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STATISTICAL RELEASE

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Manufacturing: Production and sales (Preliminary)

August 2023

The results in the next publication (September 2023) will be updated with weights based on national accounts value added data for 2018–2020. Currently, the manufacturing divisions and total manufacturing are calculated based on national accounts value added data for 2017–2019.

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Production: results for August 2023

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

	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23
Year-on-year % change, unadjusted	-1,7	3,6	2,5	5,8	2,2	1,6
Month-on-month % change, seasonally adjusted	3,3	0,9	-1,3	1,1	-1,7	0,5
3-month % change, seasonally adjusted ¹	1,0	1,4	2,6	2,1	0,4	-0,4

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

Manufacturing production increased by 1,6% in August 2023 compared with August 2022. The largest positive contributions were made by the following divisions:

- petroleum, chemical products, rubber and plastic products (7,2% and contributing 1,4 percentage points); and
- basic iron and steel, non-ferrous metal products, metal products and machinery (4,0% and contributing 0,8 of a percentage point) – see Tables 5 and 6.

Seasonally adjusted manufacturing production increased by 0,5% in August 2023 compared with July 2023. This followed month-on-month changes of -1,7% in July 2023 and 1,1% in June 2023 – see Table A.

Seasonally adjusted manufacturing production decreased by 0,4% in the three months ended August 2023 compared with the previous three months. Four of the ten manufacturing divisions reported negative growth rates over this period.

The largest negative contributions were made by the following divisions:

- food and beverages (-3,8% and contributing -0,9 of a percentage point); and
- petroleum, chemical products, rubber and plastic products (-2,9% 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: 2019=100)

Manufacturing division and major group	Weight	Mar – May 2023	Jun – Aug 2023	% change between Mar – May 2023 and Jun – Aug 2023	Contribution (% points) to the total % change
Food and beverages	20,75	101,9	98,0	-3,8	-0,9
Meat, fish, fruit, etc.	3,27	106,9	110,0	2,9	0,1
Dairy products	1,39	105,4	98,7	-6,4	-0,1
Grain mill products	1,68	103,9	102,1	-1,7	0,0
Other food products	7,75	92,6	86,9	-6,2	-0,5
Beverages	6,66	109,0	103,9	-4,7	-0,4
Textiles, clothing, leather and footwear	4,26	91,2	92,0	0,9	0,0
Textiles	1,08	101,8	104,8	2,9	0,0
Other textile products	0,61	89,2	89,4	0,2	0,0
Knitted, crocheted articles	0,06	84,7	89,8	6,0	0,0
Wearing apparel	1,98	86,1	85,7	-0,5	0,0
Leather and leather products	0,27	80,1	84,6	5,6	0,0
Footwear	0,25	104,7	101,6	-3,0	0,0
Wood and wood products, paper, publishing and printing	10,63	91,6	96,1	4,9	0,5
Sawmilling and planing of wood	0,87	90,0	100,4	11,6	0,1
Products of wood	0,88	107,3	112,7	5,0	0,1
Paper and paper products	5,34	93,5	94,8	1,4	0,1
Publishing	2,18	80,6	92,3	14,5	0,3
Printing, recorded media	1,35	92,6	93,8	1,3	0,0
Petroleum, chemical products, rubber and plastic products	24,95	80,3	78,0	-2,9	-0,6
Coke, petroleum products and nuclear fuel	11,85	63,0	59,1	-6,2	-0,5
Basic chemicals	3,50	100,9	99,1	-1,8	-0,1
Other chemical products	6,64	91,3	89,9	-1,5	-0,1
Rubber products	0,76	93,6	96,2	2,8	0,0
Plastic products	2,20	102,3	104,1	1,8	0,0
Glass and non-metallic mineral products	3,24	99,1	100,0	0,9	0,0
Glass and glass products	0,49	105,1	99,4	-5,4	0,0
Non-metallic mineral products	2,75	98,0	100,1	2,1	0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,73	98,6	99,9	1,3	0,3
Basic iron and steel products	2,92	84,3	82,7	-1,9	0,0
Non-ferrous metal products	3,32	87,1	89,7	3,0	0,1
Structural metal products	1,99	103,9	100,7	-3,1	-0,1
Other fabricated metal products	3,53	101,6	108,6	6,9	0,3
General purpose machinery	3,42	111,6	107,5	-3,7	-0,1
Special purpose machinery	3,85	101,1	105,4	4,3	0,2
Household appliances	0,70	103,0	107,7	4,6	0,0
Electrical machinery	2,21	105,1	106,4	1,2	0,0
Radio, television and communication apparatus and professional equipment	1,07	102,5	99,6	-2,8	0,0
Radio, television and communication apparatus	0,04	96,2	93,4	-2,9	0,0
Professional equipment	1,03	102,7	99,9	-2,7	0,0
Motor vehicles, parts and accessories and other transport equipment	8,89	103,1	105,8	2,6	0,3
Motor vehicles	2,78	99,3	103,2	3,9	0,1
Bodies for motor vehicles, trailers and semi-trailers	0,73	109,5	111,4	1,7	0,0
Parts and accessories	3,97	107,5	112,5	4,7	0,2
Other transport equipment	1,40	94,5	89,1	-5,7	-0,1
Furniture and other manufacturing	4,27	91,4	88,4	-3,3	-0,1
Furniture	0,78	95,0	91,7	-3,5	0,0
Other manufacturing groups	3,49	90,7	87,6	-3,4	-0,1
Total	100	93,9	93,5	-0,4	-0,4

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

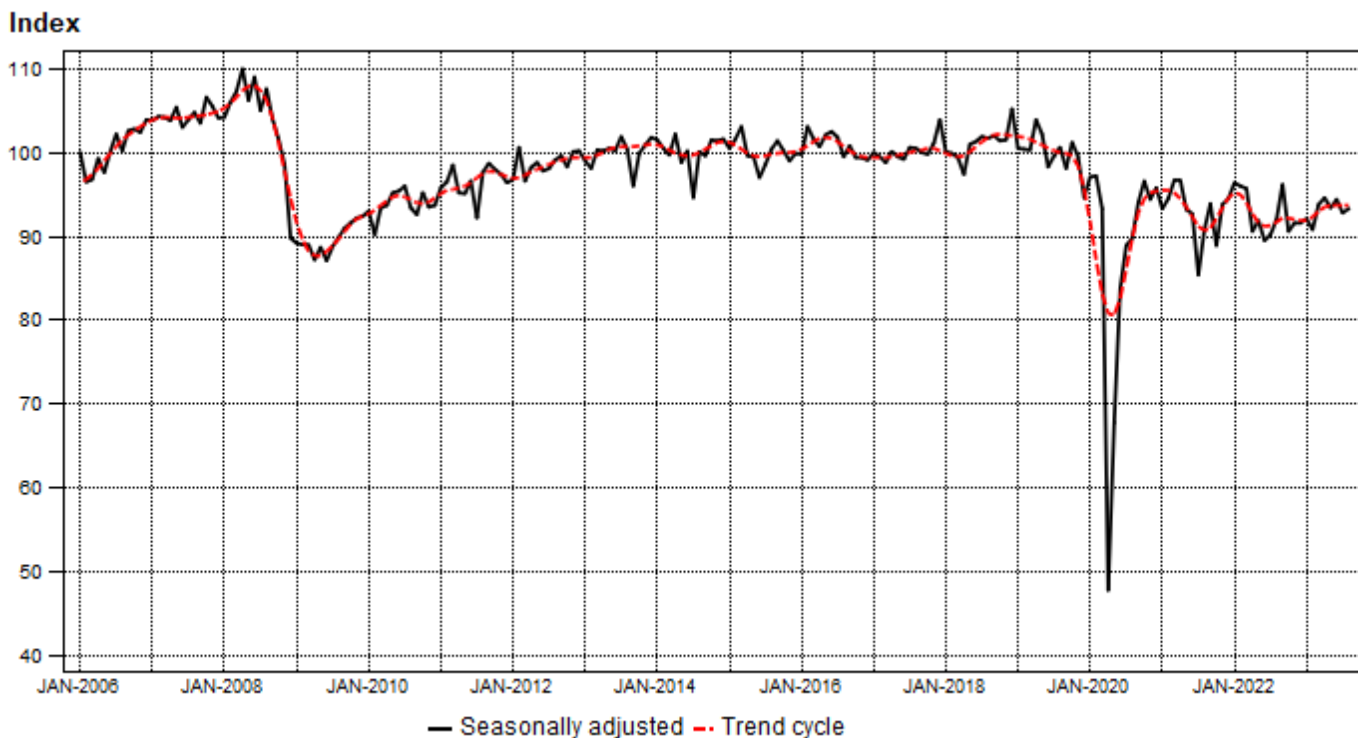
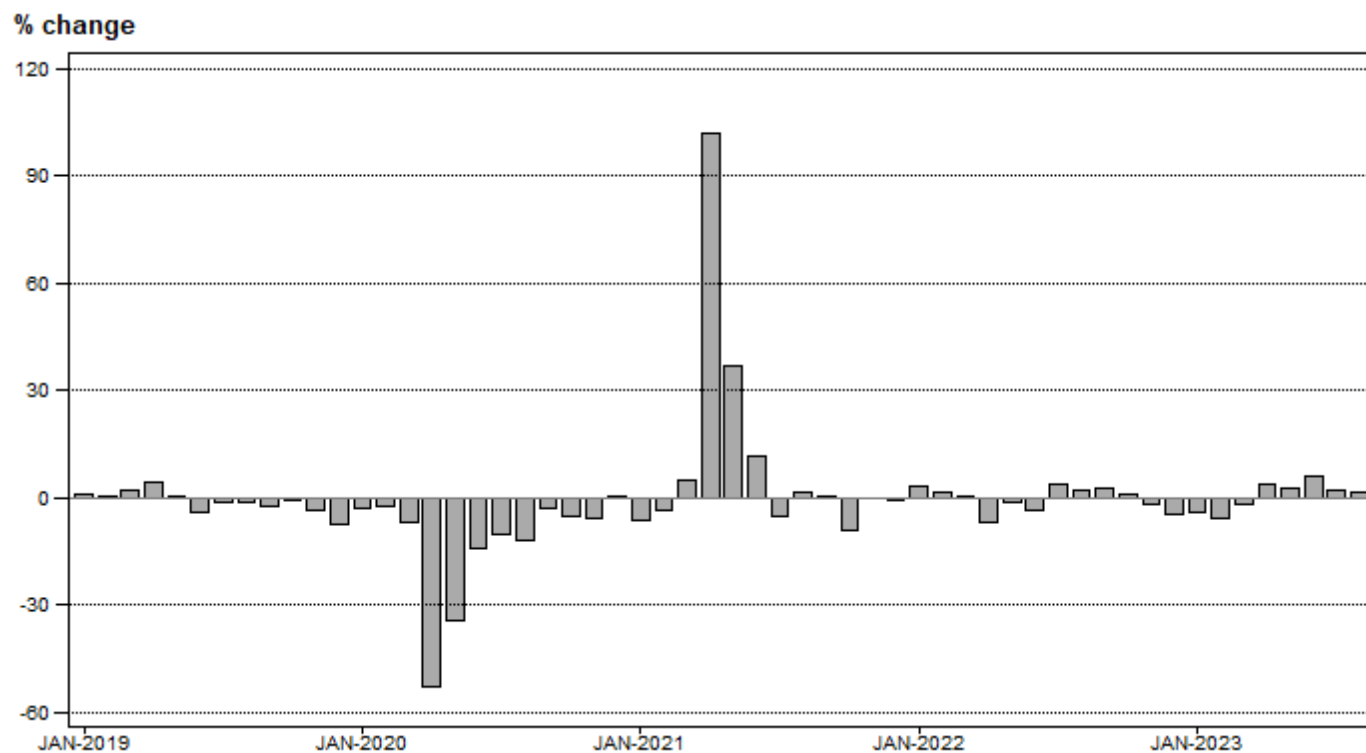


Figure 2 – Volume of manufacturing production (Base: 2019=100): year-on-year percentage change



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

	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23
Year-on-year % change, unadjusted	12,1	13,0	8,2	8,9	9,2	11,6
Month-on-month % change, seasonally adjusted	4,1	-0,4	-2,7	-0,2	1,4	2,5
3-month % change, seasonally adjusted ¹	5,3	5,4	4,2	1,0	-1,4	-0,4

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

Seasonally adjusted manufacturing sales increased by 2,5% in August 2023 compared with July 2023. This followed month-on-month changes of 1,4% in July 2023 and -0,2% in June 2023 – see Table C.

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

Manufacturing division	Mar – May 2023 (R million)	Jun – Aug 2023 (R million)	% change between Mar – May 2023 and Jun – Aug 2023	Contribution (% points) to the total % change
Food and beverages	199 696	188 851	-5,4	-1,3
Textiles, clothing, leather and footwear	18 708	18 909	1,1	0,0
Wood and wood products, paper, publishing and printing	53 556	54 630	2,0	0,1
Petroleum, chemical products, rubber and plastic products	168 636	169 215	0,3	0,1
Glass and non-metallic mineral products	21 944	21 827	-0,5	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	174 518	176 817	1,3	0,3
Electrical machinery	21 404	22 238	3,9	0,1
Radio, television and communication apparatus and professional equipment	7 521	7 206	-4,2	0,0
Motor vehicles, parts and accessories and other transport equipment	128 412	130 663	1,8	0,3
Furniture and other manufacturing	31 339	31 751	1,3	0,0
Total	825 734	822 107	-0,4	-0,4

Seasonally adjusted manufacturing sales decreased by 0,4% in the three months ended August 2023 compared with the previous three months. The largest contribution was made by the food and beverages division (-5,4% and contributing -1,3 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	97,4
Apr	90,5	91,9	95,8	45,0	91,0	84,5	87,5
May	100,1	101,8	102,0	67,0	91,9	90,9	93,2
Jun	101,5	101,9	97,8	83,8	93,7	90,2	95,4
Jul	100,6	103,2	101,8	91,3	86,7	90,2	92,2
Aug	105,0	106,6	105,2	92,8	94,3	96,2	97,7
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	-1,7	-3,6
Apr	1,5	4,2	-53,0	102,2	-7,1	3,6	-1,9
May	1,7	0,2	-34,3	37,2	-1,1	2,5	-1,0
Jun	0,4	-4,0	-14,3	11,8	-3,7	5,8	0,1
Jul	2,6	-1,4	-10,3	-5,0	4,0	2,2	0,3
Aug	1,5	-1,3	-11,8	1,6	2,0	1,6	0,6
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	97,1	93,3	96,4	92,1	2,6	-2,6	2,0	0,5
Feb	97,2	94,5	96,0	90,8	0,1	1,3	-0,4	-1,4
Mar	93,3	96,7	95,7	93,8	-4,0	2,3	-0,3	3,3
Apr	47,8	96,7	90,6	94,6	-48,8	0,0	-5,3	0,9
May	67,8	93,2	91,9	93,4	41,8	-3,6	1,4	-1,3
Jun	83,8	92,7	89,5	94,4	23,6	-0,5	-2,6	1,1
Jul	88,9	85,4	90,2	92,8	6,1	-7,9	0,8	-1,7
Aug	89,8	90,8	92,0	93,3	1,0	6,3	2,0	0,5
Sep	94,0	93,9	96,2		4,7	3,4	4,6	
Oct	96,6	88,9	90,6		2,8	-5,3	-5,8	
Nov	94,4	93,8	91,6		-2,3	5,5	1,1	
Dec	95,8	94,5	91,6		1,5	0,7	0,0	

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

Manufacturing division and major group	Weight	Mar-23	Apr-23	May-23	¹ Jun-23	¹ Jul-23	¹ Aug-23
Food and beverages	20,75	104,7	95,8	97,5	102,0	90,4	98,6
Meat, fish, fruit, etc.	3,27	116,1	95,8	109,2	111,2	105,8	109,1
Dairy products	1,39	106,0	96,3	102,5	96,6	86,5	95,7
Grain mill products	1,68	108,1	93,1	109,1	103,5	103,9	103,4
Other food products	7,75	91,0	95,4	86,0	105,1	84,0	93,5
Beverages	6,66	113,8	96,9	101,3	94,5	87,7	98,8
Textiles, clothing, leather and footwear	4,26	93,7	84,5	93,1	92,8	94,9	92,6
Textiles	1,08	110,8	91,0	114,3	114,3	106,1	107,0
Other textile products	0,61	93,2	85,6	84,5	91,2	87,9	84,5
Knitted, crocheted articles	0,06	85,4	80,5	88,2	80,2	91,1	112,0
Wearing apparel	1,98	85,3	81,8	85,1	82,3	89,7	85,7
Leather and leather products	0,27	86,0	72,1	81,0	81,3	90,2	77,8
Footwear	0,25	97,8	89,3	99,8	102,2	111,4	116,7
Wood and wood products, paper, publishing and printing	10,63	91,3	79,5	83,1	91,8	94,7	106,4
Sawmilling and planing of wood	0,87	84,2	86,1	93,9	103,9	105,1	111,1
Products of wood	0,88	105,4	94,8	104,6	101,8	120,1	128,3
Paper and paper products	5,34	99,2	82,8	82,3	94,0	93,3	100,3
Publishing	2,18	71,6	62,3	72,1	80,1	84,4	114,0
Printing, recorded media	1,35	87,4	80,1	82,7	87,8	93,4	101,0
Petroleum, chemical products, rubber and plastic products	24,95	82,0	76,8	76,7	77,8	78,7	80,4
Coke, petroleum products and nuclear fuel	11,85	63,3	64,6	53,8	55,9	62,3	58,4
Basic chemicals	3,50	101,6	97,8	102,0	103,5	95,3	106,3
Other chemical products	6,64	94,7	82,0	94,9	94,1	88,1	93,2
Rubber products	0,76	111,0	89,1	85,7	97,5	103,4	103,6
Plastic products	2,20	102,8	89,5	102,3	98,8	104,0	111,3
Glass and non-metallic mineral products	3,24	96,4	91,2	110,5	99,4	104,7	105,1
Glass and glass products	0,49	105,5	96,4	104,0	99,9	99,6	96,0
Non-metallic mineral products	2,75	94,7	90,3	111,7	99,3	105,6	106,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,73	104,2	93,8	104,0	104,6	95,4	107,8
Basic iron and steel products	2,92	93,4	91,8	82,3	77,8	76,4	81,5
Non-ferrous metal products	3,32	89,6	83,0	94,3	92,3	82,8	94,1
Structural metal products	1,99	113,1	96,6	98,5	101,1	101,2	118,5
Other fabricated metal products	3,53	105,6	89,5	112,6	112,9	108,7	113,3
General purpose machinery	3,42	113,4	102,9	119,5	120,5	102,0	120,8
Special purpose machinery	3,85	110,1	98,2	109,5	114,7	97,4	117,3
Household appliances	0,70	109,6	99,3	107,3	108,6	108,4	108,6
Electrical machinery	2,21	111,1	100,2	113,8	110,6	107,6	108,1
Radio, television and communication apparatus and professional equipment	1,07	111,9	94,0	103,7	100,7	103,5	94,3
Radio, television and communication apparatus	0,04	103,5	79,1	80,4	86,9	78,6	93,2
Professional equipment	1,03	112,3	94,6	104,7	101,3	104,5	94,3
Motor vehicles, parts and accessories and other transport equipment	8,89	118,6	92,6	107,0	110,1	112,0	114,2
Motor vehicles	2,78	113,8	84,1	102,6	104,7	115,7	115,8
Bodies for motor vehicles, trailers and semi-trailers	0,73	122,5	93,3	118,7	125,6	115,1	124,3
Parts and accessories	3,97	118,9	103,7	115,5	118,0	120,4	121,6
Other transport equipment	1,40	125,4	77,3	85,5	90,2	79,4	84,4
Furniture and other manufacturing	4,27	86,0	82,1	87,8	92,1	94,9	87,6
Furniture	0,78	94,8	82,0	90,4	93,4	89,7	94,5
Other manufacturing groups	3,49	84,1	82,1	87,2	91,8	96,0	86,1
Total	100	97,4	87,5	93,2	95,4	92,2	97,7

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	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23
Food and beverages	3,4	4,9	0,9	6,3	-4,0	-3,0
Meat, fish, fruit, etc.	5,2	-2,4	5,2	13,2	4,5	4,1
Dairy products	21,1	13,8	31,7	22,1	-3,0	2,9
Grain mill products	2,7	1,2	7,7	2,8	6,7	-1,1
Other food products	11,4	2,4	-5,5	14,9	-9,6	-5,9
Beverages	-6,4	11,5	-1,1	-7,7	-5,2	-5,0
Textiles, clothing, leather and footwear	-12,3	1,4	0,8	7,0	0,4	-2,3
Textiles	-9,5	-12,8	-3,3	2,2	-7,0	-4,9
Other textile products	-12,3	0,6	0,7	5,6	-2,2	-8,6
Knitted, crocheted articles	2,9	14,3	-9,4	-6,2	2,9	16,1
Wearing apparel	-18,5	10,5	4,5	17,4	7,4	4,1
Leather and leather products	-2,4	3,3	-11,6	-15,9	-4,2	-21,1
Footwear	13,9	11,5	13,8	2,8	1,3	-1,6
Wood and wood products, paper, publishing and printing	0,8	2,3	0,7	0,4	7,0	3,4
Sawmilling and planing of wood	2,6	4,7	4,0	13,2	14,1	-0,4
Products of wood	8,0	6,0	6,7	6,2	11,9	21,8
Paper and paper products	0,8	4,0	-1,0	-4,8	4,7	1,6
Publishing	-1,8	-4,4	3,3	14,9	13,1	6,8
Printing, recorded media	-1,8	0,0	-3,5	-6,8	-0,4	-4,6
Petroleum, chemical products, rubber and plastic products	-8,9	2,7	-3,4	2,0	7,2	7,2
Coke, petroleum products and nuclear fuel	-15,6	12,3	4,5	20,5	38,8	15,9
Basic chemicals	-6,7	-4,8	-12,7	-9,1	-12,6	-0,2
Other chemical products	-7,1	-2,3	-7,6	-6,1	-5,0	4,0
Rubber products	15,0	-2,8	-7,8	0,1	6,9	12,9
Plastic products	0,4	-1,3	7,3	0,9	0,5	3,5
Glass and non-metallic mineral products	-8,6	-1,1	1,0	-4,1	1,7	-4,4
Glass and glass products	7,2	-3,4	-3,1	0,9	0,2	-15,9
Non-metallic mineral products	-11,3	-0,6	1,7	-5,1	2,0	-2,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	0,3	4,1	7,3	7,2	-1,5	4,0
Basic iron and steel products	4,6	0,5	-3,7	3,7	-14,2	-1,3
Non-ferrous metal products	-10,2	-6,3	5,7	11,5	0,4	-3,6
Structural metal products	4,5	34,7	14,1	-1,4	8,5	8,6
Other fabricated metal products	-5,1	2,9	16,3	13,9	6,8	1,2
General purpose machinery	8,5	15,7	2,6	3,9	-9,5	4,0
Special purpose machinery	0,8	-4,0	10,6	7,4	-0,5	13,3
Household appliances	6,4	0,8	1,7	7,3	7,8	3,8
Electrical machinery	-0,8	1,7	16,6	17,0	14,0	13,0
Radio, television and communication apparatus and professional equipment	0,3	4,4	2,9	-4,1	4,2	-12,1
Radio, television and communication apparatus	30,8	29,9	14,2	3,6	19,6	-0,6
Professional equipment	-0,6	3,7	2,5	-4,3	3,8	-12,6
Motor vehicles, parts and accessories and other transport equipment	4,9	5,1	14,7	19,0	9,5	-0,8
Motor vehicles	-7,0	7,0	17,3	36,7	36,1	-0,6
Bodies for motor vehicles, trailers and semi-trailers	5,2	-14,2	-0,3	-11,9	-10,6	3,1
Parts and accessories	12,1	11,9	22,5	23,9	3,2	-1,5
Other transport equipment	11,0	-6,8	-3,1	-0,3	-3,1	-1,6
Furniture and other manufacturing	-2,3	4,7	-9,5	3,4	-3,7	-3,1
Furniture	7,4	7,2	0,9	3,3	7,2	7,9
Other manufacturing groups	-4,2	4,1	-11,7	3,4	-5,7	-5,4
Total	-1,7	3,6	2,5	5,8	2,2	1,6

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

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	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Month-on-month % change
Food and beverages	20,75	102,9	98,5	102,2	97,1	94,8	-2,4
Meat, fish, fruit, etc.	3,27	104,1	106,9	110,3	110,1	109,5	-0,5
Dairy products	1,39	103,8	110,2	105,6	93,4	97,0	3,9
Grain mill products	1,68	102,4	104,9	102,8	102,9	100,5	-2,3
Other food products	7,75	95,4	83,1	93,7	84,2	82,8	-1,7
Beverages	6,66	110,9	108,3	107,3	104,9	99,5	-5,1
Textiles, clothing, leather and footwear	4,26	90,6	92,3	93,9	91,4	90,8	-0,7
Textiles	1,08	96,6	106,2	108,9	101,0	104,5	3,5
Other textile products	0,61	92,5	87,3	89,8	91,6	86,8	-5,2
Knitted, crocheted articles	0,06	85,3	84,4	83,0	91,3	95,0	4,1
Wearing apparel	1,98	87,5	85,9	87,8	84,9	84,5	-0,5
Leather and leather products	0,27	76,8	83,3	83,1	90,2	80,5	-10,8
Footwear	0,25	101,2	107,8	101,5	101,8	101,5	-0,3
Wood and wood products, paper, publishing and printing	10,63	92,0	90,8	92,4	96,9	99,0	2,2
Sawmilling and planing of wood	0,87	96,5	91,0	98,6	100,7	102,0	1,3
Products of wood	0,88	105,6	109,0	104,2	114,3	119,6	4,6
Paper and paper products	5,34	94,7	89,7	91,4	96,4	96,7	0,3
Publishing	2,18	76,9	85,6	87,9	90,7	98,4	8,5
Printing, recorded media	1,35	93,9	91,7	92,5	94,9	94,1	-0,8
Petroleum, chemical products, rubber and plastic products	24,95	83,0	78,5	78,2	78,2	77,5	-0,9
Coke, petroleum products and nuclear fuel	11,85	67,8	59,6	60,1	60,4	56,7	-6,1
Basic chemicals	3,50	101,7	100,4	98,9	96,3	102,0	5,9
Other chemical products	6,64	92,4	91,2	90,1	90,0	89,5	-0,6
Rubber products	0,76	99,3	83,8	92,2	96,7	99,7	3,1
Plastic products	2,20	101,1	105,1	102,1	103,6	106,7	3,0
Glass and non-metallic mineral products	3,24	99,8	103,6	98,7	101,9	99,3	-2,6
Glass and glass products	0,49	104,3	102,8	105,5	101,3	91,3	-9,9
Non-metallic mineral products	2,75	98,9	103,7	97,5	102,0	100,8	-1,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,73	97,5	100,5	100,8	96,0	103,0	7,3
Basic iron and steel products	2,92	86,4	79,6	82,2	80,8	85,1	5,3
Non-ferrous metal products	3,32	86,1	89,8	90,7	88,2	90,2	2,3
Structural metal products	1,99	105,6	100,0	95,7	99,4	107,1	7,7
Other fabricated metal products	3,53	94,7	110,5	110,9	105,6	109,2	3,4
General purpose machinery	3,42	110,1	111,7	110,6	100,4	111,6	11,2
Special purpose machinery	3,85	102,0	106,4	107,3	97,4	111,6	14,6
Household appliances	0,70	101,9	101,7	107,3	109,3	106,6	-2,5
Electrical machinery	2,21	106,0	107,5	104,9	110,0	104,4	-5,1
Radio, television and communication apparatus and professional equipment	1,07	101,8	104,2	98,9	103,3	96,7	-6,4
Radio, television and communication apparatus	0,04	96,4	94,0	94,1	92,8	93,2	0,4
Professional equipment	1,03	102,0	104,6	99,1	103,7	96,8	-6,7
Motor vehicles, parts and accessories and other transport equipment	8,89	99,9	105,4	107,2	105,5	104,8	-0,7
Motor vehicles	2,78	97,2	102,7	104,4	106,2	99,0	-6,8
Bodies for motor vehicles, trailers and semi-trailers	0,73	95,1	112,9	110,4	107,3	116,5	8,6
Parts and accessories	3,97	106,3	110,3	114,0	111,1	112,4	1,2
Other transport equipment	1,40	89,6	92,7	91,9	87,1	88,4	1,5
Furniture and other manufacturing	4,27	95,7	88,3	89,7	89,8	85,6	-4,7
Furniture	0,78	97,0	90,0	92,1	93,0	90,0	-3,2
Other manufacturing groups	3,49	95,5	88,0	89,2	89,0	84,6	-4,9
Total	100	94,6	93,4	94,4	92,8	93,3	0,5

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

Month	2017	2018	2019	2020	2021	2022	2023 ¹
Jan	161 326	168 405	184 367	183 792	180 331	204 747	224 556
Feb	176 230	187 805	199 110	203 921	208 150	231 366	251 334
Mar	197 373	199 906	217 518	203 878	240 394	261 866	293 633
Apr	171 351	179 170	206 463	98 652	217 839	225 651	254 968
May	194 792	208 652	216 544	146 780	223 726	251 557	272 232
Jun	198 191	208 167	216 629	179 335	230 146	253 134	275 741
Jul	189 719	211 387	220 618	193 289	199 186	247 382	270 224
Aug	201 775	218 759	229 429	199 602	221 163	258 747	288 698
Sep	203 735	222 257	220 821	214 935	233 199	275 555	
Oct	213 493	240 466	240 720	235 300	231 408	267 185	
Nov	231 283	244 716	238 778	239 432	259 583	288 469	
Dec	188 321	197 482	191 072	197 868	218 714	238 243	
Total	2 327 589	2 487 172	2 582 069	2 296 784	2 663 839	3 003 902	

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	9,5	-0,3	-1,9	13,5	9,7	9,7
Feb	6,6	6,0	2,4	2,1	11,2	8,6	9,1
Mar	1,3	8,8	-6,3	17,9	8,9	12,1	10,3
Apr	4,6	15,2	-52,2	120,8	3,6	13,0	10,9
May	7,1	3,8	-32,2	52,4	12,4	8,2	10,3
Jun	5,0	4,1	-17,2	28,3	10,0	8,9	10,1
Jul	11,4	4,4	-12,4	3,1	24,2	9,2	10,0
Aug	8,4	4,9	-13,0	10,8	17,0	11,6	10,2
Sep	9,1	-0,6	-2,7	8,5	18,2		
Oct	12,6	0,1	-2,3	-1,7	15,5		
Nov	5,8	-2,4	0,3	8,4	11,1		
Dec	4,9	-3,2	3,6	10,5	8,9		
Total	6,9	3,8	-11,0	16,0	12,8		

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	212 527	212 512	242 288	262 445	2,9	-0,8	3,3	0,1
Feb	216 156	220 753	246 403	267 528	1,7	3,9	1,7	1,9
Mar	199 184	231 532	250 427	278 498	-7,9	4,9	1,6	4,1
Apr	105 275	230 636	241 005	277 407	-47,1	-0,4	-3,8	-0,4
May	147 306	226 505	251 129	269 829	39,9	-1,8	4,2	-2,7
Jun	176 171	225 882	249 140	269 184	19,6	-0,3	-0,8	-0,2
Jul	189 111	198 212	248 357	273 065	7,3	-12,2	-0,3	1,4
Aug	197 148	216 923	251 040	279 858	4,2	9,4	1,1	2,5
Sep	205 229	222 544	260 584		4,1	2,6	3,8	
Oct	213 181	213 264	249 016		3,9	-4,2	-4,4	
Nov	214 679	230 349	256 479		0,7	8,0	3,0	
Dec	214 217	234 602	262 167		-0,2	1,8	2,2	

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

Manufacturing division and major group	Mar-23	Apr-23	May-23	¹ Jun-23	¹ Jul-23	¹ Aug-23
Food and beverages	66 425	63 178	65 447	60 251	59 583	63 041
Meat, fish, fruit, etc.	18 971	16 697	19 147	19 286	19 055	19 442
Dairy products	6 318	5 714	6 140	5 711	5 534	5 881
Grain mill products	12 528	11 545	12 533	12 236	11 898	11 804
Other food products	11 344	14 708	12 823	8 954	9 892	11 125
Beverages	17 264	14 514	14 805	14 064	13 204	14 789
Textiles, clothing, leather and footwear	6 188	5 772	6 287	6 255	6 465	6 519
Textiles	972	849	1 077	1 012	950	1 047
Other textile products	1 804	1 659	1 740	1 822	1 751	1 732
Knitted, crocheted articles	231	199	225	204	238	283
Wearing apparel	1 829	1 853	1 932	1 865	2 058	1 947
Leather and leather products	591	454	508	523	540	516
Footwear	760	758	804	828	927	994
Wood and wood products, paper, publishing and printing	18 904	14 522	16 518	17 840	18 013	19 691
Sawmilling and planing of wood	1 446	1 377	1 478	1 505	1 531	1 645
Products of wood	2 037	1 929	2 281	2 140	2 394	2 420
Paper and paper products	10 743	7 230	8 399	9 494	9 291	9 774
Publishing	1 523	1 361	1 568	1 759	1 833	2 504
Printing, recorded media	3 155	2 626	2 792	2 943	2 964	3 348
Petroleum, chemical products, rubber and plastic products	58 272	53 786	53 551	57 166	52 711	62 393
Coke, petroleum products and nuclear fuel	20 705	20 815	16 472	20 572	18 008	23 231
Basic chemicals	11 301	10 590	11 086	11 175	9 584	12 645
Other chemical products	15 442	13 469	15 687	15 492	14 499	15 477
Rubber products	2 282	1 833	2 010	2 003	2 174	2 282
Plastic products	8 543	7 080	8 295	7 924	8 447	8 758
Glass and non-metallic mineral products	7 204	6 840	7 620	7 289	7 595	7 891
Glass and glass products	1 607	1 371	1 416	1 411	1 358	1 494
Non-metallic mineral products	5 597	5 469	6 204	5 878	6 237	6 396
Basic iron and steel, non-ferrous metal products, metal products and machinery	63 373	54 787	61 643	62 392	57 711	61 548
Basic iron and steel products	16 192	14 207	13 138	14 995	13 565	14 283
Non-ferrous metal products	17 179	15 067	17 625	15 781	14 334	14 174
Structural metal products	4 923	4 015	4 357	4 313	4 358	5 015
Other fabricated metal products	9 162	7 865	10 122	10 294	9 575	10 275
General purpose machinery	6 199	5 595	6 461	6 591	5 676	6 795
Special purpose machinery	8 252	6 679	8 485	8 949	8 768	9 528
Household appliances	1 465	1 359	1 454	1 468	1 436	1 479
Electrical machinery	7 580	6 502	7 692	7 616	7 824	7 103
Radio, television and communication apparatus and professional equipment	2 739	2 196	2 349	2 362	2 228	2 401
Radio, television and communication apparatus	1 233	985	929	966	1 050	1 165
Professional equipment	1 506	1 211	1 420	1 396	1 178	1 236
Motor vehicles, parts and accessories and other transport equipment	52 298	37 137	40 540	43 892	47 083	47 598
Motor vehicles	33 643	23 266	23 317	26 696	29 657	28 364
Bodies for motor vehicles, trailers and semi-trailers	1 959	1 445	1 938	2 004	1 808	2 046
Parts and accessories	12 672	9 939	12 572	12 338	13 099	14 487
Other transport equipment	4 025	2 486	2 713	2 854	2 518	2 701
Furniture and other manufacturing	10 649	10 247	10 585	10 678	11 011	10 512
Furniture	1 678	1 556	1 622	1 671	1 635	1 753
Other manufacturing groups	8 971	8 691	8 963	9 007	9 376	8 759
Total	293 633	254 968	272 232	275 741	270 224	288 698

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	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23
Food and beverages	11,8	15,0	14,7	4,2	5,2	2,0
Meat, fish, fruit, etc.	4,5	0,4	7,5	8,7	10,2	5,7
Dairy products	33,9	36,3	43,9	29,2	17,4	13,4
Grain mill products	23,5	20,7	22,4	16,3	11,5	8,9
Other food products	19,3	37,5	29,0	-13,7	-6,7	-10,3
Beverages	2,3	4,8	0,2	-4,8	-1,1	-1,4
Textiles, clothing, leather and footwear	-1,2	13,3	10,6	19,2	12,0	7,8
Textiles	5,4	6,9	24,8	22,2	14,5	18,7
Other textile products	-4,1	9,8	10,8	16,6	5,9	1,6
Knitted, crocheted articles	9,5	24,4	-1,3	-1,4	13,9	22,0
Wearing apparel	-15,8	11,3	3,0	28,6	24,6	7,1
Leather and leather products	23,6	14,6	-2,5	5,4	-10,6	-2,3
Footwear	27,5	33,2	28,6	17,6	12,5	12,7
Wood and wood products, paper, publishing and printing	26,1	17,4	27,4	14,2	18,5	14,5
Sawmilling and planing of wood	32,8	32,7	33,6	29,7	9,5	14,0
Products of wood	9,3	10,8	26,0	12,0	14,7	13,0
Paper and paper products	30,7	21,5	34,2	14,6	25,5	16,4
Publishing	12,4	15,7	22,9	33,2	33,4	28,0
Printing, recorded media	28,2	6,4	11,1	-0,3	0,9	2,8
Petroleum, chemical products, rubber and plastic products	11,2	18,1	-2,1	3,6	9,9	20,5
Coke, petroleum products and nuclear fuel	27,3	48,1	-4,9	12,8	36,9	59,4
Basic chemicals	1,3	11,0	-7,2	-0,2	-13,3	9,3
Other chemical products	4,1	5,9	0,2	1,0	8,5	7,5
Rubber products	29,9	-0,1	24,1	4,3	25,7	22,4
Plastic products	1,9	-4,4	1,5	-6,9	-2,7	-6,5
Glass and non-metallic mineral products	4,5	16,4	3,5	1,6	6,1	2,5
Glass and glass products	27,4	12,4	0,0	2,7	3,5	-8,2
Non-metallic mineral products	-0,6	17,4	4,4	1,3	6,7	5,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	-4,5	1,6	-1,0	-1,8	0,1	5,4
Basic iron and steel products	-3,8	6,7	-15,4	-12,6	-2,1	4,4
Non-ferrous metal products	-21,9	-17,7	-12,2	-16,9	-18,5	-14,1
Structural metal products	14,0	31,2	20,2	-0,4	16,7	15,6
Other fabricated metal products	-1,7	3,9	16,7	13,4	10,8	9,5
General purpose machinery	25,5	32,3	16,8	18,9	2,2	16,9
Special purpose machinery	9,6	6,7	12,2	25,3	25,0	29,4
Household appliances	5,9	15,1	12,4	12,1	14,3	14,3
Electrical machinery	13,9	13,5	29,1	29,5	29,7	16,7
Radio, television and communication apparatus and professional equipment	14,8	17,9	10,1	2,8	-2,6	-2,7
Radio, television and communication apparatus	18,3	32,9	13,4	2,4	7,6	7,0
Professional equipment	12,1	7,8	8,1	3,1	-10,2	-10,4
Motor vehicles, parts and accessories and other transport equipment	43,0	18,6	23,8	38,9	21,1	25,1
Motor vehicles	56,9	20,4	16,9	46,7	17,6	21,9
Bodies for motor vehicles, trailers and semi-trailers	23,0	-0,4	13,3	-3,1	-2,6	12,9
Parts and accessories	22,9	22,2	48,2	43,2	41,4	40,1
Other transport equipment	24,7	3,2	4,0	4,4	-0,5	2,5
Furniture and other manufacturing	6,6	13,9	-0,7	22,5	12,4	13,9
Furniture	15,3	23,3	10,8	16,6	18,7	23,5
Other manufacturing groups	5,1	12,4	-2,5	23,7	11,3	12,2
Total	12,1	13,0	8,2	8,9	9,2	11,6

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

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

Manufacturing division and major group	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Month-on-month % change
Food and beverages	67 623	66 759	62 612	63 786	62 453	-2,1
Meat, fish, fruit, etc.	18 109	18 959	19 287	19 647	19 163	-2,5
Dairy products	6 215	6 412	6 131	5 941	5 879	-1,0
Grain mill products	12 359	12 167	12 127	11 838	11 653	-1,6
Other food products	14 197	12 999	8 990	10 067	9 873	-1,9
Beverages	16 744	16 222	16 077	16 292	15 886	-2,5
Textiles, clothing, leather and footwear	6 336	6 297	6 302	6 350	6 257	-1,5
Textiles	920	986	983	973	1 003	3,1
Other textile products	1 782	1 752	1 779	1 807	1 785	-1,2
Knitted, crocheted articles	217	209	211	233	242	3,9
Wearing apparel	2 021	1 983	1 971	1 968	1 837	-6,7
Leather and leather products	513	502	522	506	527	4,2
Footwear	884	864	836	863	862	-0,1
Wood and wood products, paper, publishing and printing	16 998	17 627	17 745	18 455	18 430	-0,1
Sawmilling and planing of wood	1 520	1 468	1 433	1 441	1 489	3,3
Products of wood	2 158	2 342	2 073	2 287	2 227	-2,6
Paper and paper products	8 454	8 853	9 121	9 637	9 483	-1,6
Publishing	1 727	1 896	1 991	2 082	2 125	2,1
Printing, recorded media	3 139	3 069	3 126	3 008	3 106	3,3
Petroleum, chemical products, rubber and plastic products	59 259	51 872	53 911	54 775	60 529	10,5
Coke, petroleum products and nuclear fuel	22 129	15 403	18 068	19 105	22 653	18,6
Basic chemicals	11 979	10 934	10 968	10 191	12 232	20,0
Other chemical products	15 022	15 202	14 930	14 900	15 077	1,2
Rubber products	2 036	2 033	1 872	2 145	2 197	2,4
Plastic products	8 094	8 299	8 073	8 434	8 368	-0,8
Glass and non-metallic mineral products	7 600	7 235	7 067	7 431	7 329	-1,4
Glass and glass products	1 541	1 464	1 473	1 458	1 419	-2,7
Non-metallic mineral products	6 059	5 770	5 594	5 973	5 910	-1,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	58 152	58 606	58 301	58 405	60 111	2,9
Basic iron and steel products	14 243	12 787	13 595	14 133	14 388	1,8
Non-ferrous metal products	15 399	16 545	15 125	14 845	14 908	0,4
Structural metal products	4 701	4 344	3 852	4 340	4 592	5,8
Other fabricated metal products	8 872	9 525	9 630	9 460	9 396	-0,7
General purpose machinery	5 947	6 043	6 126	5 658	6 281	11,0
Special purpose machinery	7 596	7 963	8 565	8 510	9 070	6,6
Household appliances	1 393	1 399	1 408	1 459	1 475	1,1
Electrical machinery	7 143	7 406	7 512	7 812	6 914	-11,5
Radio, television and communication apparatus and professional equipment	2 525	2 476	2 424	2 375	2 407	1,3
Radio, television and communication apparatus	1 206	1 108	1 091	1 151	1 154	0,3
Professional equipment	1 319	1 367	1 333	1 224	1 253	2,4
Motor vehicles, parts and accessories and other transport equipment	41 012	41 175	42 736	42 979	44 948	4,6
Motor vehicles	25 714	23 953	25 332	25 828	26 715	3,4
Bodies for motor vehicles, trailers and semi-trailers	1 580	1 832	1 735	1 704	1 879	10,3
Parts and accessories	10 850	12 459	12 764	12 669	13 521	6,7
Other transport equipment	2 867	2 932	2 905	2 778	2 833	2,0
Furniture and other manufacturing	10 758	10 376	10 573	10 697	10 481	-2,0
Furniture	1 801	1 636	1 682	1 638	1 691	3,2
Other manufacturing groups	8 957	8 741	8 891	9 059	8 790	-3,0
Total	277 407	269 829	269 184	273 065	279 858	2,5

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 statistical business register (SBR), with enhanced coverage of South African businesses (see point 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 SBR, 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 63,7% for August 2023. The improved collection rate for July 2023 was 67,6%.</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 3 261 enterprises from a population of 31 501 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 2023 from Stats SA's statistical business register (SBR). 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 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 groups 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 groups 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	2 248 526	17 500 000
Small	3	20 400 001	52 000 000
Medium	2	52 000 001	204 000 000
Large	1	204 000 001	

- 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 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 – August 2023

	Lower limit (R million)	Estimate (R million)	Upper limit (R million)	Relative standard error (RSE) %
Total sales	285 007	288 698	292 388	0,7

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 <i>System of National Accounts (SNA)</i> in the same way as in the <i>Standard Industrial Classification of All Economic Activities (SIC)</i> , 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, assembly or other services rendered.																										
Symbols and abbreviations	<table><tr><td>GDP</td><td>Gross domestic product</td></tr><tr><td>IMF</td><td>International Monetary Fund</td></tr><tr><td>ISIC</td><td>International Standard Industrial Classification</td></tr><tr><td>LSS</td><td>Large sample survey</td></tr><tr><td>NA</td><td>National accounts</td></tr><tr><td>PPI</td><td>Producer price index</td></tr><tr><td>SARS</td><td>South African Revenue Service</td></tr><tr><td>SBR</td><td>Statistical business register</td></tr><tr><td>SDDS</td><td>Special Data Dissemination Standard</td></tr><tr><td>SIC</td><td>Standard Industrial Classification of All Economic Activities</td></tr><tr><td>Stats SA</td><td>Statistics South Africa</td></tr><tr><td>VAT</td><td>Value-added tax</td></tr><tr><td>*</td><td>Revised figures</td></tr></table>	GDP	Gross domestic product	IMF	International Monetary Fund	ISIC	International Standard Industrial Classification	LSS	Large sample survey	NA	National accounts	PPI	Producer price index	SARS	South African Revenue Service	SBR	Statistical business register	SDDS	Special Data Dissemination Standard	SIC	Standard Industrial Classification of All Economic Activities	Stats SA	Statistics South Africa	VAT	Value-added tax	*	Revised figures
GDP	Gross domestic product																										
IMF	International Monetary Fund																										
ISIC	International Standard Industrial Classification																										
LSS	Large sample survey																										
NA	National accounts																										
PPI	Producer price index																										
SARS	South African Revenue Service																										
SBR	Statistical business register																										
SDDS	Special Data Dissemination Standard																										
SIC	Standard Industrial Classification of All Economic Activities																										
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 12 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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You can visit us on the internet at: www.statssa.gov.za.

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