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Manufacturing: Production and sales (Preliminary)

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Production: results for April 2023

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

	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23
Year-on-year % change, unadjusted	-2,1	-4,6	-4,1	-5,5	-1,8	3,4
Month-on-month % change, seasonally adjusted	1,6	0,3	0,5	-1,6	3,4	0,5
3-month % change, seasonally adjusted ¹	2,2	-1,7	-0,9	-1,1	1,3	1,2

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

Manufacturing production increased by 3,4% in April 2023 compared with April 2022. The largest contributions were made by the following divisions:

- basic iron and steel, non-ferrous metal products, metal products and machinery (5,3% and contributing 1,1 percentage points);
- food and beverages (4,6% and contributing 1,0 percentage point);
- petroleum, chemical products, rubber and plastic products (2,8% and contributing 0,6 of a percentage point); and
- motor vehicles, parts and accessories and other transport equipment (5,0% and contributing 0,5 of a percentage point) – see Tables 5 and 6.

Seasonally adjusted manufacturing production increased by 0,5% in April 2023 compared with March 2023. This followed month-on-month changes of 3,4% in March 2023 and -1,6% in February 2023 – see Table A.

Seasonally adjusted manufacturing production increased by 1,2% in the three months ended April 2023 compared with the previous three months. Four of the ten manufacturing divisions reported positive growth rates over this period.

The largest contribution was made by the petroleum, chemical products, rubber and plastic products division (7,9% and contributing 1,6 percentage points) – see Table B.

Table B – Seasonally adjusted manufacturing production for the latest three months by division and major group (Base: 2019=100)

Manufacturing division and major group	Weight	Nov 2022 – Jan 2023	Feb – Apr 2023	% change between Nov 2022 – Jan 2023 and Feb – Apr 2023	Contribution (% points) to the total % change
Food and beverages	20,75	100,9	103,2	2,3	0,5
Meat, fish, fruit, etc.	3,27	108,2	106,8	-1,3	0,0
Dairy products	1,39	99,5	102,0	2,5	0,0
Grain mill products	1,68	96,5	104,6	8,4	0,1
Other food products	7,75	94,5	97,0	2,6	0,2
Beverages	6,66	106,2	108,3	2,0	0,2
Textiles, clothing, leather and footwear	4,26	94,1	89,9	-4,5	-0,2
Textiles	1,08	105,2	96,2	-8,6	-0,1
Other textile products	0,61	94,5	92,5	-2,1	0,0
Knitted, crocheted articles	0,06	87,3	80,0	-8,4	0,0
Wearing apparel	1,98	87,8	85,9	-2,2	0,0
Leather and leather products	0,27	88,9	79,9	-10,1	0,0
Footwear	0,25	102,5	101,8	-0,7	0,0
Wood and wood products, paper, publishing and printing	10,63	91,9	88,8	-3,4	-0,4
Sawmilling and planing of wood	0,87	96,7	92,4	-4,4	0,0
Products of wood	0,88	107,2	105,7	-1,4	0,0
Paper and paper products	5,34	94,1	89,3	-5,1	-0,3
Publishing	2,18	77,4	77,4	0,0	0,0
Printing, recorded media	1,35	93,6	92,0	-1,7	0,0
Petroleum, chemical products, rubber and plastic products	24,95	74,4	80,3	7,9	1,6
Coke, petroleum products and nuclear fuel	11,85	50,7	62,6	23,5	1,5
Basic chemicals	3,50	97,8	103,9	6,2	0,2
Other chemical products	6,64	92,9	90,9	-2,2	-0,1
Rubber products	0,76	95,6	99,3	3,9	0,0
Plastic products	2,20	101,7	100,0	-1,7	0,0
Glass and non-metallic mineral products	3,24	106,7	96,2	-9,8	-0,4
Glass and glass products	0,49	105,5	105,2	-0,3	0,0
Non-metallic mineral products	2,75	106,9	94,5	-11,6	-0,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,73	95,1	96,7	1,7	0,3
Basic iron and steel products	2,92	81,3	85,6	5,3	0,1
Non-ferrous metal products	3,32	89,6	85,3	-4,8	-0,2
Structural metal products	1,99	101,3	103,5	2,2	0,0
Other fabricated metal products	3,53	95,8	98,2	2,5	0,1
General purpose machinery	3,42	105,4	112,2	6,5	0,3
Special purpose machinery	3,85	97,3	95,5	-1,8	-0,1
Household appliances	0,70	96,4	99,8	3,5	0,0
Electrical machinery	2,21	99,8	102,8	3,0	0,1
Radio, television and communication apparatus and professional equipment	1,07	102,5	102,0	-0,5	0,0
Radio, television and communication apparatus	0,04	91,3	94,7	3,7	0,0
Professional equipment	1,03	103,0	102,3	-0,7	0,0
Motor vehicles, parts and accessories and other transport equipment	8,89	104,7	101,2	-3,3	-0,3
Motor vehicles	2,78	99,3	95,5	-3,8	-0,1
Bodies for motor vehicles, trailers and semi-trailers	0,73	107,8	108,4	0,6	0,0
Parts and accessories	3,97	109,0	105,4	-3,3	-0,2
Other transport equipment	1,40	101,7	96,5	-5,1	-0,1
Furniture and other manufacturing	4,27	88,1	87,9	-0,2	0,0
Furniture	0,78	96,1	94,8	-1,4	0,0
Other manufacturing groups	3,49	86,4	86,4	0,0	0,0
Total	100	91,9	93,0	1,2	1,2

Figure 1 – Volume of manufacturing production (Base: 2019=100)

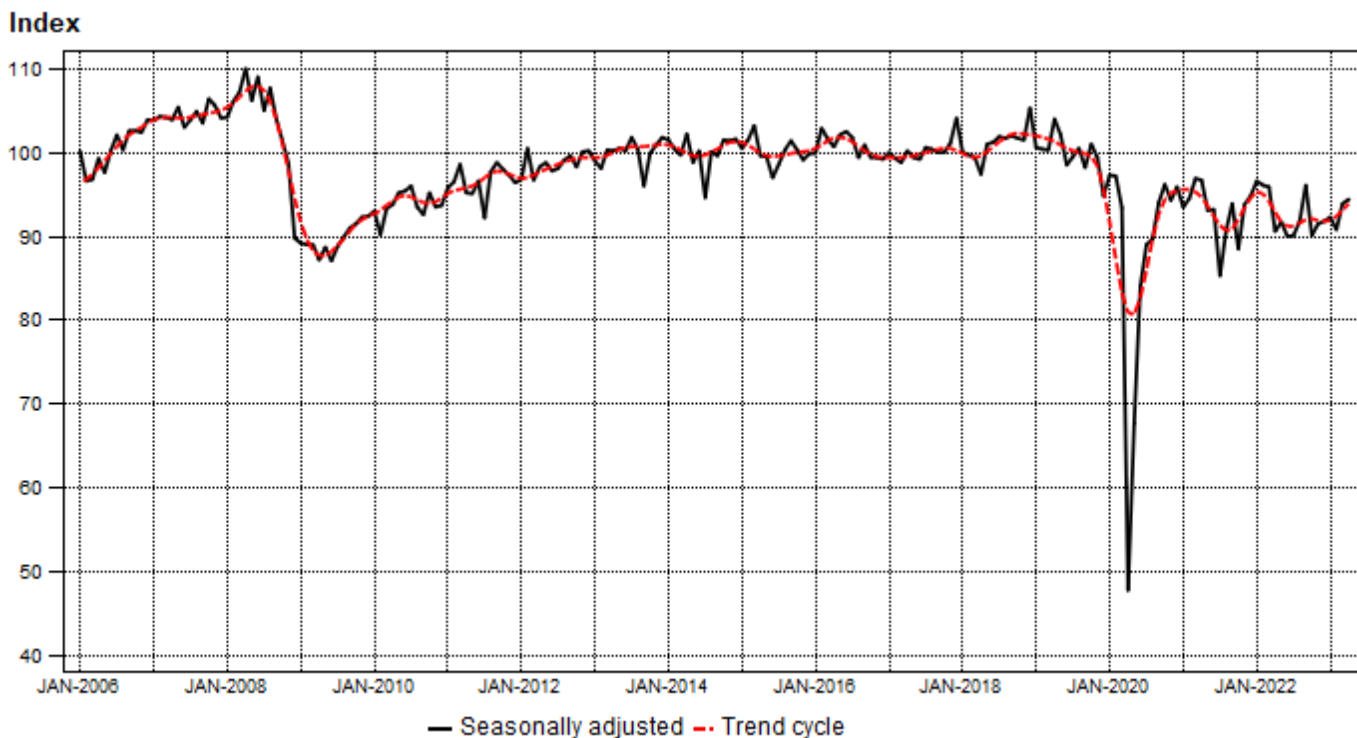
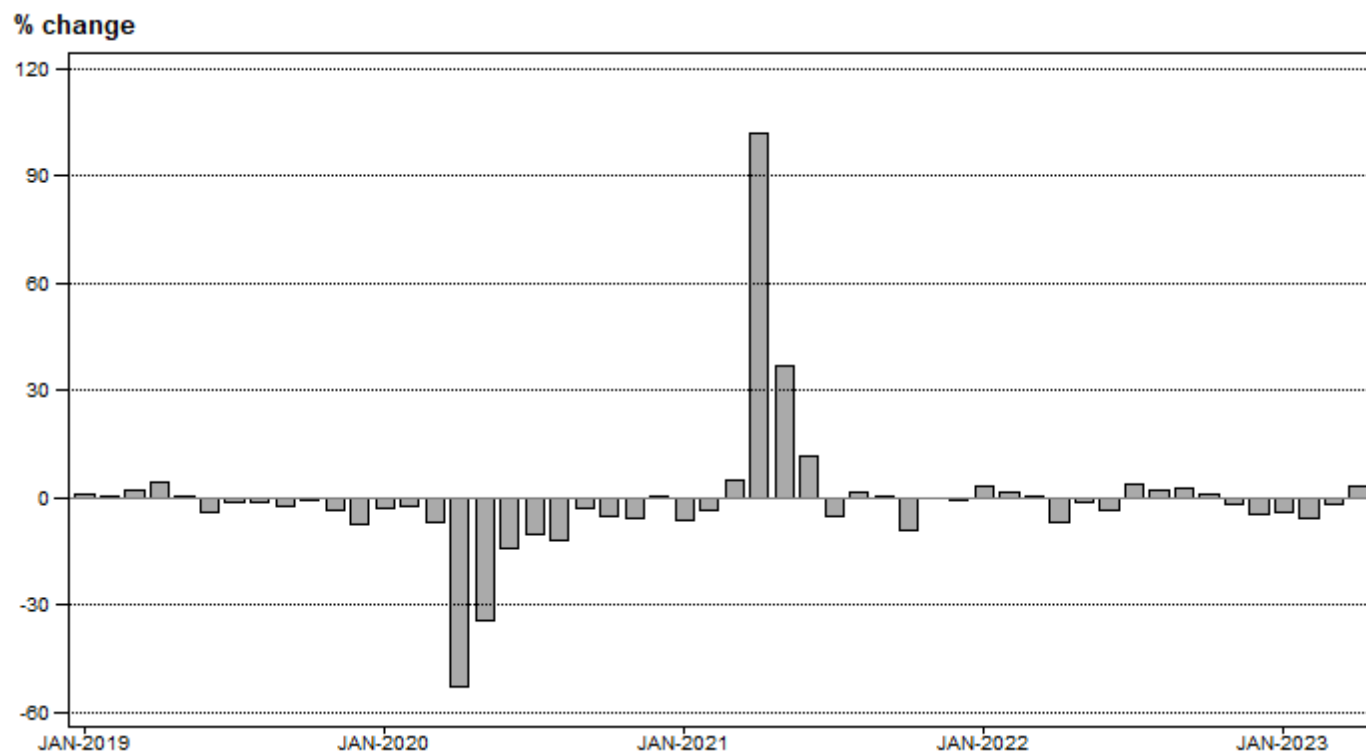


Figure 2 – Volume of manufacturing production (Base: 2019=100): year-on-year percentage change



Sales: results for April 2023**Table C – Key growth rates in manufacturing sales at current prices**

	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23
Year-on-year % change, unadjusted	11,2	9,0	9,8	8,6	11,9	12,6
Month-on-month % change, seasonally adjusted	3,0	2,0	0,1	1,9	3,7	-0,3
3-month % change, seasonally adjusted ¹	2,7	1,0	2,5	3,1	5,0	5,0

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 April 2023 compared with March 2023. This followed month-on-month changes of 3,7% in March 2023 and 1,9% in February 2023 – see Table C.

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

Manufacturing division	Nov 2022 – Jan 2023 (R million)	Feb – Apr 2023 (R million)	% change between Nov 2022 – Jan 2023 and Feb – Apr 2023	Contribution (% points) to the total % change
Food and beverages	185 619	197 524	6,4	1,5
Textiles, clothing, leather and footwear	17 421	17 762	2,0	0,0
Wood and wood products, paper, publishing and printing	48 786	50 100	2,7	0,2
Petroleum, chemical products, rubber and plastic products	154 159	174 974	13,5	2,7
Glass and non-metallic mineral products	25 276	24 566	-2,8	-0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	165 237	169 159	2,4	0,5
Electrical machinery	17 957	19 236	7,1	0,2
Radio, television and communication apparatus and professional equipment	7 480	7 908	5,7	0,1
Motor vehicles, parts and accessories and other transport equipment	127 150	126 004	-0,9	-0,1
Furniture and other manufacturing	28 300	29 296	3,5	0,1
Total	777 387	816 530	5,0	5,0

Seasonally adjusted manufacturing sales increased by 5,0% in the three months ended April 2023 compared with the previous three months. The largest contributions were made by the follow divisions:

- petroleum, chemical products, rubber and plastic products (13,5% and contributing 2,7 percentage points); and
- food and beverages (6,4% and contributing 1,5 percentage points) – see Table D.

Risenga Maluleke
Statistician-General

Tables

Table 1 – Index of the volume of manufacturing production (Base: 2019=100)

Month	2017	2018	2019	2020	2021	2022	2023 ¹
Jan	85,7	87,1	88,0	85,6	80,3	82,8	79,4
Feb	94,3	94,5	94,9	92,4	89,3	90,9	85,9
Mar	101,5	98,9	101,2	94,4	98,9	99,1	97,3
Apr	90,5	91,9	95,8	45,0	91,0	84,5	87,4
May	100,1	101,8	102,0	67,0	91,9	90,9	
Jun	101,5	101,9	97,8	83,8	93,7	90,2	
Jul	100,6	103,2	101,8	91,3	86,7	90,2	
Aug	105,0	106,6	105,2	92,8	94,3	96,2	
Sep	105,4	104,9	102,6	99,3	99,8	102,5	
Oct	109,8	113,4	112,7	106,8	97,3	98,2	
Nov	114,0	115,3	111,0	104,7	104,7	102,5	
Dec	93,2	93,7	86,8	87,3	86,7	82,7	
Total	100,1	101,1	100,0	87,5	92,9	92,6	

¹ The latest three months are preliminary.

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

Month	2018	2019	2020	2021	2022	2023	2023 year-to-date
Jan	1,6	1,0	-2,7	-6,2	3,1	-4,1	-4,1
Feb	0,2	0,4	-2,6	-3,4	1,8	-5,5	-4,8
Mar	-2,6	2,3	-6,7	4,8	0,2	-1,8	-3,7
Apr	1,5	4,2	-53,0	102,2	-7,1	3,4	-2,0
May	1,7	0,2	-34,3	37,2	-1,1		
Jun	0,4	-4,0	-14,3	11,8	-3,7		
Jul	2,6	-1,4	-10,3	-5,0	4,0		
Aug	1,5	-1,3	-11,8	1,6	2,0		
Sep	-0,5	-2,2	-3,2	0,5	2,7		
Oct	3,3	-0,6	-5,2	-8,9	0,9		
Nov	1,1	-3,7	-5,7	0,0	-2,1		
Dec	0,5	-7,4	0,6	-0,7	-4,6		
Total	1,0	-1,1	-12,5	6,2	-0,3		

Table 3 – Seasonally adjusted volume of manufacturing production

Month	Index (Base: 2019=100)				Month-on-month % change			
	2020	2021	2022	2023	2020	2021	2022	2023
Jan	97,3	93,5	96,6	92,3	2,6	-2,5	1,9	0,5
Feb	97,2	94,5	96,1	90,8	-0,1	1,1	-0,5	-1,6
Mar	93,4	96,9	95,9	93,9	-3,9	2,5	-0,2	3,4
Apr	47,8	96,7	90,6	94,4	-48,8	-0,2	-5,5	0,5
May	67,7	93,1	91,7		41,6	-3,7	1,2	
Jun	84,0	93,2	90,0		24,1	0,1	-1,9	
Jul	89,0	85,3	90,1		6,0	-8,5	0,1	
Aug	89,7	90,7	91,8		0,8	6,3	1,9	
Sep	94,0	93,9	96,1		4,8	3,5	4,7	
Oct	96,2	88,5	90,1		2,3	-5,8	-6,2	
Nov	94,3	93,8	91,5		-2,0	6,0	1,6	
Dec	95,9	94,8	91,8		1,7	1,1	0,3	

Table 4 – Index of the volume of manufacturing production by division and major group (Base: 2019=100)

Manufacturing division and major group	Weight	Nov-22	Dec-22	Jan-23	¹ Feb-23	¹ Mar-23	¹ Apr-23
Food and beverages	20,75	108,0	105,8	93,2	89,8	104,8	95,5
Meat, fish, fruit, etc.	3,27	118,1	111,4	101,4	100,7	115,9	96,2
Dairy products	1,39	110,6	104,6	101,2	87,0	106,0	97,3
Grain mill products	1,68	106,5	90,2	92,1	100,5	107,9	93,1
Other food products	7,75	98,9	87,1	77,2	78,3	91,4	94,3
Beverages	6,66	113,5	129,1	106,4	95,6	113,8	96,9
Textiles, clothing, leather and footwear	4,26	112,1	77,9	66,3	86,4	93,5	85,7
Textiles	1,08	118,5	72,4	75,5	93,2	110,8	92,6
Other textile products	0,61	113,0	82,0	65,3	101,1	92,9	85,6
Knitted, crocheted articles	0,06	102,6	69,2	57,2	70,8	84,5	76,0
Wearing apparel	1,98	107,2	78,3	59,0	79,2	85,0	83,6
Leather and leather products	0,27	106,3	67,3	80,0	88,8	86,0	73,1
Footwear	0,25	129,4	101,7	74,2	79,9	97,8	88,5
Wood and wood products, paper, publishing and printing	10,63	103,4	89,8	81,8	79,6	90,3	77,7
Sawmilling and planing of wood	0,87	102,9	75,4	92,3	94,6	84,2	84,6
Products of wood	0,88	120,9	84,5	96,0	102,5	105,4	93,6
Paper and paper products	5,34	100,1	99,1	83,2	74,6	97,5	80,2
Publishing	2,18	89,2	74,9	72,8	77,0	71,8	60,2
Printing, recorded media	1,35	128,6	89,8	75,0	79,1	85,8	81,0
Petroleum, chemical products, rubber and plastic products	24,95	83,0	69,6	68,8	74,1	81,8	76,9
Coke, petroleum products and nuclear fuel	11,85	52,7	52,0	51,4	56,0	63,3	64,6
Basic chemicals	3,50	108,0	93,3	89,9	94,7	101,1	97,4
Other chemical products	6,64	108,1	85,2	79,9	85,5	94,4	82,4
Rubber products	0,76	103,3	49,7	92,3	102,7	111,0	90,5
Plastic products	2,20	123,5	86,0	87,1	94,4	102,8	88,7
Glass and non-metallic mineral products	3,24	117,8	91,3	86,8	88,6	96,5	89,4
Glass and glass products	0,49	119,3	101,6	100,5	94,1	105,5	96,5
Non-metallic mineral products	2,75	117,5	89,4	84,3	87,6	94,9	88,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,73	106,3	77,9	79,9	90,5	104,4	94,9
Basic iron and steel products	2,92	82,9	69,7	81,8	77,2	93,4	94,2
Non-ferrous metal products	3,32	95,0	84,2	83,5	81,1	89,6	83,6
Structural metal products	1,99	116,1	80,5	71,3	95,7	113,1	95,3
Other fabricated metal products	3,53	114,2	67,1	77,0	99,6	105,9	90,4
General purpose machinery	3,42	122,2	82,4	83,7	99,0	114,1	105,0
Special purpose machinery	3,85	106,7	82,1	77,5	89,9	110,1	99,4
Household appliances	0,70	110,5	83,1	87,4	91,9	109,6	99,1
Electrical machinery	2,21	107,0	77,0	80,7	99,1	111,8	102,4
Radio, television and communication apparatus and professional equipment	1,07	119,9	106,9	74,7	99,5	110,2	92,6
Radio, television and communication apparatus	0,04	114,3	110,2	64,1	89,1	103,1	76,0
Professional equipment	1,03	120,1	106,8	75,1	99,9	110,5	93,3
Motor vehicles, parts and accessories and other transport equipment	8,89	122,8	65,2	80,9	103,7	118,3	92,5
Motor vehicles	2,78	111,3	52,6	77,7	97,6	113,8	84,1
Bodies for motor vehicles, trailers and semi-trailers	0,73	134,4	68,7	71,9	103,2	122,5	95,5
Parts and accessories	3,97	128,7	63,0	84,3	109,9	118,9	103,7
Other transport equipment	1,40	123,1	94,9	82,3	98,3	123,5	75,9
Furniture and other manufacturing	4,27	100,3	83,2	70,6	80,8	85,2	78,9
Furniture	0,78	115,1	95,2	73,1	78,2	94,8	82,0
Other manufacturing groups	3,49	97,0	80,5	70,1	81,3	83,0	78,2
Total	100	102,5	82,7	79,4	85,9	97,3	87,4

¹ Preliminary.

Table 5 – Year-on-year percentage change in the volume of manufacturing production by division and major group (Base: 2019=100)

Manufacturing division and major group	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23
Food and beverages	-4,8	-4,3	4,1	-6,3	3,5	4,6
Meat, fish, fruit, etc.	5,1	-3,7	10,0	-0,1	5,0	-2,0
Dairy products	4,1	8,2	18,8	10,3	21,1	15,0
Grain mill products	-8,3	-13,4	-7,4	4,6	2,5	1,2
Other food products	1,4	1,4	-3,0	-6,5	11,9	1,2
Beverages	-14,9	-8,8	8,5	-13,7	-6,4	11,5
Textiles, clothing, leather and footwear	-6,7	-3,9	-4,3	-12,5	-12,5	2,9
Textiles	-12,5	-4,7	-13,4	-20,5	-9,5	-11,2
Other textile products	-0,3	8,0	5,3	6,4	-12,6	0,6
Knitted, crocheted articles	12,3	12,0	1,4	-18,2	1,8	8,0
Wearing apparel	-10,4	-8,3	-4,7	-16,5	-18,7	13,0
Leather and leather products	31,1	3,2	10,0	4,5	-2,4	4,7
Footwear	2,9	-3,0	8,3	5,5	13,9	10,5
Wood and wood products, paper, publishing and printing	-8,8	-1,6	-4,6	-5,2	-0,3	0,0
Sawmilling and planing of wood	2,5	2,9	15,2	8,2	2,6	2,9
Products of wood	3,1	-6,3	4,7	2,2	8,0	4,7
Paper and paper products	-11,3	-0,9	-8,7	-13,3	-0,9	0,8
Publishing	-10,5	-8,7	-7,7	2,9	-1,5	-7,7
Printing, recorded media	-10,2	6,4	0,3	1,0	-3,6	1,1
Petroleum, chemical products, rubber and plastic products	-2,1	-12,2	-11,6	-6,0	-9,1	2,8
Coke, petroleum products and nuclear fuel	-19,7	-27,5	-25,4	-14,6	-15,6	12,3
Basic chemicals	8,1	2,8	-6,1	7,7	-7,2	-5,2
Other chemical products	7,1	-4,2	-0,4	-7,3	-7,4	-1,8
Rubber products	9,2	4,6	-10,0	14,9	15,0	-1,3
Plastic products	10,3	1,9	7,3	3,1	0,4	-2,2
Glass and non-metallic mineral products	2,7	6,0	8,5	-4,8	-8,5	-3,0
Glass and glass products	7,5	2,7	11,3	-3,2	7,2	-3,3
Non-metallic mineral products	1,8	6,7	7,9	-5,1	-11,1	-3,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	0,1	-6,0	-3,9	-4,8	0,5	5,3
Basic iron and steel products	-16,1	-15,9	-13,2	-18,6	4,6	3,2
Non-ferrous metal products	4,5	-6,3	-0,5	-8,3	-10,2	-5,6
Structural metal products	6,8	16,5	8,5	4,6	4,5	32,9
Other fabricated metal products	-6,5	-5,4	-13,3	-2,0	-4,9	3,9
General purpose machinery	16,4	-13,4	6,1	6,2	9,2	18,1
Special purpose machinery	-3,4	-2,1	-3,2	-8,4	0,8	-2,8
Household appliances	5,6	-1,1	-5,0	-6,1	6,4	0,6
Electrical machinery	-7,4	-11,4	-7,8	-6,3	-0,2	4,0
Radio, television and communication apparatus and professional equipment	7,5	19,4	-10,8	1,8	-1,3	2,9
Radio, television and communication apparatus	-6,2	-12,1	2,2	-2,2	30,3	24,8
Professional equipment	8,1	21,4	-11,2	1,9	-2,2	2,3
Motor vehicles, parts and accessories and other transport equipment	10,6	13,4	-6,7	1,0	4,6	5,0
Motor vehicles	5,5	10,5	-5,6	-12,0	-7,0	7,0
Bodies for motor vehicles, trailers and semi-trailers	9,8	0,7	-10,5	10,6	5,2	-12,2
Parts and accessories	15,2	24,0	-10,4	6,8	12,1	11,9
Other transport equipment	7,9	4,5	5,9	8,0	9,3	-8,4
Furniture and other manufacturing	-6,3	-4,5	-6,1	-11,6	-3,2	0,6
Furniture	-6,1	-4,7	-0,9	-5,6	7,4	7,2
Other manufacturing groups	-6,4	-4,4	-7,2	-12,9	-5,5	-0,9
Total	-2,1	-4,6	-4,1	-5,5	-1,8	3,4

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

Manufacturing division and major group	Weight	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23
Food and beverages	20,75	-1,1	-1,1	0,9	-1,4	0,7	1,0
Meat, fish, fruit, etc.	3,27	0,2	-0,2	0,4	0,0	0,2	-0,1
Dairy products	1,39	0,1	0,1	0,3	0,1	0,3	0,2
Grain mill products	1,68	-0,2	-0,3	-0,2	0,1	0,0	0,0
Other food products	7,75	0,1	0,1	-0,2	-0,5	0,8	0,1
Beverages	6,66	-1,3	-1,0	0,7	-1,1	-0,5	0,8
Textiles, clothing, leather and footwear	4,26	-0,3	-0,2	-0,2	-0,6	-0,6	0,1
Textiles	1,08	-0,2	0,0	-0,2	-0,3	-0,1	-0,1
Other textile products	0,61	0,0	0,0	0,0	0,0	-0,1	0,0
Knitted, crocheted articles	0,06	0,0	0,0	0,0	0,0	0,0	0,0
Wearing apparel	1,98	-0,2	-0,2	-0,1	-0,3	-0,4	0,2
Leather and leather products	0,27	0,1	0,0	0,0	0,0	0,0	0,0
Footwear	0,25	0,0	0,0	0,0	0,0	0,0	0,0
Wood and wood products, paper, publishing and printing	10,63	-1,0	-0,2	-0,5	-0,5	0,0	0,0
Sawmilling and planing of wood	0,87	0,0	0,0	0,1	0,1	0,0	0,0
Products of wood	0,88	0,0	-0,1	0,0	0,0	0,1	0,0
Paper and paper products	5,34	-0,7	-0,1	-0,5	-0,7	0,0	0,0
Publishing	2,18	-0,2	-0,2	-0,2	0,1	0,0	-0,1
Printing, recorded media	1,35	-0,2	0,1	0,0	0,0	0,0	0,0
Petroleum, chemical products, rubber and plastic products	24,95	-0,4	-2,8	-2,7	-1,3	-2,1	0,6
Coke, petroleum products and nuclear fuel	11,85	-1,5	-2,7	-2,5	-1,3	-1,4	1,0
Basic chemicals	3,50	0,3	0,1	-0,2	0,3	-0,3	-0,2
Other chemical products	6,64	0,5	-0,3	0,0	-0,5	-0,5	-0,1
Rubber products	0,76	0,1	0,0	-0,1	0,1	0,1	0,0
Plastic products	2,20	0,2	0,0	0,2	0,1	0,0	-0,1
Glass and non-metallic mineral products	3,24	0,1	0,2	0,3	-0,2	-0,3	-0,1
Glass and glass products	0,49	0,0	0,0	0,1	0,0	0,0	0,0
Non-metallic mineral products	2,75	0,1	0,2	0,2	-0,1	-0,3	-0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,73	0,0	-1,1	-0,8	-1,0	0,1	1,1
Basic iron and steel products	2,92	-0,4	-0,4	-0,4	-0,6	0,1	0,1
Non-ferrous metal products	3,32	0,1	-0,2	0,0	-0,3	-0,3	-0,2
Structural metal products	1,99	0,1	0,3	0,1	0,1	0,1	0,6
Other fabricated metal products	3,53	-0,3	-0,2	-0,5	-0,1	-0,2	0,1
General purpose machinery	3,42	0,6	-0,5	0,2	0,2	0,3	0,7
Special purpose machinery	3,85	-0,1	-0,1	-0,1	-0,3	0,0	-0,1
Household appliances	0,70	0,0	0,0	0,0	0,0	0,0	0,0
Electrical machinery	2,21	-0,2	-0,3	-0,2	-0,2	0,0	0,1
Radio, television and communication apparatus and professional equipment	1,07	0,1	0,2	-0,1	0,0	0,0	0,0
Radio, television and communication apparatus	0,04	0,0	0,0	0,0	0,0	0,0	0,0
Professional equipment	1,03	0,1	0,2	-0,1	0,0	0,0	0,0
Motor vehicles, parts and accessories and other transport equipment	8,89	1,0	0,8	-0,6	0,1	0,5	0,5
Motor vehicles	2,78	0,2	0,2	-0,2	-0,4	-0,2	0,2
Bodies for motor vehicles, trailers and semi-trailers	0,73	0,1	0,0	-0,1	0,1	0,0	-0,1
Parts and accessories	3,97	0,6	0,6	-0,5	0,3	0,5	0,5
Other transport equipment	1,40	0,1	0,1	0,1	0,1	0,1	-0,1
Furniture and other manufacturing	4,27	-0,3	-0,2	-0,2	-0,5	-0,1	0,0
Furniture	0,78	-0,1	0,0	0,0	0,0	0,1	0,1
Other manufacturing groups	3,49	-0,2	-0,1	-0,2	-0,5	-0,2	0,0
Total	100	-2,1	-4,6	-4,1	-5,5	-1,8	3,4

Table 7 – Seasonally adjusted index of the volume of manufacturing production by division and major group (Base: 2019=100)

Manufacturing division and major group	Weight	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	Month-on-month % change
Food and beverages	20,75	99,7	106,3	100,1	105,2	104,2	-1,0
Meat, fish, fruit, etc.	3,27	104,2	112,5	105,9	109,7	104,7	-4,6
Dairy products	1,39	97,4	103,6	98,8	102,8	104,3	1,5
Grain mill products	1,68	91,9	100,3	107,6	103,9	102,2	-1,6
Other food products	7,75	96,7	95,4	95,4	99,8	95,9	-3,9
Beverages	6,66	103,5	118,2	101,0	109,9	114,1	3,8
Textiles, clothing, leather and footwear	4,26	95,2	93,2	88,3	90,3	91,1	0,9
Textiles	1,08	112,2	98,7	91,4	101,4	95,8	-5,5
Other textile products	0,61	101,5	88,5	96,1	87,9	93,4	6,3
Knitted, crocheted articles	0,06	90,4	81,8	76,2	82,6	81,3	-1,6
Wearing apparel	1,98	85,7	91,5	83,6	85,0	89,0	4,7
Leather and leather products	0,27	77,7	87,0	84,2	79,3	76,1	-4,0
Footwear	0,25	102,5	103,7	100,3	104,8	100,4	-4,2
Wood and wood products, paper, publishing and printing	10,63	94,7	91,6	86,0	90,6	89,8	-0,9
Sawmilling and planing of wood	0,87	95,3	99,7	97,0	85,5	94,6	10,6
Products of wood	0,88	105,8	110,1	106,4	106,6	104,0	-2,4
Paper and paper products	5,34	99,2	91,8	81,7	94,1	92,1	-2,1
Publishing	2,18	78,2	79,9	80,8	77,5	73,9	-4,6
Printing, recorded media	1,35	95,9	92,6	91,3	90,7	94,0	3,6
Petroleum, chemical products, rubber and plastic products	24,95	73,9	73,9	78,6	79,7	82,6	3,6
Coke, petroleum products and nuclear fuel	11,85	50,6	50,4	59,1	62,3	66,3	6,4
Basic chemicals	3,50	100,2	95,3	106,3	102,0	103,4	1,4
Other chemical products	6,64	90,9	91,7	89,5	90,1	93,0	3,2
Rubber products	0,76	90,5	101,6	97,6	98,7	101,6	2,9
Plastic products	2,20	100,6	103,4	100,2	100,1	99,8	-0,3
Glass and non-metallic mineral products	3,24	110,6	105,8	97,6	93,7	97,3	3,8
Glass and glass products	0,49	104,9	107,9	102,0	108,6	105,0	-3,3
Non-metallic mineral products	2,75	111,6	105,5	96,8	90,9	95,9	5,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,73	92,3	95,6	94,3	97,6	98,1	0,5
Basic iron and steel products	2,92	80,1	81,3	78,9	88,2	89,6	1,6
Non-ferrous metal products	3,32	88,1	89,2	84,8	85,2	85,9	0,8
Structural metal products	1,99	105,5	99,0	97,9	106,9	105,7	-1,1
Other fabricated metal products	3,53	95,6	93,5	99,8	98,8	96,0	-2,8
General purpose machinery	3,42	93,1	113,4	109,4	114,4	112,7	-1,5
Special purpose machinery	3,85	93,5	97,2	93,8	93,3	99,4	6,5
Household appliances	0,70	99,1	90,8	94,4	104,3	100,7	-3,5
Electrical machinery	2,21	103,3	99,8	100,3	101,9	106,3	4,3
Radio, television and communication apparatus and professional equipment	1,07	105,1	98,2	105,0	100,3	100,8	0,5
Radio, television and communication apparatus	0,04	94,1	90,5	91,9	98,0	94,1	-4,0
Professional equipment	1,03	105,6	98,5	105,5	100,4	101,1	0,7
Motor vehicles, parts and accessories and other transport equipment	8,89	106,5	98,8	101,2	103,5	98,8	-4,5
Motor vehicles	2,78	102,9	98,3	93,1	97,5	95,8	-1,7
Bodies for motor vehicles, trailers and semi-trailers	0,73	108,7	101,6	108,1	120,2	97,0	-19,3
Parts and accessories	3,97	111,9	98,5	105,7	105,3	105,1	-0,2
Other transport equipment	1,40	97,5	99,2	100,7	101,3	87,4	-13,7
Furniture and other manufacturing	4,27	92,0	87,2	80,3	90,0	93,5	3,9
Furniture	0,78	103,7	95,6	87,6	98,7	98,0	-0,7
Other manufacturing groups	3,49	89,4	85,3	78,7	88,1	92,4	4,9
Total	100	91,8	92,3	90,8	93,9	94,4	0,5

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

Month	2017	2018	2019	2020	2021	2022	2023 ¹
Jan	160 525	167 548	183 379	182 810	179 439	203 502	223 345
Feb	175 284	186 833	197 889	202 751	206 844	229 922	249 732
Mar	196 317	198 873	216 145	202 704	238 957	260 280	291 219
Apr	170 582	178 303	205 339	98 153	216 628	224 281	252 628
May	193 831	207 711	215 489	145 978	222 587	250 160	
Jun	197 264	207 188	215 533	178 506	229 004	251 809	
Jul	188 822	210 326	219 394	192 336	198 298	246 010	
Aug	200 787	217 655	228 219	198 640	219 992	257 345	
Sep	202 754	221 058	219 593	213 806	231 917	274 061	
Oct	212 440	239 210	239 383	234 021	230 295	265 803	
Nov	230 169	243 365	237 498	238 072	258 050	286 986	
Dec	187 323	196 436	190 046	196 767	217 403	236 998	
Total	2 316 098	2 474 506	2 567 907	2 284 544	2 649 414	2 987 157	

¹ The latest three months are preliminary.

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

Month	2018	2019	2020	2021	2022	2023	2023 year-to-date
Jan	4,4	9,4	-0,3	-1,8	13,4	9,8	9,8
Feb	6,6	5,9	2,5	2,0	11,2	8,6	9,1
Mar	1,3	8,7	-6,2	17,9	8,9	11,9	10,2
Apr	4,5	15,2	-52,2	120,7	3,5	12,6	10,8
May	7,2	3,7	-32,3	52,5	12,4		
Jun	5,0	4,0	-17,2	28,3	10,0		
Jul	11,4	4,3	-12,3	3,1	24,1		
Aug	8,4	4,9	-13,0	10,7	17,0		
Sep	9,0	-0,7	-2,6	8,5	18,2		
Oct	12,6	0,1	-2,2	-1,6	15,4		
Nov	5,7	-2,4	0,2	8,4	11,2		
Dec	4,9	-3,3	3,5	10,5	9,0		
Total	6,8	3,8	-11,0	16,0	12,7		

Table 10 – Seasonally adjusted manufacturing sales at current prices

Month	R million				Month-on-month % change			
	2020	2021	2022	2023	2020	2021	2022	2023
Jan	211 345	211 428	240 815	261 040	2,9	-0,7	3,4	0,1
Feb	214 816	219 301	244 927	265 871	1,6	3,7	1,7	1,9
Mar	198 028	229 990	248 805	275 800	-7,8	4,9	1,6	3,7
Apr	104 829	229 388	239 568	274 859	-47,1	-0,3	-3,7	-0,3
May	146 322	224 661	248 772		39,6	-2,1	3,8	
Jun	174 893	223 984	246 983		19,5	-0,3	-0,7	
Jul	188 215	197 314	246 956		7,6	-11,9	0,0	
Aug	196 422	215 849	250 181		4,4	9,4	1,3	
Sep	204 638	221 947	260 023		4,2	2,8	3,9	
Oct	212 294	212 451	248 307		3,7	-4,3	-4,5	
Nov	213 788	229 331	255 662		0,7	7,9	3,0	
Dec	212 940	232 986	260 685		-0,4	1,6	2,0	

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

Manufacturing division and major group	Nov-22	Dec-22	Jan-23	¹ Feb-23	¹ Mar-23	¹ Apr-23
Food and beverages	69 790	65 997	57 299	58 811	66 259	62 935
Meat, fish, fruit, etc.	21 682	19 878	16 915	17 442	18 937	16 408
Dairy products	6 236	5 898	5 590	5 132	6 318	5 802
Grain mill products	11 895	10 178	10 816	10 971	12 405	11 476
Other food products	13 614	10 895	9 684	11 338	11 586	14 944
Beverages	16 364	19 148	14 293	13 927	17 013	14 304
Textiles, clothing, leather and footwear	7 127	5 147	4 042	5 594	5 891	5 579
Textiles	903	591	607	778	882	783
Other textile products	1 975	1 529	1 186	1 772	1 672	1 538
Knitted, crocheted articles	253	171	142	180	215	199
Wearing apparel	2 350	1 612	1 120	1 664	1 730	1 797
Leather and leather products	624	421	378	527	582	452
Footwear	1 023	823	610	673	811	808
Wood and wood products, paper, publishing and printing	18 715	16 455	13 581	14 526	18 220	14 079
Sawmilling and planing of wood	1 273	1 041	1 170	1 227	1 308	1 241
Products of wood	2 530	1 637	1 997	2 144	2 150	2 013
Paper and paper products	9 170	9 672	6 629	7 035	10 563	6 962
Publishing	1 654	1 350	1 376	1 465	1 328	1 137
Printing, recorded media	4 088	2 755	2 410	2 655	2 872	2 725
Petroleum, chemical products, rubber and plastic products	59 055	48 838	44 838	51 488	58 518	53 974
Coke, petroleum products and nuclear fuel	15 946	15 586	13 860	17 837	20 803	20 897
Basic chemicals	13 622	10 691	10 303	10 447	11 745	10 985
Other chemical products	17 082	13 909	12 306	13 623	15 308	13 328
Rubber products	2 072	1 676	1 626	1 910	2 233	1 822
Plastic products	10 333	6 976	6 744	7 672	8 428	6 941
Glass and non-metallic mineral products	9 454	7 058	6 511	7 384	8 105	7 580
Glass and glass products	1 724	1 430	1 193	1 354	1 538	1 314
Non-metallic mineral products	7 730	5 628	5 318	6 030	6 567	6 266
Basic iron and steel, non-ferrous metal products, metal products and machinery	60 193	46 315	46 429	52 022	62 142	53 732
Basic iron and steel products	12 349	10 626	12 021	11 905	15 946	13 894
Non-ferrous metal products	18 612	15 426	15 440	14 675	16 986	14 862
Structural metal products	5 082	3 618	3 157	4 196	5 252	4 257
Other fabricated metal products	9 496	5 755	6 344	8 405	8 849	7 649
General purpose machinery	6 142	4 200	4 307	5 207	6 060	5 538
Special purpose machinery	7 227	5 655	4 152	6 523	7 711	6 291
Household appliances	1 285	1 034	1 007	1 111	1 337	1 240
Electrical machinery	6 460	5 198	4 690	6 259	7 133	6 149
Radio, television and communication apparatus and professional equipment	2 885	2 885	1 840	2 439	2 946	2 260
Radio, television and communication apparatus	1 172	1 315	792	1 110	1 252	924
Professional equipment	1 713	1 569	1 048	1 330	1 694	1 336
Motor vehicles, parts and accessories and other transport equipment	43 271	29 671	36 590	42 369	51 684	36 767
Motor vehicles	25 240	17 820	22 813	25 499	33 299	23 128
Bodies for motor vehicles, trailers and semi-trailers	1 813	1 102	844	1 379	1 754	1 344
Parts and accessories	12 253	7 691	10 296	12 323	12 477	9 822
Other transport equipment	3 966	3 058	2 636	3 168	4 154	2 473
Furniture and other manufacturing	10 036	9 435	7 524	8 841	10 321	9 574
Furniture	1 638	1 318	1 284	1 417	1 705	1 581
Other manufacturing groups	8 398	8 117	6 240	7 424	8 616	7 993
Total	286 986	236 998	223 345	249 732	291 219	252 628

¹ Preliminary.

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

Manufacturing division and major group	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23
Food and beverages	10,5	4,7	14,7	12,2	11,9	14,8
Meat, fish, fruit, etc.	26,5	7,9	17,4	17,3	4,3	-1,4
Dairy products	25,2	21,9	34,9	30,7	33,9	38,4
Grain mill products	12,6	9,7	25,6	29,0	23,5	21,1
Other food products	21,3	15,2	5,7	19,7	19,8	37,3
Beverages	-14,9	-9,0	5,0	-11,0	2,3	4,8
Textiles, clothing, leather and footwear	5,8	6,5	4,8	4,6	-1,3	14,7
Textiles	3,6	5,9	-2,7	2,0	5,5	8,8
Other textile products	5,7	23,3	16,6	10,6	-4,3	9,6
Knitted, crocheted articles	16,6	20,4	6,8	0,0	-0,5	21,3
Wearing apparel	-2,8	-8,6	-9,0	-6,4	-16,1	13,7
Leather and leather products	38,4	14,7	2,2	11,7	23,8	15,9
Footwear	12,4	7,9	26,0	21,9	27,5	33,1
Wood and wood products, paper, publishing and printing	5,9	16,3	-0,6	6,8	23,4	15,6
Sawmilling and planing of wood	17,9	22,8	37,2	27,2	32,8	32,2
Products of wood	10,3	8,2	9,8	8,6	9,4	9,6
Paper and paper products	0,9	18,5	-11,3	-2,0	28,7	17,2
Publishing	6,4	7,1	-1,1	19,7	12,7	11,1
Printing, recorded media	11,9	16,7	13,6	18,1	18,2	11,8
Petroleum, chemical products, rubber and plastic products	17,0	5,0	3,6	14,3	11,2	18,0
Coke, petroleum products and nuclear fuel	0,7	-3,8	-2,7	24,0	27,9	48,6
Basic chemicals	25,0	3,7	9,5	9,8	1,0	10,5
Other chemical products	29,3	15,4	6,2	12,7	3,8	5,5
Rubber products	20,3	20,3	20,4	19,4	29,8	1,5
Plastic products	17,3	6,3	0,6	2,7	1,8	-4,9
Glass and non-metallic mineral products	12,1	17,2	12,4	1,8	3,9	14,5
Glass and glass products	26,6	15,0	13,0	11,5	27,4	12,6
Non-metallic mineral products	9,3	17,7	12,2	-0,2	-0,4	14,9
Basic iron and steel, non-ferrous metal products, metal products and machinery	-4,8	0,1	-6,8	-7,2	-4,4	1,8
Basic iron and steel products	-35,0	-6,7	-18,4	-18,0	-3,8	5,9
Non-ferrous metal products	1,8	-1,7	-4,6	-22,0	-21,9	-17,9
Structural metal products	17,6	31,0	15,0	19,1	14,0	30,4
Other fabricated metal products	2,3	7,4	-6,5	5,0	-1,4	4,9
General purpose machinery	31,4	-2,1	20,3	22,8	26,2	34,8
Special purpose machinery	10,3	-2,4	-13,9	11,4	9,7	7,6
Household appliances	11,3	6,5	3,3	0,2	5,9	15,0
Electrical machinery	0,5	5,6	0,3	7,7	11,2	11,3
Radio, television and communication apparatus and professional equipment	-3,7	8,4	-4,0	3,0	15,7	13,1
Radio, television and communication apparatus	-22,6	-7,8	3,8	8,0	20,2	24,7
Professional equipment	15,7	27,0	-9,1	-0,7	12,6	6,3
Motor vehicles, parts and accessories and other transport equipment	49,3	53,3	54,2	25,9	43,0	18,9
Motor vehicles	62,1	62,6	70,1	24,6	56,9	21,0
Bodies for motor vehicles, trailers and semi-trailers	32,5	28,3	-5,9	22,5	22,9	3,5
Parts and accessories	38,6	54,8	42,7	30,3	22,7	22,5
Other transport equipment	24,2	18,8	19,4	21,2	24,7	-0,5
Furniture and other manufacturing	0,9	-2,3	10,6	5,9	5,6	8,8
Furniture	-18,0	-20,3	7,6	4,4	15,4	23,3
Other manufacturing groups	5,6	1,4	11,2	6,2	3,9	6,3
Total	11,2	9,0	9,8	8,6	11,9	12,6

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	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23
Food and beverages	2,6	1,4	3,6	2,8	2,7	3,6
Meat, fish, fruit, etc.	1,8	0,7	1,2	1,1	0,3	-0,1
Dairy products	0,5	0,5	0,7	0,5	0,6	0,7
Grain mill products	0,5	0,4	1,1	1,1	0,9	0,9
Other food products	0,9	0,7	0,3	0,8	0,7	1,8
Beverages	-1,1	-0,9	0,3	-0,7	0,1	0,3
Textiles, clothing, leather and footwear	0,2	0,1	0,1	0,1	0,0	0,3
Textiles	0,0	0,0	0,0	0,0	0,0	0,0
Other textile products	0,0	0,1	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	-0,1	-0,1	0,0	-0,1	0,1
Leather and leather products	0,1	0,0	0,0	0,0	0,0	0,0
Footwear	0,0	0,0	0,1	0,1	0,1	0,1
Wood and wood products, paper, publishing and printing	0,4	1,1	0,0	0,4	1,3	0,8
Sawmilling and planing of wood	0,1	0,1	0,2	0,1	0,1	0,1
Products of wood	0,1	0,1	0,1	0,1	0,1	0,1
Paper and paper products	0,0	0,7	-0,4	-0,1	0,9	0,5
Publishing	0,0	0,0	0,0	0,1	0,1	0,1
Printing, recorded media	0,2	0,2	0,1	0,2	0,2	0,1
Petroleum, chemical products, rubber and plastic products	3,3	1,1	0,8	2,8	2,3	3,7
Coke, petroleum products and nuclear fuel	0,0	-0,3	-0,2	1,5	1,7	3,0
Basic chemicals	1,1	0,2	0,4	0,4	0,0	0,5
Other chemical products	1,5	0,9	0,4	0,7	0,2	0,3
Rubber products	0,1	0,1	0,1	0,1	0,2	0,0
Plastic products	0,6	0,2	0,0	0,1	0,1	-0,2
Glass and non-metallic mineral products	0,4	0,5	0,4	0,1	0,1	0,4
Glass and glass products	0,1	0,1	0,1	0,1	0,1	0,1
Non-metallic mineral products	0,3	0,4	0,3	0,0	0,0	0,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	-1,2	0,0	-1,7	-1,8	-1,1	0,4
Basic iron and steel products	-2,6	-0,4	-1,3	-1,1	-0,2	0,3
Non-ferrous metal products	0,1	-0,1	-0,4	-1,8	-1,8	-1,4
Structural metal products	0,3	0,4	0,2	0,3	0,2	0,4
Other fabricated metal products	0,1	0,2	-0,2	0,2	0,0	0,2
General purpose machinery	0,6	0,0	0,4	0,4	0,5	0,6
Special purpose machinery	0,3	-0,1	-0,3	0,3	0,3	0,2
Household appliances	0,1	0,0	0,0	0,0	0,0	0,1
Electrical machinery	0,0	0,1	0,0	0,2	0,3	0,3
Radio, television and communication apparatus and professional equipment	0,0	0,1	0,0	0,0	0,2	0,1
Radio, television and communication apparatus	-0,1	-0,1	0,0	0,0	0,1	0,1
Professional equipment	0,1	0,2	-0,1	0,0	0,1	0,0
Motor vehicles, parts and accessories and other transport equipment	5,5	4,7	6,3	3,8	6,0	2,6
Motor vehicles	3,7	3,2	4,6	2,2	4,6	1,8
Bodies for motor vehicles, trailers and semi-trailers	0,2	0,1	0,0	0,1	0,1	0,0
Parts and accessories	1,3	1,3	1,5	1,2	0,9	0,8
Other transport equipment	0,3	0,2	0,2	0,2	0,3	0,0
Furniture and other manufacturing	0,0	-0,1	0,4	0,2	0,2	0,3
Furniture	-0,1	-0,2	0,0	0,0	0,1	0,1
Other manufacturing groups	0,2	0,1	0,3	0,2	0,1	0,2
Total	11,2	9,0	9,8	8,6	11,9	12,6

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

Manufacturing division and major group	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	Month-on-month % change
Food and beverages	59 843	64 115	64 017	65 150	68 357	4,9
Meat, fish, fruit, etc.	18 100	19 485	19 211	18 470	17 758	-3,9
Dairy products	5 450	5 828	5 808	5 960	6 309	5,9
Grain mill products	10 257	11 728	11 990	12 049	12 355	2,5
Other food products	11 555	10 790	12 335	12 365	14 868	20,2
Beverages	14 480	16 285	14 672	16 306	17 068	4,7
Textiles, clothing, leather and footwear	5 950	5 698	5 943	5 773	6 046	4,7
Textiles	841	779	792	811	831	2,5
Other textile products	1 838	1 649	1 729	1 622	1 671	3,0
Knitted, crocheted articles	227	204	201	204	215	5,4
Wearing apparel	1 743	1 762	1 811	1 674	1 844	10,2
Leather and leather products	502	452	547	556	526	-5,4
Footwear	799	852	863	907	959	5,7
Wood and wood products, paper, publishing and printing	17 315	15 541	15 541	18 287	16 272	-11,0
Sawmilling and planing of wood	1 253	1 307	1 285	1 280	1 377	7,6
Products of wood	2 135	2 316	2 223	2 190	2 242	2,4
Paper and paper products	9 573	7 379	7 539	10 334	8 130	-21,3
Publishing	1 389	1 565	1 486	1 436	1 420	-1,1
Printing, recorded media	2 965	2 975	3 008	3 046	3 103	1,9
Petroleum, chemical products, rubber and plastic products	51 698	50 388	58 491	57 723	58 760	1,8
Coke, petroleum products and nuclear fuel	15 196	14 169	21 921	21 444	21 768	1,5
Basic chemicals	11 653	11 611	11 738	11 369	12 129	6,7
Other chemical products	14 450	14 427	14 838	14 639	14 889	1,7
Rubber products	2 183	1 949	1 862	2 030	2 006	-1,2
Plastic products	8 216	8 231	8 131	8 242	7 968	-3,3
Glass and non-metallic mineral products	8 817	8 280	8 126	7 989	8 451	5,8
Glass and glass products	1 462	1 394	1 468	1 618	1 505	-7,0
Non-metallic mineral products	7 354	6 887	6 658	6 371	6 947	9,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	55 309	54 946	55 140	56 768	57 251	0,9
Basic iron and steel products	13 448	12 967	12 932	14 292	14 492	1,4
Non-ferrous metal products	17 075	17 020	15 446	15 694	15 257	-2,8
Structural metal products	4 683	4 423	4 436	4 763	4 942	3,8
Other fabricated metal products	7 942	8 118	8 882	8 314	8 485	2,1
General purpose machinery	4 892	5 685	5 634	5 857	5 845	-0,2
Special purpose machinery	6 079	5 598	6 669	6 645	6 971	4,9
Household appliances	1 189	1 135	1 139	1 204	1 257	4,4
Electrical machinery	6 255	6 062	6 210	6 418	6 608	3,0
Radio, television and communication apparatus and professional equipment	2 547	2 496	2 563	2 709	2 636	-2,7
Radio, television and communication apparatus	1 036	1 110	1 128	1 159	1 171	1,0
Professional equipment	1 511	1 387	1 435	1 550	1 465	-5,5
Motor vehicles, parts and accessories and other transport equipment	43 538	43 565	40 594	45 097	40 313	-10,6
Motor vehicles	26 874	27 779	24 851	29 633	25 756	-13,1
Bodies for motor vehicles, trailers and semi-trailers	1 555	1 245	1 519	1 626	1 457	-10,4
Parts and accessories	11 959	11 336	10 945	10 459	10 263	-1,9
Other transport equipment	3 150	3 205	3 279	3 380	2 837	-16,1
Furniture and other manufacturing	9 413	9 947	9 247	9 885	10 164	2,8
Furniture	1 433	1 858	1 594	1 798	1 839	2,3
Other manufacturing groups	7 980	8 089	7 654	8 087	8 325	2,9
Total	260 685	261 040	265 871	275 800	274 859	-0,3

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 2019. 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 65,3% for April 2023. The improved collection rate for March 2023 was 68,3%.</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 3 276 enterprises from a population of 29 355 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 2022 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 limit	Upper limit
Very small	4	2 097 811	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 2019. 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 producer 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 2023	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 (based on value added for 2016 – 2018)	2019 – 2023 (based on value added for 2017 – 2019)
Food and beverages	19,24	19,76	20,18	20,75
Meat, fish, fruit, etc.	2,58	2,74	2,95	3,27
Dairy products	1,27	1,32	1,34	1,39
Grain mill products	1,95	1,81	1,69	1,68
Other food products	7,29	7,53	7,76	7,75
Beverages	6,15	6,36	6,44	6,66
Textiles, clothing, leather and footwear	4,55	4,44	4,38	4,26
Textiles	1,15	1,11	1,10	1,08
Other textile products	0,67	0,67	0,65	0,61
Knitted, crocheted articles	0,06	0,06	0,06	0,06
Wearing apparel	2,13	2,07	2,04	1,98
Leather and leather products	0,29	0,28	0,28	0,27
Footwear	0,25	0,25	0,25	0,25
Wood and wood products, paper, publishing and printing	10,88	10,76	10,77	10,63
Sawmilling and planing of wood	0,93	0,93	0,93	0,87
Products of wood	0,83	0,86	0,87	0,88
Paper and paper products	5,38	5,33	5,39	5,34
Publishing	2,31	2,28	2,24	2,18
Printing, recorded media	1,43	1,36	1,34	1,35
Petroleum, chemical products, rubber and plastic products	24,66	25,25	25,38	24,95
Coke, petroleum products and nuclear fuel	10,98	11,72	12,02	11,85
Basic chemicals	4,10	3,82	3,69	3,50
Other chemical products	6,28	6,42	6,54	6,64
Rubber products	0,96	0,91	0,84	0,76
Plastic products	2,34	2,38	2,29	2,20
Glass and non-metallic mineral products	3,98	3,66	3,42	3,24
Glass and glass products	0,61	0,57	0,51	0,49
Non-metallic mineral products	3,37	3,09	2,91	2,75
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,82	19,55	19,47	19,73
Basic iron and steel products	2,86	2,77	2,82	2,92
Non-ferrous metal products (including precious metals)	3,74	3,48	3,26	3,32
Structural metal products	1,92	1,97	1,98	1,99
Other fabricated metal products	3,33	3,32	3,35	3,53
General purpose machinery	3,35	3,36	3,46	3,42
Special purpose machinery	3,93	3,93	3,87	3,85
Household appliances	0,69	0,71	0,73	0,70
Electrical machinery	2,55	2,42	2,31	2,21
Radio, television and communication apparatus and professional equipment	1,46	1,34	1,21	1,07
Radio, television and communication apparatus	0,43	0,29	0,13	0,04
Professional equipment	1,03	1,05	1,08	1,03
Motor vehicles, parts and accessories and other transport equipment	8,63	8,56	8,66	8,89
Motor vehicles	2,51	2,61	2,65	2,78
Bodies for motor vehicles, trailers and semi-trailers	0,66	0,68	0,71	0,73
Parts and accessories	4,10	3,91	3,93	3,97
Other transport equipment	1,36	1,36	1,37	1,40
Furniture and other manufacturing	4,22	4,26	4,21	4,27
Furniture	0,88	0,91	0,86	0,78
Other manufacturing groups	3,34	3,35	3,35	3,49
Total	100	100	100	100

Seasonal adjustment 10 Seasonally adjusted estimates are generated each month, using the X-12 Seasonal Adjustment Program developed by the United States Census Bureau. 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. This means 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 Manufacturing seasonal adjustment February 2022.](#)

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.

Relative standard error 14 One measure of the likely difference is given by the standard error (SE), which indicates the extent to which an estimate might have varied by chance because only a sample of enterprises was used. The relative standard error (RSE) provides an immediate indication of the percentage errors likely to have occurred due to sampling, and thus avoids the need to refer to the size of the estimate.

Estimates of total industry sales within 95% confidence limits – April 2023

	Lower limit (R million)	Estimate (R million)	Upper limit (R million)	Relative standard error (RSE) %
Total sales	249 763	252 628	255 494	0,6

Month-on-month percentage change 15 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 16 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) 17 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) 18 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 11 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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