted articles	0,09	49,7	62,6	67,6	64,6	62,0	61,2
Wearing apparel	1,02	42,5	67,1	67,4	59,3	63,3	54,1
Leather and leather products	0,46	60,1	60,8	73,3	67,6	56,2	58,0
Footwear	0,35	67,7	88,3	95,5	93,8	90,8	97,2
Wood and wood products, paper, publishing and printing	11,46	76,6	84,5	90,7	82,7	86,5	91,5
Sawmilling and planing of wood	1,74	78,7	83,8	96,0	81,2	90,8	94,1
Products of wood	2,61	87,0	96,3	102,4	97,0	96,4	98,4
Paper and paper products	4,13	79,7	86,7	92,9	86,7	91,9	100,4
Publishing	1,43	52,3	63,8	64,0	55,2	52,8	60,0
Printing, recorded media	1,55	70,9	78,3	83,6	75,1	81,9	82,0
Petroleum, chemical products, rubber and plastic products	22,52	81,7	81,7	86,6	79,7	75,8	79,7
Coke, petroleum products and nuclear fuel	8,34	66,6	60,5	63,4	60,3	42,6	52,9
Basic chemicals	4,15	101,0	90,1	96,6	94,8	94,0	96,9
Other chemical products	6,15	86,9	94,0	100,0	89,2	96,7	94,5
Rubber products	1,19	89,3	105,5	108,9	80,4	96,1	97,9
Plastic products	2,69	83,2	95,9	102,4	94,9	93,6	94,8
Glass and non-metallic mineral products	3,06	79,1	87,2	98,5	91,0	96,2	93,6
Glass and glass products	0,65	108,1	104,4	112,0	98,4	116,3	92,4
Non-metallic mineral products	2,41	71,3	82,5	94,9	89,0	90,7	93,9
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,59	83,0	91,4	105,4	96,9	103,2	100,4
Basic iron and steel products	3,49	93,1	84,3	103,3	99,4	106,3	99,6
Non-ferrous metal products	2,68	91,0	92,3	101,4	95,4	98,1	98,5
Structural metal products	2,02	61,5	81,7	88,0	78,5	88,5	84,2
Other fabricated metal products	3,73	89,0	95,4	112,0	103,8	107,4	99,9
General purpose machinery	2,57	67,8	91,0	96,1	98,3	102,9	109,7
Special purpose machinery	3,35	80,5	99,8	124,0	99,2	108,5	107,1
Household appliances	0,75	97,7	90,5	93,1	90,4	103,9	94,7
Electrical machinery	1,64	66,3	74,4	79,5	75,4	74,5	77,9
Radio, television and communication apparatus and professional equipment	1,52	61,4	74,8	89,9	73,3	82,4	75,9
Radio, television and communication apparatus	0,91	61,3	78,3	91,1	70,6	83,1	74,5
Professional equipment	0,61	61,6	69,6	88,1	77,3	81,3	78,0
Motor vehicles, parts and accessories and other transport equipment	7,96	90,5	112,5	127,5	118,6	115,4	115,6
Motor vehicles	3,03	76,6	102,8	111,6	109,5	105,8	108,0
Bodies for motor vehicles, trailers and semi-trailers	0,49	85,4	118,1	118,9	125,5	123,4	133,3
Parts and accessories	3,21	116,4	138,3	160,5	148,0	143,4	136,8
Other transport equipment	1,23	59,3	66,6	84,2	61,6	62,7	72,2
Furniture and other manufacturing	3,03	71,3	87,5	82,8	75,1	87,9	91,1
Furniture	1,06	55,7	67,2	68,4	62,4	75,1	71,1
Other manufacturing groups	1,97	79,6	98,3	90,5	81,9	94,7	101,9
Total	100	82,7	90,8	101,1	93,3	95,4	96,6

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	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21
Food and beverages	-6,1	-0,3	10,3	26,9	21,6	5,9
Meat, fish, fruit, etc.	-0,6	-0,9	-1,5	8,5	5,8	4,5
Dairy products	1,6	-0,5	10,1	6,0	-0,2	-4,0
Grain mill products	-8,3	-5,8	-5,9	-4,3	0,1	-4,0
Other food products	4,9	-1,1	9,3	12,4	10,7	7,4
Beverages	-29,4	4,1	35,0	267,6	158,6	15,3
Textiles, clothing, leather and footwear	2,5	3,9	13,9	364,2	66,0	17,5
Textiles	21,1	14,3	38,8	695,0	101,4	25,2
Other textile products	-8,7	-8,1	-2,6	299,5	107,1	49,7
Knitted, crocheted articles	1,0	-6,8	1,2	909,4	53,8	9,3
Wearing apparel	-9,6	-2,8	-1,6	257,2	12,8	-8,9
Leather and leather products	7,5	-3,2	17,3	95,9	29,8	28,0
Footwear	-7,3	20,5	10,5	2 245,0	242,6	26,4
Wood and wood products, paper, publishing and printing	-2,2	-1,1	0,8	91,9	42,3	22,8
Sawmilling and planing of wood	-8,1	-4,0	10,1	149,8	87,6	43,4
Products of wood	12,4	4,6	7,2	229,9	78,2	17,3
Paper and paper products	-3,4	-0,5	-2,9	19,9	15,3	12,4
Publishing	-14,3	-2,0	1,4	103,7	9,1	18,8
Printing, recorded media	-7,0	-9,3	-10,5	407,4	74,6	59,5
Petroleum, chemical products, rubber and plastic products	-14,2	-8,6	-7,1	37,9	3,4	-10,9
Coke, petroleum products and nuclear fuel	-37,5	-26,2	-25,8	53,8	-15,5	-34,5
Basic chemicals	0,8	3,1	-2,1	17,3	7,1	7,8
Other chemical products	4,2	3,0	5,0	24,2	3,2	-4,2
Rubber products	11,5	-9,6	13,9	275,7	60,7	8,2
Plastic products	-3,4	-3,5	-1,3	48,0	14,8	1,0
Glass and non-metallic mineral products	8,4	7,5	24,5	483,3	102,5	16,9
Glass and glass products	0,6	0,6	22,9	129,9	69,3	6,7
Non-metallic mineral products	12,1	10,0	25,0	985,4	117,5	19,9
Basic iron and steel, non-ferrous metal products, metal products and machinery	-1,5	-4,4	2,7	163,3	43,1	19,2
Basic iron and steel products	-16,4	-24,3	-9,2	337,9	71,2	41,1
Non-ferrous metal products	1,1	0,8	5,6	22,5	11,6	2,2
Structural metal products	-1,9	-7,7	2,1	499,2	65,4	3,1
Other fabricated metal products	13,7	0,0	17,5	291,7	33,7	11,2
General purpose machinery	-4,4	0,1	0,1	189,1	49,6	20,7
Special purpose machinery	4,8	10,8	3,2	105,0	34,8	27,5
Household appliances	-8,9	-7,4	-6,7	217,2	135,1	55,2
Electrical machinery	10,1	2,2	0,3	198,0	31,2	17,1
Radio, television and communication apparatus and professional equipment	-14,7	-11,6	-2,2	221,5	33,5	-4,6
Radio, television and communication apparatus	-19,3	-15,5	-2,9	423,0	37,8	-6,9
Professional equipment	-6,9	-4,1	-1,0	111,8	27,6	-1,1
Motor vehicles, parts and accessories and other transport equipment	27,1	9,6	31,6	4 841,7	217,9	84,1
Motor vehicles	26,8	-2,6	31,8	¹	255,0	93,5
Bodies for motor vehicles, trailers and semi-trailers	9,9	29,1	27,2	872,9	86,4	9,9
Parts and accessories	40,7	23,9	44,3	8 605,9	278,4	104,5
Other transport equipment	-8,8	-12,7	-7,4	926,7	72,3	56,6
Furniture and other manufacturing	-13,6	-17,6	-1,2	486,7	123,7	73,5
Furniture	-5,3	-13,1	-7,7	609,1	252,6	58,7
Other manufacturing groups	-16,4	-19,2	1,7	449,7	93,3	79,7
Total	-4,3	-2,5	5,4	88,1	36,3	12,5

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	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21
Food and beverages	27,14	-1,8	-0,1	3,0	12,2	7,5	1,9
Meat, fish, fruit, etc.	6,75	0,0	-0,1	-0,1	1,1	0,5	0,4
Dairy products	2,27	0,0	0,0	0,3	0,3	0,0	-0,1
Grain mill products	3,55	-0,3	-0,2	-0,2	-0,3	0,0	-0,2
Other food products	8,45	0,5	-0,1	0,8	2,2	1,4	0,9
Beverages	6,12	-2,0	0,3	2,2	9,0	5,5	0,9
Textiles, clothing, leather and footwear	3,08	0,1	0,1	0,3	3,9	1,4	0,4
Textiles	0,77	0,1	0,1	0,3	1,5	0,6	0,2
Other textile products	0,39	0,0	0,0	0,0	0,5	0,2	0,1
Knitted, crocheted articles	0,09	0,0	0,0	0,0	0,1	0,0	0,0
Wearing apparel	1,02	-0,1	0,0	0,0	0,9	0,1	-0,1
Leather and leather products	0,46	0,0	0,0	0,1	0,3	0,1	0,1
Footwear	0,35	0,0	0,1	0,0	0,6	0,3	0,1
Wood and wood products, paper, publishing and printing	11,46	-0,2	-0,1	0,1	9,1	4,2	2,3
Sawmilling and planing of wood	1,74	-0,1	-0,1	0,2	1,7	1,1	0,6
Products of wood	2,61	0,3	0,1	0,2	3,6	1,6	0,4
Paper and paper products	4,13	-0,1	0,0	-0,1	1,2	0,7	0,5
Publishing	1,43	-0,1	0,0	0,0	0,8	0,1	0,2
Printing, recorded media	1,55	-0,1	-0,1	-0,2	1,9	0,8	0,6
Petroleum, chemical products, rubber and plastic products	22,52	-3,5	-1,9	-1,5	9,9	0,8	-2,5
Coke, petroleum products and nuclear fuel	8,34	-3,9	-1,9	-1,9	3,5	-0,9	-2,7
Basic chemicals	4,15	0,0	0,1	-0,1	1,2	0,4	0,3
Other chemical products	6,15	0,2	0,2	0,3	2,2	0,3	-0,3
Rubber products	1,19	0,1	-0,1	0,2	1,4	0,6	0,1
Plastic products	2,69	-0,1	-0,1	0,0	1,7	0,5	0,0
Glass and non-metallic mineral products	3,06	0,2	0,2	0,6	4,7	2,1	0,5
Glass and glass products	0,65	0,0	0,0	0,1	0,7	0,4	0,0
Non-metallic mineral products	2,41	0,2	0,2	0,5	3,9	1,7	0,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,59	-0,3	-0,8	0,5	22,5	8,3	3,5
Basic iron and steel products	3,49	-0,7	-1,0	-0,4	5,4	2,2	1,2
Non-ferrous metal products	2,68	0,0	0,0	0,2	0,9	0,4	0,1
Structural metal products	2,02	0,0	-0,1	0,0	2,7	1,0	0,1
Other fabricated metal products	3,73	0,5	0,0	0,6	5,8	1,4	0,4
General purpose machinery	2,57	-0,1	0,0	0,0	3,3	1,3	0,6
Special purpose machinery	3,35	0,1	0,3	0,1	3,4	1,3	0,9
Household appliances	0,75	-0,1	-0,1	-0,1	0,9	0,6	0,3
Electrical machinery	1,64	0,1	0,0	0,0	1,7	0,4	0,2
Radio, television and communication apparatus and professional equipment	1,52	-0,2	-0,2	0,0	1,5	0,4	-0,1
Radio, television and communication apparatus	0,91	-0,2	-0,1	0,0	1,0	0,3	-0,1
Professional equipment	0,61	0,0	0,0	0,0	0,5	0,2	0,0
Motor vehicles, parts and accessories and other transport equipment	7,96	1,8	0,8	2,5	18,6	9,0	4,9
Motor vehicles	3,03	0,6	-0,1	0,8	6,7	3,3	1,8
Bodies for motor vehicles, trailers and semi-trailers	0,49	0,0	0,1	0,1	1,1	0,4	0,1
Parts and accessories	3,21	1,3	0,9	1,7	9,5	4,8	2,6
Other transport equipment	1,23	-0,1	-0,1	-0,1	1,4	0,5	0,4
Furniture and other manufacturing	3,03	-0,4	-0,6	0,0	3,8	2,1	1,4
Furniture	1,06	0,0	-0,1	-0,1	1,1	0,8	0,3
Other manufacturing groups	1,97	-0,4	-0,5	0,0	2,7	1,3	1,0
Total	100	-4,3	-2,5	5,4	88,1	36,3	12,5

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

Manufacturing division and major group	Weights	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Month-on-month % change
Food and beverages	27,14	110,5	115,8	111,6	111,5	109,0	-2,2
Meat, fish, fruit, etc.	6,75	104,7	103,8	104,6	104,9	105,6	0,7
Dairy products	2,27	112,9	118,8	105,2	111,1	106,5	-4,1
Grain mill products	3,55	95,3	91,7	97,6	97,0	94,4	-2,7
Other food products	8,45	115,1	125,0	122,1	120,3	115,1	-4,3
Beverages	6,12	118,5	129,4	115,1	115,4	113,5	-1,6
Textiles, clothing, leather and footwear	3,08	81,5	85,9	82,6	82,1	80,1	-2,4
Textiles	0,77	100,8	114,3	111,4	112,9	113,0	0,1
Other textile products	0,39	78,8	81,5	78,7	78,3	79,5	1,5
Knitted, crocheted articles	0,09	65,0	65,3	63,7	59,6	58,3	-2,2
Wearing apparel	1,02	71,4	69,0	67,0	66,5	62,3	-6,3
Leather and leather products	0,46	62,7	72,5	63,2	56,9	58,0	1,9
Footwear	0,35	100,4	100,6	99,1	102,9	94,5	-8,2
Wood and wood products, paper, publishing and printing	11,46	89,6	90,3	92,9	90,6	90,0	-0,7
Sawmilling and planing of wood	1,74	89,4	89,1	86,0	88,0	92,1	4,7
Products of wood	2,61	101,5	102,8	101,8	100,3	94,4	-5,9
Paper and paper products	4,13	91,3	91,6	99,9	95,2	96,5	1,4
Publishing	1,43	67,1	67,7	67,2	63,2	63,8	0,9
Printing, recorded media	1,55	85,7	87,9	90,8	90,1	87,3	-3,1
Petroleum, chemical products, rubber and plastic products	22,52	85,3	86,9	84,2	77,2	80,2	3,9
Coke, petroleum products and nuclear fuel	8,34	60,5	63,4	60,3	42,6	52,9	24,2
Basic chemicals	4,15	100,7	100,7	102,1	96,4	99,8	3,5
Other chemical products	6,15	98,3	99,8	96,8	99,2	94,6	-4,6
Rubber products	1,19	98,4	102,2	85,6	89,2	91,0	2,0
Plastic products	2,69	102,6	102,2	101,1	99,0	96,7	-2,3
Glass and non-metallic mineral products	3,06	96,0	99,0	94,8	95,9	89,4	-6,8
Glass and glass products	0,65	113,2	121,7	110,8	119,3	98,6	-17,4
Non-metallic mineral products	2,41	91,3	92,9	90,4	89,5	86,9	-2,9
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,59	93,7	97,4	99,3	100,9	98,6	-2,3
Basic iron and steel products	3,49	82,8	94,6	95,0	96,6	101,0	4,6
Non-ferrous metal products	2,68	98,6	97,5	96,0	96,7	96,0	-0,7
Structural metal products	2,02	80,1	86,8	83,7	88,3	79,8	-9,6
Other fabricated metal products	3,73	96,3	105,4	106,3	105,4	99,7	-5,4
General purpose machinery	2,57	97,2	95,7	100,8	101,0	100,6	-0,4
Special purpose machinery	3,35	104,1	101,1	107,7	111,8	107,3	-4,0
Household appliances	0,75	90,9	88,8	95,7	98,3	96,7	-1,6
Electrical machinery	1,64	77,5	73,8	78,7	75,4	74,9	-0,7
Radio, television and communication apparatus and professional equipment	1,52	80,0	85,6	82,8	86,1	81,3	-5,6
Radio, television and communication apparatus	0,91	81,5	89,6	83,2	87,9	84,0	-4,4
Professional equipment	0,61	77,9	79,8	82,1	83,5	77,3	-7,4
Motor vehicles, parts and accessories and other transport equipment	7,96	111,4	119,4	118,4	111,8	112,7	0,8
Motor vehicles	3,03	100,7	109,7	108,0	100,6	102,9	2,3
Bodies for motor vehicles, trailers and semi-trailers	0,49	120,4	116,3	122,4	121,5	126,6	4,2
Parts and accessories	3,21	136,1	147,2	145,6	137,4	136,6	-0,6
Other transport equipment	1,23	69,8	71,8	71,4	68,7	68,9	0,3
Furniture and other manufacturing	3,03	82,0	92,2	90,3	91,2	93,4	2,4
Furniture	1,06	71,9	76,0	70,1	72,8	71,7	-1,5
Other manufacturing groups	1,97	87,4	100,9	101,1	101,2	105,0	3,8
Total	100	96,2	99,9	98,5	96,5	95,8	-0,7

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

Month	2015	2016	2017	2018	2019	2020	2021 ¹
Jan	133 473	137 588	147 728	154 687	169 331	168 088	168 524
Feb	148 453	160 923	163 040	173 909	184 231	189 141	195 781
Mar	167 441	169 906	182 917	185 238	201 129	190 760	226 386
Apr	147 271	160 631	158 360	165 218	189 590	93 502	202 495
May	158 343	173 256	179 649	191 930	199 608	138 457	211 795
Jun	163 277	177 291	183 043	191 836	199 200	167 697	216 715
Jul	163 881	170 938	174 766	193 760	202 907	179 737	
Aug	161 763	177 283	186 082	201 305	211 321	186 140	
Sep	172 491	184 513	188 393	204 075	204 710	201 162	
Oct	178 929	183 891	197 103	220 644	222 511	220 548	
Nov	179 830	195 991	213 656	225 502	220 858	224 344	
Dec	155 988	163 327	173 384	182 375	176 429	186 801	
Total	1 931 140	2 055 538	2 148 121	2 290 479	2 381 825	2 146 377	

¹ The latest three months are preliminary.

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

Month	2016	2017	2018	2019	2020	2021	2021 year-to-date
Jan	3,1	7,4	4,7	9,5	-0,7	0,3	0,3
Feb	8,4	1,3	6,7	5,9	2,7	3,5	2,0
Mar	1,5	7,7	1,3	8,6	-5,2	18,7	7,8
Apr	9,1	-1,4	4,3	14,8	-50,7	116,6	23,6
May	9,4	3,7	6,8	4,0	-30,6	53,0	28,9
Jun	8,6	3,2	4,8	3,8	-15,8	29,2	28,9
Jul	4,3	2,2	10,9	4,7	-11,4		
Aug	9,6	5,0	8,2	5,0	-11,9		
Sep	7,0	2,1	8,3	0,3	-1,7		
Oct	2,8	7,2	11,9	0,8	-0,9		
Nov	9,0	9,0	5,5	-2,1	1,6		
Dec	4,7	6,2	5,2	-3,3	5,9		
Total	6,4	4,5	6,6	4,0	-9,9		

Table 10 – Seasonally adjusted manufacturing sales at current prices

Month	R million				Month-on-month % change			
	2018	2019	2020	2021	2018	2019	2020	2021
Jan	182 062	198 109	195 481	200 443	-3,0	-0,3	3,3	-0,1
Feb	185 178	196 016	202 167	207 744	1,7	-1,1	3,4	3,6
Mar	184 603	198 640	187 702	220 529	-0,3	1,3	-7,2	6,2
Apr	177 143	203 857	101 625	214 799	-4,0	2,6	-45,9	-2,6
May	189 560	196 349	138 645	214 399	7,0	-3,7	36,4	-0,2
Jun	188 418	200 116	165 026	213 737	-0,6	1,9	19,0	-0,3
Jul	193 411	200 053	175 719		2,6	0,0	6,5	
Aug	193 380	204 848	184 046		0,0	2,4	4,7	
Sep	199 049	197 911	191 681		2,9	-3,4	4,1	
Oct	198 847	200 180	197 869		-0,1	1,1	3,2	
Nov	197 645	195 040	200 368		-0,6	-2,6	1,3	
Dec	198 677	189 163	200 544		0,5	-3,0	0,1	

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

Manufacturing division and major group	Jan-21	Feb-21	Mar-21	¹ Apr-21	¹ May-21	¹ Jun-21
Food and beverages	39 629	50 677	54 891	50 803	51 458	51 425
Meat, fish, fruit, etc.	12 259	13 235	15 194	14 687	14 825	15 715
Dairy products	4 261	3 880	4 742	3 970	3 965	3 926
Grain mill products	7 019	7 250	8 257	7 723	8 114	8 127
Other food products	10 256	9 695	9 821	11 151	11 710	11 799
Beverages	5 834	16 616	16 878	13 272	12 844	11 858
Textiles, clothing, leather and footwear	3 575	4 510	4 910	4 662	4 599	4 578
Textiles	565	705	756	730	741	767
Other textile products	1 034	1 371	1 441	1 375	1 426	1 390
Knitted, crocheted articles	143	174	197	188	190	170
Wearing apparel	878	1 255	1 372	1 248	1 198	1 178
Leather and leather products	500	489	581	569	480	477
Footwear	455	516	562	551	564	595
Wood and wood products, paper, publishing and printing	11 649	13 015	13 979	12 507	13 483	14 462
Sawmilling and planing of wood	775	815	897	876	933	938
Products of wood	1 717	1 838	1 970	1 835	1 892	1 971
Paper and paper products	5 894	6 593	7 300	6 338	7 080	7 791
Publishing	1 024	1 271	1 228	1 043	1 005	1 168
Printing, recorded media	2 240	2 498	2 584	2 415	2 574	2 594
Petroleum, chemical products, rubber and plastic products	33 722	33 724	37 978	36 661	38 060	40 081
Coke, petroleum products and nuclear fuel	8 141	6 333	7 721	7 861	8 531	9 131
Basic chemicals	8 208	8 028	9 371	9 548	9 063	10 040
Other chemical products	11 141	11 880	12 999	11 894	12 480	12 845
Rubber products	1 269	1 665	1 591	1 382	1 547	1 612
Plastic products	4 964	5 818	6 297	5 977	6 438	6 454
Glass and non-metallic mineral products	4 820	5 430	6 232	5 670	6 191	6 191
Glass and glass products	1 086	1 072	1 180	1 031	1 095	1 149
Non-metallic mineral products	3 734	4 358	5 052	4 639	5 096	5 042
Basic iron and steel, non-ferrous metal products, metal products and machinery	40 742	44 587	60 211	49 863	52 388	54 651
Basic iron and steel products	9 238	9 155	12 489	12 059	11 783	13 013
Non-ferrous metal products	15 032	15 356	24 259	17 239	18 174	19 144
Structural metal products	2 296	3 130	3 816	2 980	3 482	3 555
Other fabricated metal products	5 770	6 422	7 500	7 132	7 381	7 196
General purpose machinery	2 976	3 831	4 273	4 028	4 314	4 552
Special purpose machinery	4 319	5 506	6 582	5 231	5 986	5 924
Household appliances	1 111	1 188	1 291	1 193	1 267	1 266
Electrical machinery	3 734	4 835	5 089	4 468	4 702	4 926
Radio, television and communication apparatus and professional equipment	1 459	1 902	2 302	1 829	2 007	1 935
Radio, television and communication apparatus	683	966	1 159	823	932	905
Professional equipment	777	936	1 143	1 006	1 075	1 030
Motor vehicles, parts and accessories and other transport equipment	23 474	29 221	32 527	29 024	31 105	30 550
Motor vehicles	12 023	15 614	16 754	15 145	17 236	17 238
Bodies for motor vehicles, trailers and semi-trailers	807	1 171	1 268	1 229	1 230	1 356
Parts and accessories	8 612	10 138	11 563	10 484	10 425	9 388
Other transport equipment	2 031	2 299	2 942	2 166	2 214	2 568
Furniture and other manufacturing	5 720	7 880	8 267	7 009	7 800	7 917
Furniture	817	1 129	1 138	1 033	1 212	1 164
Other manufacturing groups	4 903	6 751	7 129	5 976	6 588	6 753
Total	168 524	195 781	226 386	202 495	211 795	216 715

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	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21
Food and beverages	-5,4	11,4	16,2	42,5	35,7	12,4
Meat, fish, fruit, etc.	7,2	10,0	10,0	27,4	17,5	17,8
Dairy products	3,6	-1,1	8,5	7,3	0,1	-0,5
Grain mill products	8,4	9,8	10,4	12,1	13,8	9,9
Other food products	13,9	-4,7	0,9	10,0	25,7	23,2
Beverages	-46,3	30,3	42,4	290,0	162,4	3,1
Textiles, clothing, leather and footwear	0,8	0,2	7,6	247,9	63,0	20,1
Textiles	9,3	6,8	23,3	448,9	82,5	24,3
Other textile products	-8,6	-7,7	6,6	306,8	96,4	43,9
Knitted, crocheted articles	5,9	-8,9	5,9	1 153,3	71,2	6,3
Wearing apparel	-8,3	-3,2	-8,0	123,3	13,0	-1,8
Leather and leather products	15,5	4,0	20,3	113,9	30,4	12,0
Footwear	22,3	29,6	28,0	1 800,0	271,1	34,3
Wood and wood products, paper, publishing and printing	3,2	1,5	4,2	80,4	40,7	25,5
Sawmilling and planing of wood	-4,8	-2,3	15,6	156,9	91,6	24,2
Products of wood	13,4	3,6	9,0	188,1	86,2	16,4
Paper and paper products	5,3	4,1	6,8	26,9	21,8	17,5
Publishing	-8,0	1,2	4,2	99,8	18,9	23,9
Printing, recorded media	-0,6	-4,8	-8,3	451,4	81,1	72,8
Petroleum, chemical products, rubber and plastic products	-11,7	-7,8	4,2	59,3	27,3	15,9
Coke, petroleum products and nuclear fuel	-42,1	-39,9	-7,2	118,4	64,7	15,7
Basic chemicals	4,7	3,6	7,1	49,0	19,1	28,2
Other chemical products	8,2	6,0	7,0	29,5	6,6	5,7
Rubber products	3,3	1,6	10,0	316,3	47,9	20,7
Plastic products	4,6	6,7	9,0	71,0	47,8	20,3
Glass and non-metallic mineral products	12,7	8,9	26,0	843,4	93,7	31,8
Glass and glass products	11,6	11,1	37,4	292,0	78,9	51,8
Non-metallic mineral products	13,0	8,3	23,6	1 272,5	97,3	28,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	14,0	2,9	34,9	176,4	53,0	41,8
Basic iron and steel products	13,4	-1,2	32,5	267,5	60,9	52,1
Non-ferrous metal products	23,3	3,1	67,7	104,6	49,9	52,1
Structural metal products	3,6	-3,2	22,5	387,7	83,8	24,6
Other fabricated metal products	18,6	9,6	22,3	320,8	53,5	28,5
General purpose machinery	0,7	2,9	6,3	196,6	41,4	28,4
Special purpose machinery	4,4	7,2	7,5	124,4	34,7	30,5
Household appliances	-10,3	-1,4	-4,2	249,9	116,2	47,0
Electrical machinery	6,5	8,3	11,6	140,5	35,3	23,6
Radio, television and communication apparatus and professional equipment	-5,9	-2,3	4,9	215,3	34,7	3,0
Radio, television and communication apparatus	-9,8	-5,0	1,8	414,4	27,8	3,4
Professional equipment	-2,3	0,9	8,2	139,5	41,3	2,6
Motor vehicles, parts and accessories and other transport equipment	4,8	6,5	27,4	593,4	155,1	63,7
Motor vehicles	-11,0	-2,0	17,8	342,4	146,7	59,4
Bodies for motor vehicles, trailers and semi-trailers	-1,1	11,7	18,2	1 048,6	114,3	26,1
Parts and accessories	45,4	28,2	60,3	2 184,1	203,7	78,7
Other transport equipment	-5,6	-9,3	-2,6	999,5	84,8	68,8
Furniture and other manufacturing	0,1	3,5	14,4	442,9	114,1	85,5
Furniture	-8,6	-11,2	-5,2	665,2	237,6	64,4
Other manufacturing groups	1,7	6,4	18,3	417,0	100,5	89,7
Total	0,3	3,5	18,7	116,6	53,0	29,2

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	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21
Food and beverages	-1,3	2,7	4,0	16,2	9,8	3,4
Meat, fish, fruit, etc.	0,5	0,6	0,7	3,4	1,6	1,4
Dairy products	0,1	0,0	0,2	0,3	0,0	0,0
Grain mill products	0,3	0,3	0,4	0,9	0,7	0,4
Other food products	0,7	-0,3	0,0	1,1	1,7	1,3
Beverages	-3,0	2,0	2,6	10,6	5,7	0,2
Textiles, clothing, leather and footwear	0,0	0,0	0,2	3,6	1,3	0,5
Textiles	0,0	0,0	0,1	0,6	0,2	0,1
Other textile products	-0,1	-0,1	0,0	1,1	0,5	0,3
Knitted, crocheted articles	0,0	0,0	0,0	0,2	0,1	0,0
Wearing apparel	0,0	0,0	-0,1	0,7	0,1	0,0
Leather and leather products	0,0	0,0	0,1	0,3	0,1	0,0
Footwear	0,0	0,1	0,1	0,6	0,3	0,1
Wood and wood products, paper, publishing and printing	0,2	0,1	0,3	6,0	2,8	1,8
Sawmilling and planing of wood	0,0	0,0	0,1	0,6	0,3	0,1
Products of wood	0,1	0,0	0,1	1,3	0,6	0,2
Paper and paper products	0,2	0,1	0,2	1,4	0,9	0,7
Publishing	-0,1	0,0	0,0	0,6	0,1	0,1
Printing, recorded media	0,0	-0,1	-0,1	2,1	0,8	0,7
Petroleum, chemical products, rubber and plastic products	-2,7	-1,5	0,8	14,6	5,9	3,3
Coke, petroleum products and nuclear fuel	-3,5	-2,2	-0,3	4,6	2,4	0,7
Basic chemicals	0,2	0,1	0,3	3,4	1,0	1,3
Other chemical products	0,5	0,4	0,4	2,9	0,6	0,4
Rubber products	0,0	0,0	0,1	1,1	0,4	0,2
Plastic products	0,1	0,2	0,3	2,7	1,5	0,6
Glass and non-metallic mineral products	0,3	0,2	0,7	5,4	2,2	0,9
Glass and glass products	0,1	0,1	0,2	0,8	0,3	0,2
Non-metallic mineral products	0,3	0,2	0,5	4,6	1,8	0,7
Basic iron and steel, non-ferrous metal products, metal products and machinery	3,0	0,7	8,2	34,0	13,1	9,6
Basic iron and steel products	0,6	-0,1	1,6	9,4	3,2	2,7
Non-ferrous metal products	1,7	0,2	5,1	9,4	4,4	3,9
Structural metal products	0,0	-0,1	0,4	2,5	1,1	0,4
Other fabricated metal products	0,5	0,3	0,7	5,8	1,9	1,0
General purpose machinery	0,0	0,1	0,1	2,9	0,9	0,6
Special purpose machinery	0,1	0,2	0,2	3,1	1,1	0,8
Household appliances	-0,1	0,0	0,0	0,9	0,5	0,2
Electrical machinery	0,1	0,2	0,3	2,8	0,9	0,6
Radio, television and communication apparatus and professional equipment	-0,1	0,0	0,1	1,3	0,4	0,0
Radio, television and communication apparatus	0,0	0,0	0,0	0,7	0,1	0,0
Professional equipment	0,0	0,0	0,0	0,6	0,2	0,0
Motor vehicles, parts and accessories and other transport equipment	0,6	0,9	3,7	26,6	13,7	7,1
Motor vehicles	-0,9	-0,2	1,3	12,5	7,4	3,8
Bodies for motor vehicles, trailers and semi-trailers	0,0	0,1	0,1	1,2	0,5	0,2
Parts and accessories	1,6	1,2	2,3	10,7	5,1	2,5
Other transport equipment	-0,1	-0,1	0,0	2,1	0,7	0,6
Furniture and other manufacturing	0,0	0,1	0,5	6,1	3,0	2,2
Furniture	0,0	-0,1	0,0	1,0	0,6	0,3
Other manufacturing groups	0,0	0,2	0,6	5,2	2,4	1,9
Total	0,3	3,5	18,7	116,6	53,0	29,2

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

Manufacturing division and major group	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Month-on-month % change
Food and beverages	55 972	54 241	53 587	54 289	53 078	-2,2
Meat, fish, fruit, etc.	14 733	14 740	15 375	15 336	15 557	1,4
Dairy products	4 314	4 566	4 141	4 138	4 214	1,8
Grain mill products	8 012	7 825	8 079	8 146	8 006	-1,7
Other food products	10 970	10 866	10 910	11 900	11 685	-1,8
Beverages	17 943	16 243	15 082	14 769	13 616	-7,8
Textiles, clothing, leather and footwear	4 868	4 930	4 780	4 718	4 689	-0,6
Textiles	730	737	744	743	747	0,5
Other textile products	1 399	1 454	1 367	1 392	1 391	-0,1
Knitted, crocheted articles	176	183	176	176	167	-5,1
Wearing apparel	1 421	1 373	1 315	1 277	1 286	0,7
Leather and leather products	517	564	546	485	475	-2,1
Footwear	626	619	632	645	623	-3,4
Wood and wood products, paper, publishing and printing	13 801	14 009	14 388	14 069	14 166	0,7
Sawmilling and planing of wood	883	902	914	882	894	1,4
Products of wood	1 956	1 982	1 942	1 937	1 773	-8,5
Paper and paper products	6 943	7 074	7 407	7 251	7 398	2,0
Publishing	1 318	1 315	1 282	1 142	1 244	8,9
Printing, recorded media	2 702	2 737	2 844	2 856	2 856	0,0
Petroleum, chemical products, rubber and plastic products	37 353	38 035	39 236	38 590	39 148	1,4
Coke, petroleum products and nuclear fuel	8 014	8 357	8 262	8 239	8 455	2,6
Basic chemicals	8 861	9 223	10 160	9 117	9 790	7,4
Other chemical products	12 727	12 682	12 857	12 997	12 823	-1,3
Rubber products	1 594	1 496	1 526	1 521	1 545	1,6
Plastic products	6 158	6 276	6 431	6 716	6 535	-2,7
Glass and non-metallic mineral products	6 092	6 156	6 092	6 118	6 000	-1,9
Glass and glass products	1 219	1 297	1 202	1 187	1 223	3,0
Non-metallic mineral products	4 873	4 859	4 890	4 931	4 778	-3,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	45 957	57 457	52 005	51 553	52 254	1,4
Basic iron and steel products	9 319	11 431	12 267	11 042	11 695	5,9
Non-ferrous metal products	16 149	24 557	17 781	18 239	18 819	3,2
Structural metal products	3 069	3 699	3 285	3 451	3 306	-4,2
Other fabricated metal products	6 617	7 148	7 373	7 291	7 089	-2,8
General purpose machinery	4 028	4 091	4 192	4 148	4 229	2,0
Special purpose machinery	5 571	5 373	5 864	6 139	5 893	-4,0
Household appliances	1 204	1 159	1 242	1 242	1 223	-1,5
Electrical machinery	4 784	4 650	4 867	4 649	4 773	2,7
Radio, television and communication apparatus and professional equipment	2 018	2 146	2 048	2 058	2 031	-1,3
Radio, television and communication apparatus	1 006	1 085	999	976	1 004	2,9
Professional equipment	1 011	1 061	1 048	1 082	1 027	-5,1
Motor vehicles, parts and accessories and other transport equipment	29 139	30 720	30 215	30 465	29 729	-2,4
Motor vehicles	15 746	16 518	16 021	16 553	16 464	-0,5
Bodies for motor vehicles, trailers and semi-trailers	1 234	1 200	1 208	1 211	1 256	3,7
Parts and accessories	9 756	10 526	10 517	10 228	9 659	-5,6
Other transport equipment	2 405	2 476	2 469	2 473	2 350	-5,0
Furniture and other manufacturing	7 761	8 185	7 582	7 891	7 870	-0,3
Furniture	1 200	1 234	1 143	1 218	1 161	-4,7
Other manufacturing groups	6 560	6 951	6 439	6 672	6 709	0,6
Total	207 744	220 529	214 799	214 399	213 737	-0,3

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 71,8% for June 2021. The improved collection rates were 74,7% for May 2021 and 75,6% for April 2021.
Statistical unit	10	The statistical unit for which information is compiled and published is an enterprise, defined as a legal unit or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.
Revised figures	11	Revised figures are mainly due to late submission of data to Stats SA, or respondents reporting revisions or corrections to their figures. Preliminary figures, as indicated in the relevant tables, are subject to change and when revised will not be indicated as such.
Related publications	12	Users may also wish to refer to <i>Stats in Brief</i> available from Stats SA.

- Rounding-off of figures** 13 Where necessary, the figures in the tables have been rounded off to the nearest digit shown. There may, therefore, be slight discrepancies between the sums of the constituent items and the totals shown.
- Historical data** 14 Historical manufacturing data are available on the Stats SA webpage. Click on the following link ([Time series data](#)) to access the data electronically.
- Past publications** 15 Past manufacturing releases are available on the Stats SA webpage. Click on the following link ([Past publications](#)) to access the releases electronically.

Technical notes

- Survey methodology and design** 1 The survey is conducted monthly. Questionnaires are sent to a sample of 3 081 enterprises from a population of 49 776 manufacturing enterprises. Completed questionnaires are required to be returned to Stats SA within 10 days after the end of the reference month. Fax and telephone reminders are used to follow up on non-respondents.
- 2 A stratified random sample was drawn at the Standard Industrial Classification (SIC) three-digit level in April 2019 from Stats SA's business sampling frame (BSF). Strata were formed using a combination of the SIC and the measure of size classes for enterprises (see point 3 below).

The Neyman optimal allocation formula used to allocate samples to each stratum is given by a formula below:

$$n_h = \frac{N_h S_h}{\sum N_h S_h}$$

N_h and S_h are the stratum population size and the stratum variance respectively.

- Class limits** 3 Each manufacturing major group is divided into four size groups. All large enterprises (size group one) are completely enumerated. Simple random sampling is applied to medium (size group two) and to small (size group three and four) enterprises. The total value of sales of manufactured products of large enterprises (size group one) in a major group is added to the weighted totals of size group two, three and four of that major group to reflect the total value of sales of the major group.

Measure of size classes (Rand)

Enterprise size	Size group	Lower limits	Upper limits
Very small	4	1 961 626	15 000 000
Small	3	15 000 001	39 000 000
Medium	2	39 000 001	153 000 000
Large	1	153 000 001	

- Sample weighting** 4 For those strata not completely enumerated, the weights to produce estimates are the inverse ratio of the sampling fraction, modified to take account of non-response in the survey. Stratum estimates are calculated and then aggregated with the completely enumerated stratum to form major group and division estimates. These procedures are consistent with international best practice.
- Index of the volume of manufacturing production** 5 The index of the volume of manufacturing production, also known as a production index, is a statistical measure of the change in the volume of production. The production index of a major group is the ratio between the volume of production of a major group in a given period and the volume of production of the same major group in the base period. The current base period is 2015. The production in the base period is set at 100.

Calculation of production index

- 6** The calculation of the monthly production indices is based on the value of sales of products and articles manufactured and change in monthly value of stocks of manufactured products, after the effect of price changes has been eliminated through deflation using appropriate indices of the production price index (PPI). For 38 of the 44 major groups in manufacturing, the value of production is calculated from the value of sales and stocks of manufactured products obtained from the monthly survey of manufacturing enterprises.
- 7** More direct indicators are used for the value of production of the following major groups:
- tobacco;
 - coke and refined petroleum products;
 - basic iron and steel products;
 - basic precious and non-ferrous metal products;
 - motor vehicles; and
 - parts and accessories for motor vehicles.

The volume indices for these major groups are calculated on the basis of quantities. This method is used by the national statistical agencies of many other countries for petroleum products as the results are considered more satisfactory (mainly because these commodities are relatively homogeneous).

Index weighting

- 8** For indices, a weight is calculated for every major group according to the value added of the major group (i.e. output of a major group minus intermediate consumption) relative to the total value added of the manufacturing industry as a whole, based on the results of the most recent census of manufacturing, large sample survey (LSS) of the manufacturing industry or national accounts (NA) value added data. The production indices of all divisions are multiplied by the applicable weights and aggregated to produce the index for the total volume of manufacturing production. Weights between census/LSS/NA years are fixed. The table below reflects the period and the census/LSS/NA which were used as base year for the given period.

Period	Source
1998 to 2000	1996 Census of manufacturing
2001 to 2004	2001 LSS
2005 to 2009	2005 LSS
2010 to 2021	National accounts

- 9** The weights reflect the importance of the major group/division to the total manufacturing industry. The weights change over time due to changes in the relative performance of industries, due to factors such as quality changes, changes in relative prices, and changes in customer preferences. New weights are calculated and implemented annually.

Table E – Weights by division and major group

Manufacturing division and major group	Weights used for manufacturing indices by period		
	2016 (based on value added for 2014 – 2016)	2017 (based on value added for 2015 – 2017)	2018 – 2021 (based on value added for 2016 – 2018)
Food and beverages	25,78	26,64	27,14
Meat, fish, fruit, etc.	6,59	6,69	6,75
Dairy products	2,00	2,15	2,27
Grain mill products	3,12	3,37	3,55
Other food products	7,74	8,14	8,45
Beverages	6,33	6,29	6,12
Textiles, clothing, leather and footwear	3,21	3,12	3,08
Textiles	0,80	0,78	0,77
Other textile products	0,41	0,40	0,39
Knitted, crocheted articles	0,09	0,09	0,09
Wearing apparel	1,08	1,04	1,02
Leather and leather products	0,48	0,46	0,46
Footwear	0,35	0,35	0,35
Wood and wood products, paper, publishing and printing	11,28	11,45	11,46
Sawmilling and planing of wood	1,69	1,73	1,74
Products of wood	2,42	2,57	2,61
Paper and paper products	4,09	4,14	4,13
Publishing	1,45	1,43	1,43
Printing, recorded media	1,63	1,58	1,55
Petroleum, chemical products, rubber and plastic products	23,82	23,07	22,52
Coke, petroleum products and nuclear fuel	9,18	8,67	8,34
Basic chemicals	4,41	4,29	4,15
Other chemical products	6,15	6,19	6,15
Rubber products	1,30	1,24	1,19
Plastic products	2,78	2,68	2,69
Glass and non-metallic mineral products	3,53	3,18	3,06
Glass and glass products	0,69	0,66	0,65
Non-metallic mineral products	2,84	2,52	2,41
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,74	18,69	18,59
Basic iron and steel products	3,52	3,57	3,49
Non-ferrous metal products (including precious metals)	2,60	2,58	2,68
Structural metal products	1,92	1,99	2,02
Other fabricated metal products	3,84	3,79	3,73
General purpose machinery	2,57	2,58	2,57
Special purpose machinery	3,50	3,41	3,35
Household appliances	0,79	0,77	0,75
Electrical machinery	1,63	1,64	1,64
Radio, television and communication apparatus and professional equipment	1,59	1,54	1,52
Radio, television and communication apparatus	0,92	0,90	0,91
Professional equipment	0,67	0,64	0,61
Motor vehicles, parts and accessories and other transport equipment	7,20	7,56	7,96
Motor vehicles	2,60	2,82	3,03
Bodies for motor vehicles, trailers and semi-trailers	0,48	0,47	0,49
Parts and accessories	2,89	3,04	3,21
Other transport equipment	1,23	1,23	1,23
Furniture and other manufacturing	3,22	3,11	3,03
Furniture	1,08	1,07	1,06
Other manufacturing groups	2,14	2,04	1,97
Total	100	100	100

Seasonal adjustment	10	Seasonally adjusted estimates of all major groups are generated each month, using the X-12 Seasonal Adjustment Program developed by the US Bureau of the Census, 1968. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effects of other influences on the series can be more clearly recognised. Seasonal adjustment does not aim to remove irregular or non-seasonal influences, which may be present in any particular month. Influences that are volatile or unsystematic can still make it difficult to interpret the movement of the series even after adjustment for seasonal variations. Therefore the month-to-month movements of seasonally adjusted estimates may not be reliable indicators of trend behaviour. The X-12-ARIMA procedure for manufacturing production and sales is described in more detail on the Stats SA website: Click to Download Seasonal adjustment Manufacturing June 2017 Note: Owing to the impact of the COVID-19 lockdown, additive outlier and transitory change adjustments were applied to April 2020. Transitory (temporary) change describes a temporary effect on the level of a series after a certain point in time. The methodology will be reviewed as more data points are added to the time series.
Trend cycle	11	The trend is the long-term pattern or movement of a time series. The X-12 Seasonal Adjustment Programme is used for smoothing seasonally adjusted estimates to estimates of the underlying trend.
Reliability of estimates	12	Data presented in this publication are based on information obtained from a sample and are, therefore, subject to sampling variability; that is, they may differ from the figures that would have been produced if the data had been obtained from all enterprises in the manufacturing industry in South Africa. Estimates are subject to sampling and non-sampling errors.
	13	Inaccuracies may occur because of imperfections in reporting by enterprises and errors made in the collection and processing of the data. Inaccuracies of this kind are referred to as non-sampling errors. Every effort is made to minimise non-sampling errors by careful design of questionnaires, testing them in pilot studies, editing reported data and implementing efficient operating procedures. Fluctuations may occur in consecutive months as a result of seasonal and economic factors.
Month-on-month percentage change	14	The month-on-month percentage change in a variable for any given month is the change between that month and the previous month, expressed as a percentage of the latter.
Year-on-year (annual) percentage change	15	The year-on-year percentage change in a variable for any given period is the change between that period and the corresponding period of the previous year, expressed as a percentage of the latter.
Index contribution (percentage points)	16	The contribution (percentage points) of a major group or division to the total manufacturing production percentage change for a given period is calculated by multiplying the difference in the index of each major group or division by the weight of the major group or division and then dividing by the previous period total manufacturing index.
Sales contribution (percentage points)	17	The contribution (percentage points) of a division or major group to the percentage change in total manufacturing sales for a given period is calculated by multiplying the percentage change of each major group or division with its percentage contribution to the total sales of the previous period, divided by 100.

Glossary

Enterprise	The enterprise is a legal entity or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities.	
Industry	An industry is made up of enterprises engaged in the same or similar kinds of economic activity. Industries are defined in the <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

Technical enquiries

Nicolai Claassen Telephone number: 072 310 5351
 Email: nicolaic@statssa.gov.za

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General enquiries

User information services	Telephone number: (012) 310 8600 Email address: info@statssa.gov.za
Orders/subscription services	Telephone number: (012) 310 8619 Email address: millies@statssa.gov.za
Postal address	Private Bag X44, Pretoria, 0001

Produced by Stats SA