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Production: results for November 2022**Table A – Key growth rates in the volume of manufacturing production**

	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22
Year-on-year % change, unadjusted	-3,7	4,0	2,0	3,0	1,0	-1,1
Month-on-month % change, seasonally adjusted	-2,3	0,3	2,2	4,6	-6,2	2,0
3-month % change, seasonally adjusted ¹	-5,4	-4,1	-2,7	2,0	2,5	2,4

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

Manufacturing production decreased by 1,1% in November 2022 compared with November 2021. The largest negative contributions were made by the following divisions:

- food and beverages (-2,5% and contributing -0,6 of a percentage point);
- wood and wood products, paper, publishing and printing (-4,5% and contributing -0,5 of a percentage point); and
- petroleum, chemical products, rubber and plastic products (-2,5% and contributing -0,5 of a percentage point).

The largest positive contribution was made by the motor vehicles, parts and accessories and other transport equipment division (13,4% and contributing 1,3 percentage points) – see Tables 5 and 6.

Seasonally adjusted manufacturing production increased by 2,0% in November 2022 compared with October 2022. This followed month-on-month changes of -6,2% in October 2022 and 4,6% in September 2022 – see Table A.

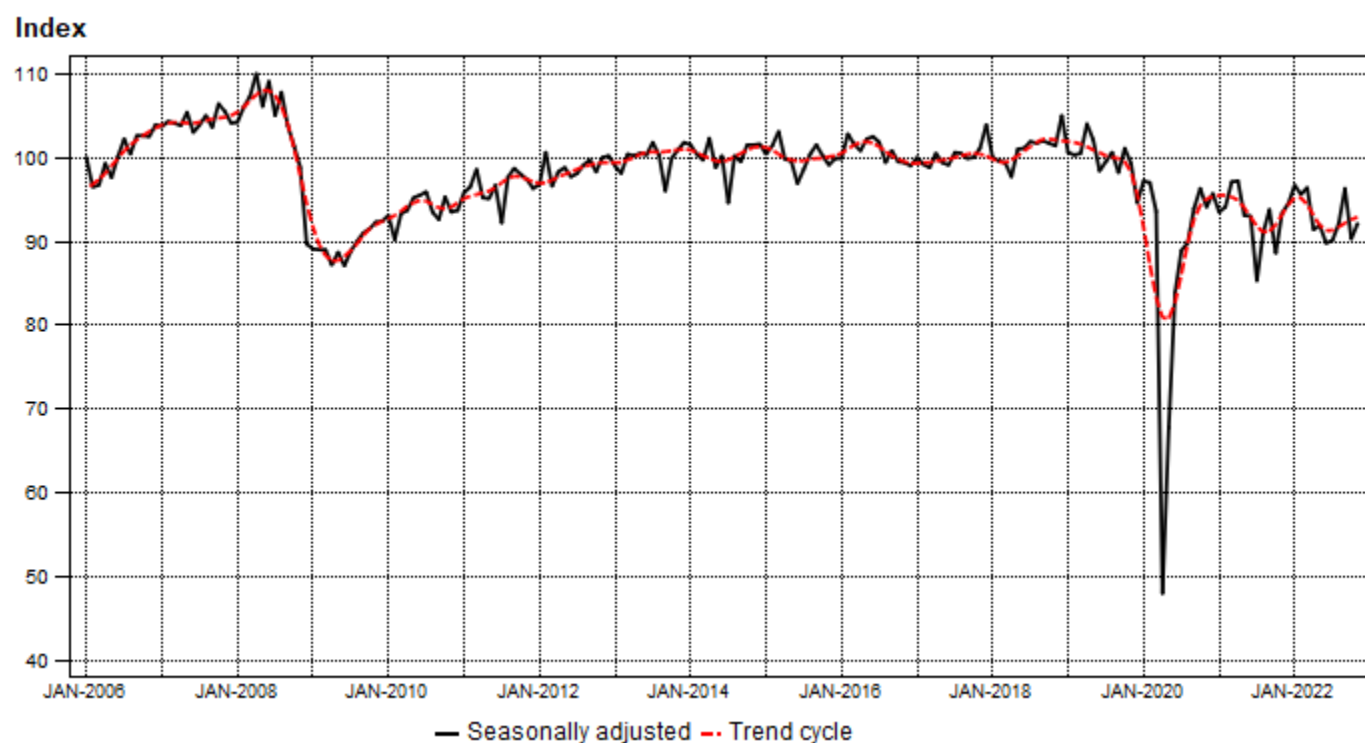
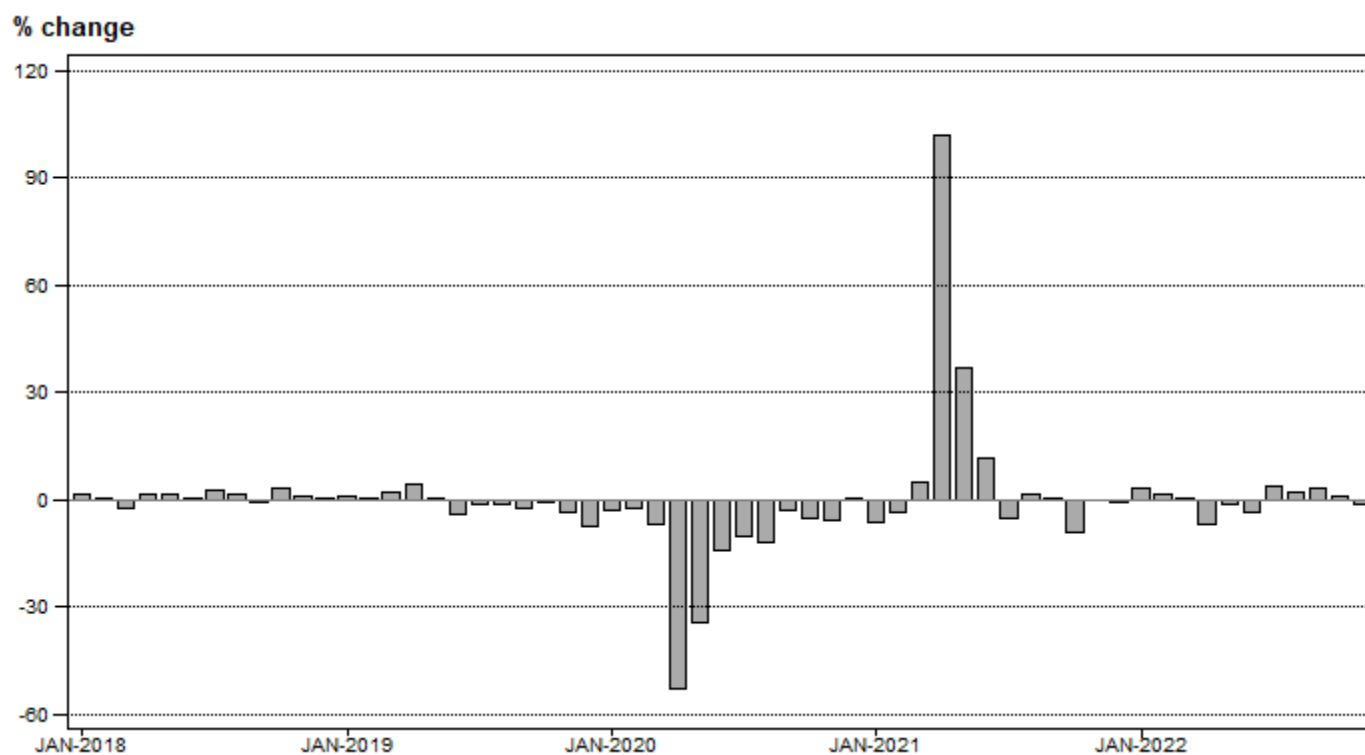
Seasonally adjusted manufacturing production increased by 2,4% in the three months ended November 2022 compared with the previous three months. Seven of the ten manufacturing divisions reported positive growth rates over this period.

The largest contributions were made by the following divisions:

- motor vehicles, parts and accessories and other transport equipment (20,6% and contributing 2,0 percentage points); and
- food and beverages (2,2% and contributing 0,5 of a percentage point) – see Table B.

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

Manufacturing division and major group	Weights	Jun – Aug 2022	Sep – Nov 2022	% change between Jun – Aug 2022 and Sep – Nov 2022	Contribution (% points) to the total % change
Food and beverages	20,75	98,7	100,9	2,2	0,5
Meat, fish, fruit, etc.	3,27	102,8	106,5	3,6	0,1
Dairy products	1,39	91,9	96,3	4,8	0,1
Grain mill products	1,68	99,1	98,8	-0,3	0,0
Other food products	7,75	86,7	95,1	9,7	0,7
Beverages	6,66	112,1	106,2	-5,3	-0,4
Textiles, clothing, leather and footwear	4,26	90,8	93,0	2,4	0,1
Textiles	1,08	108,6	99,9	-8,0	-0,1
Other textile products	0,61	91,5	96,6	5,6	0,0
Knitted, crocheted articles	0,06	87,4	92,2	5,5	0,0
Wearing apparel	1,98	78,7	86,7	10,2	0,2
Leather and leather products	0,27	99,2	94,7	-4,5	0,0
Footwear	0,25	100,5	102,9	2,4	0,0
Wood and wood products, paper, publishing and printing	10,63	92,9	94,2	1,4	0,2
Sawmilling and planing of wood	0,87	93,6	95,2	1,7	0,0
Products of wood	0,88	99,1	104,2	5,1	0,0
Paper and paper products	5,34	94,5	99,0	4,8	0,3
Publishing	2,18	82,7	79,3	-4,1	-0,1
Printing, recorded media	1,35	98,5	92,4	-6,2	-0,1
Petroleum, chemical products, rubber and plastic products	24,95	73,8	73,6	-0,3	-0,1
Coke, petroleum products and nuclear fuel	11,85	47,0	48,8	3,8	0,2
Basic chemicals	3,50	108,2	99,4	-8,1	-0,3
Other chemical products	6,64	92,5	92,9	0,4	0,0
Rubber products	0,76	89,7	97,8	9,0	0,1
Plastic products	2,20	102,0	99,7	-2,3	-0,1
Glass and non-metallic mineral products	3,24	101,7	104,8	3,0	0,1
Glass and glass products	0,49	104,0	104,0	0,0	0,0
Non-metallic mineral products	2,75	101,3	104,9	3,6	0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,73	97,1	95,6	-1,5	-0,3
Basic iron and steel products	2,92	86,0	84,1	-2,2	-0,1
Non-ferrous metal products	3,32	87,2	90,5	3,8	0,1
Structural metal products	1,99	94,9	100,3	5,7	0,1
Other fabricated metal products	3,53	102,1	97,0	-5,0	-0,2
General purpose machinery	3,42	107,3	106,1	-1,1	0,0
Special purpose machinery	3,85	100,4	94,6	-5,8	-0,2
Household appliances	0,70	103,3	100,9	-2,3	0,0
Electrical machinery	2,21	92,2	93,7	1,6	0,0
Radio, television and communication apparatus and professional equipment	1,07	103,1	103,2	0,1	0,0
Radio, television and communication apparatus	0,04	85,8	87,7	2,2	0,0
Professional equipment	1,03	103,8	103,9	0,1	0,0
Motor vehicles, parts and accessories and other transport equipment	8,89	97,2	117,2	20,6	2,0
Motor vehicles	2,78	84,1	103,4	22,9	0,6
Bodies for motor vehicles, trailers and semi-trailers	0,73	120,2	117,2	-2,5	0,0
Parts and accessories	3,97	105,1	133,2	26,7	1,2
Other transport equipment	1,40	88,7	99,4	12,1	0,2
Furniture and other manufacturing	4,27	88,9	88,3	-0,7	0,0
Furniture	0,78	84,6	83,0	-1,9	0,0
Other manufacturing groups	3,49	89,9	89,5	-0,4	0,0
Total	100	90,7	92,9	2,4	2,4

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 November 2022

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

	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22
Year-on-year % change, unadjusted	10,0	24,1	17,0	18,3	15,3	11,8
Month-on-month % change, seasonally adjusted	-0,7	0,3	1,1	4,0	-4,9	3,4
3-month % change, seasonally adjusted ¹	0,1	1,3	0,8	3,0	2,0	2,5

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

Seasonally adjusted manufacturing sales increased by 3,4% in November 2022 compared with October 2022. This followed month-on-month changes of -4,9% in October 2022 and 4,0% in September 2022 – see Table C.

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

Manufacturing division	Jun – Aug 2022 (R million)	Sep – Nov 2022 (R million)	% change between Jun – Aug 2022 and Sep – Nov 2022	Contribution (% points) to the total % change
Food and beverages	180 987	185 811	2,7	0,7
Textiles, clothing, leather and footwear	16 074	17 462	8,6	0,2
Wood and wood products, paper, publishing and printing	46 457	49 797	7,2	0,4
Petroleum, chemical products, rubber and plastic products	153 110	157 939	3,2	0,7
Glass and non-metallic mineral products	23 769	24 766	4,2	0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	171 438	160 055	-6,6	-1,5
Electrical machinery	17 210	17 561	2,0	0,0
Radio, television and communication apparatus and professional equipment	7 656	7 613	-0,6	0,0
Motor vehicles, parts and accessories and other transport equipment	100 955	115 136	14,0	1,9
Furniture and other manufacturing	27 067	27 437	1,4	0,1
Total	744 720	763 575	2,5	2,5

Seasonally adjusted manufacturing sales increased by 2,5% in the three months ended November 2022 compared with the previous three months.

The largest positive contribution was made by the motor vehicles, parts and accessories and other transport equipment division (14,0% and contributing 1,9 percentage points).

The largest negative contribution was made by the basic iron and steel, non-ferrous metal products, metal products and machinery division (-6,6% 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	2016	2017	2018	2019	2020	2021	2022 ¹
Jan	84,8	85,7	87,1	88,0	85,6	80,3	82,8
Feb	98,2	94,3	94,5	94,9	92,4	89,3	90,9
Mar	101,5	101,5	98,9	101,2	94,4	98,9	99,1
Apr	95,5	90,5	91,9	95,8	45,0	91,0	84,5
May	101,2	100,1	101,8	102,0	67,0	91,9	90,9
Jun	104,0	101,5	101,9	97,8	83,8	93,7	90,2
Jul	102,2	100,6	103,2	101,8	91,3	86,7	90,2
Aug	103,7	105,0	106,6	105,2	92,8	94,3	96,2
Sep	107,8	105,4	104,9	102,6	99,3	99,8	102,8
Oct	107,6	109,8	113,4	112,7	106,8	97,3	98,3
Nov	112,1	114,0	115,3	111,0	104,7	104,7	103,6
Dec	91,1	93,2	93,7	86,8	87,3	86,7	
Total	100,8	100,1	101,1	100,0	87,5	92,9	

¹ The latest three months are preliminary.

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

Month	2017	2018	2019	2020	2021	2022	2022 year-to-date
Jan	1,1	1,6	1,0	-2,7	-6,2	3,1	3,1
Feb	-4,0	0,2	0,4	-2,6	-3,4	1,8	2,5
Mar	0,0	-2,6	2,3	-6,7	4,8	0,2	1,6
Apr	-5,2	1,5	4,2	-53,0	102,2	-7,1	-0,7
May	-1,1	1,7	0,2	-34,3	37,2	-1,1	-0,8
Jun	-2,4	0,4	-4,0	-14,3	11,8	-3,7	-1,3
Jul	-1,6	2,6	-1,4	-10,3	-5,0	4,0	-0,6
Aug	1,3	1,5	-1,3	-11,8	1,6	2,0	-0,2
Sep	-2,2	-0,5	-2,2	-3,2	0,5	3,0	0,2
Oct	2,0	3,3	-0,6	-5,2	-8,9	1,0	0,3
Nov	1,7	1,1	-3,7	-5,7	0,0	-1,1	0,2
Dec	2,3	0,5	-7,4	0,6	-0,7		
Total	-0,7	1,0	-1,1	-12,5	6,2		

Table 3 – Seasonally adjusted volume of manufacturing production

Month	Index (Base: 2019=100)				Month-on-month % change			
	2019	2020	2021	2022	2019	2020	2021	2022
Jan	100,6	97,2	93,5	96,7	-4,2	2,7	-2,3	2,3
Feb	100,3	97,0	94,1	95,6	-0,3	-0,2	0,6	-1,1
Mar	100,5	93,6	97,1	96,4	0,2	-3,5	3,2	0,8
Apr	104,0	48,0	97,2	91,4	3,5	-48,7	0,1	-5,2
May	102,1	67,8	93,1	91,9	-1,8	41,2	-4,2	0,5
Jun	98,4	83,9	93,0	89,8	-3,6	23,7	-0,1	-2,3
Jul	99,5	88,9	85,3	90,1	1,1	6,0	-8,3	0,3
Aug	100,6	89,8	91,0	92,1	1,1	1,0	6,7	2,2
Sep	98,2	93,9	93,8	96,3	-2,4	4,6	3,1	4,6
Oct	101,1	96,3	88,6	90,3	3,0	2,6	-5,5	-6,2
Nov	99,3	94,1	93,4	92,1	-1,8	-2,3	5,4	2,0
Dec	94,6	95,7	94,5		-4,7	1,7	1,2	

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

Manufacturing division and major group	Weights	Jun-22	Jul-22	Aug-22	¹ Sep-22	¹ Oct-22	¹ Nov-22
Food and beverages	20,75	96,0	94,2	101,7	118,0	105,1	110,7
Meat, fish, fruit, etc.	3,27	98,2	101,2	104,8	108,8	105,5	118,9
Dairy products	1,39	79,1	89,2	93,0	103,4	110,1	108,1
Grain mill products	1,68	100,7	97,4	104,5	99,7	104,7	107,1
Other food products	7,75	91,5	92,9	99,4	113,1	100,0	102,5
Beverages	6,66	102,4	92,5	104,0	135,8	110,0	117,8
Textiles, clothing, leather and footwear	4,26	86,7	94,5	94,8	100,4	107,1	113,0
Textiles	1,08	111,8	114,1	112,5	109,5	107,2	116,5
Other textile products	0,61	86,4	89,9	92,5	103,6	114,5	116,0
Knitted, crocheted articles	0,06	85,5	88,5	96,5	104,6	103,5	104,0
Wearing apparel	1,98	70,1	83,5	82,3	92,4	104,9	109,5
Leather and leather products	0,27	96,7	94,2	98,6	103,2	95,9	105,3
Footwear	0,25	99,4	110,0	118,6	112,6	118,8	129,6
Wood and wood products, paper, publishing and printing	10,63	91,4	88,5	102,9	110,8	100,7	108,3
Sawmilling and planing of wood	0,87	91,8	92,1	111,6	105,6	96,4	102,9
Products of wood	0,88	95,9	107,3	105,3	114,4	121,7	120,3
Paper and paper products	5,34	98,7	89,1	98,7	113,8	101,9	109,2
Publishing	2,18	69,7	74,6	106,7	106,4	88,8	90,8
Printing, recorded media	1,35	94,2	93,8	105,9	107,1	104,1	129,0
Petroleum, chemical products, rubber and plastic products	24,95	76,3	73,4	75,0	75,9	77,9	82,7
Coke, petroleum products and nuclear fuel	11,85	46,4	44,9	50,4	46,0	53,6	53,8
Basic chemicals	3,50	113,9	109,0	106,5	106,5	99,2	108,0
Other chemical products	6,64	100,2	92,7	89,6	98,1	95,9	105,3
Rubber products	0,76	97,4	96,7	91,8	103,9	104,0	110,9
Plastic products	2,20	97,9	103,5	107,5	112,0	111,4	119,7
Glass and non-metallic mineral products	3,24	103,7	102,9	109,9	114,8	120,6	116,5
Glass and glass products	0,49	99,0	99,4	114,1	113,1	113,2	119,3
Non-metallic mineral products	2,75	104,6	103,5	109,1	115,1	121,9	116,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,73	97,6	96,9	103,7	100,7	101,5	104,5
Basic iron and steel products	2,92	75,0	89,0	82,6	84,9	88,1	82,9
Non-ferrous metal products	3,32	82,8	82,5	97,6	89,2	94,9	94,3
Structural metal products	1,99	102,5	93,3	109,1	117,3	106,5	116,9
Other fabricated metal products	3,53	99,1	101,8	112,0	109,4	104,2	113,9
General purpose machinery	3,42	116,0	112,7	116,1	117,5	113,8	116,8
Special purpose machinery	3,85	106,8	97,9	103,5	90,1	101,6	102,7
Household appliances	0,70	101,2	100,6	104,6	104,8	101,2	110,5
Electrical machinery	2,21	94,5	94,4	95,7	100,3	103,0	107,6
Radio, television and communication apparatus and professional equipment	1,07	105,0	99,3	107,3	106,6	111,2	120,7
Radio, television and communication apparatus	0,04	83,9	65,7	93,8	100,3	103,8	116,2
Professional equipment	1,03	105,9	100,7	107,9	106,9	111,5	120,9
Motor vehicles, parts and accessories and other transport equipment	8,89	92,5	102,3	115,1	137,6	117,1	125,9
Motor vehicles	2,78	76,6	85,0	116,5	136,2	96,0	116,6
Bodies for motor vehicles, trailers and semi-trailers	0,73	142,5	128,8	120,6	127,2	129,9	135,9
Parts and accessories	3,97	95,2	116,7	123,5	150,1	133,5	134,8
Other transport equipment	1,40	90,5	81,9	85,8	110,2	106,0	114,0
Furniture and other manufacturing	4,27	89,1	98,5	90,4	97,7	94,0	103,3
Furniture	0,78	90,4	83,7	87,6	93,8	96,8	115,1
Other manufacturing groups	3,49	88,8	101,8	91,0	98,5	93,4	100,7
Total	100	90,2	90,2	96,2	102,8	98,3	103,6

¹ The latest three months are preliminary.

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

Manufacturing division and major group	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22
Food and beverages	-3,8	10,3	-3,9	7,8	-3,8	-2,5
Meat, fish, fruit, etc.	-3,8	8,2	9,2	6,0	0,8	5,8
Dairy products	-6,9	-0,1	3,3	7,8	0,8	1,8
Grain mill products	4,7	-5,3	2,6	-3,8	0,4	-7,8
Other food products	-17,5	-11,0	-10,9	2,1	0,8	5,1
Beverages	14,0	70,7	-4,0	17,3	-11,5	-11,7
Textiles, clothing, leather and footwear	-4,1	10,5	3,0	-1,1	-7,0	-6,0
Textiles	-5,5	4,2	2,3	-18,3	-22,0	-14,0
Other textile products	0,5	12,9	4,2	12,5	3,0	2,4
Knitted, crocheted articles	10,9	22,4	3,7	23,6	7,0	13,8
Wearing apparel	-7,5	17,4	-1,2	3,4	-2,4	-8,4
Leather and leather products	11,3	4,8	39,3	17,8	-0,2	29,8
Footwear	-3,5	0,2	3,6	13,2	4,5	3,1
Wood and wood products, paper, publishing and printing	-3,7	2,7	2,9	-2,7	-3,6	-4,5
Sawmilling and planing of wood	-5,7	-1,7	21,7	21,5	9,9	2,5
Products of wood	-4,7	5,4	-3,2	2,9	2,3	2,6
Paper and paper products	-4,5	0,7	-4,2	3,6	0,5	-3,3
Publishing	-7,3	3,0	14,5	-25,1	-17,9	-8,9
Printing, recorded media	7,8	10,7	7,1	3,4	-7,4	-9,9
Petroleum, chemical products, rubber and plastic products	1,3	-0,9	-0,4	-10,1	-9,9	-2,5
Coke, petroleum products and nuclear fuel	-5,9	-18,8	-18,8	-21,4	-22,3	-18,0
Basic chemicals	7,9	5,0	22,6	-7,6	-0,8	8,1
Other chemical products	1,1	6,8	8,6	-8,8	-6,2	4,4
Rubber products	-2,8	15,4	-3,4	15,2	0,5	17,2
Plastic products	13,3	20,2	7,9	8,9	5,3	6,9
Glass and non-metallic mineral products	-1,2	-0,6	1,3	5,8	7,0	1,6
Glass and glass products	17,9	6,0	18,1	16,6	8,6	7,5
Non-metallic mineral products	-3,9	-1,6	-1,4	4,1	6,6	0,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	-3,4	-0,2	4,7	-2,0	13,9	-1,6
Basic iron and steel products	-18,1	-7,3	-9,1	-13,0	-6,4	-16,1
Non-ferrous metal products	-11,2	-2,6	7,1	-1,0	31,3	3,7
Structural metal products	1,0	-4,8	11,2	3,9	16,4	7,5
Other fabricated metal products	-2,2	-1,0	9,4	-0,1	17,3	-6,7
General purpose machinery	6,0	11,6	5,9	4,5	24,0	11,2
Special purpose machinery	-0,7	-4,7	2,6	-8,9	6,3	-7,0
Household appliances	5,0	25,0	10,6	7,7	8,6	5,6
Electrical machinery	-4,0	1,1	-6,5	-1,0	0,9	-6,9
Radio, television and communication apparatus and professional equipment	9,7	18,8	20,4	15,1	2,7	8,3
Radio, television and communication apparatus	7,0	0,0	6,5	0,2	-14,4	-4,6
Professional equipment	9,9	19,5	21,1	15,8	3,4	8,8
Motor vehicles, parts and accessories and other transport equipment	-16,3	11,8	20,1	43,3	23,8	13,4
Motor vehicles	-25,5	56,8	60,2	61,6	11,2	10,5
Bodies for motor vehicles, trailers and semi-trailers	18,3	16,4	10,7	2,9	19,7	11,0
Parts and accessories	-22,0	1,7	11,2	55,2	38,1	20,7
Other transport equipment	3,1	-8,4	-6,1	7,5	8,1	-0,1
Furniture and other manufacturing	-2,0	2,7	-7,9	3,6	1,2	-3,5
Furniture	10,1	-2,3	-14,0	-18,5	-10,2	-6,1
Other manufacturing groups	-4,3	3,8	-6,6	9,8	4,4	-2,8
Total	-3,7	4,0	2,0	3,0	1,0	-1,1

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

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

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

Manufacturing division and major group	Weights	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Month-on-month % change
Food and beverages	20,75	99,9	98,1	109,1	96,7	96,8	0,1
Meat, fish, fruit, etc.	3,27	105,1	104,4	106,8	104,2	108,5	4,1
Dairy products	1,39	94,5	92,4	96,0	97,1	95,8	-1,3
Grain mill products	1,68	97,9	100,3	98,4	100,4	97,7	-2,7
Other food products	7,75	89,1	88,1	101,5	92,3	91,4	-1,0
Beverages	6,66	111,5	107,4	124,4	97,0	97,3	0,3
Textiles, clothing, leather and footwear	4,26	90,0	92,3	94,2	90,2	94,6	4,9
Textiles	1,08	106,5	109,7	101,7	95,0	103,0	8,4
Other textile products	0,61	90,9	93,7	96,0	97,6	96,1	-1,5
Knitted, crocheted articles	0,06	89,6	88,5	92,5	91,8	92,4	0,7
Wearing apparel	1,98	78,1	80,0	87,5	84,8	87,7	3,4
Leather and leather products	0,27	100,3	100,8	98,5	83,3	102,3	22,8
Footwear	0,25	100,3	103,2	105,5	101,8	101,4	-0,4
Wood and wood products, paper, publishing and printing	10,63	90,7	96,9	96,5	92,9	93,3	0,4
Sawmilling and planing of wood	0,87	85,9	103,6	98,6	92,0	95,1	3,4
Products of wood	0,88	102,5	99,6	104,7	102,9	105,1	2,1
Paper and paper products	5,34	92,3	96,5	99,3	99,1	98,6	-0,5
Publishing	2,18	80,6	92,4	84,7	77,5	75,6	-2,5
Printing, recorded media	1,35	96,1	100,2	97,8	87,2	92,1	5,6
Petroleum, chemical products, rubber and plastic products	24,95	72,4	72,6	73,2	72,4	75,2	3,9
Coke, petroleum products and nuclear fuel	11,85	43,6	47,9	46,9	48,5	51,0	5,2
Basic chemicals	3,50	108,3	106,2	101,4	94,8	102,0	7,6
Other chemical products	6,64	92,9	87,1	92,9	92,0	93,9	2,1
Rubber products	0,76	89,3	89,2	98,1	95,8	99,4	3,8
Plastic products	2,20	102,2	102,7	102,2	98,2	98,6	0,4
Glass and non-metallic mineral products	3,24	100,0	103,3	106,4	104,6	103,3	-1,2
Glass and glass products	0,49	99,4	106,5	107,4	101,6	102,9	1,3
Non-metallic mineral products	2,75	100,1	102,8	106,2	105,2	103,4	-1,7
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,73	96,2	100,5	96,0	94,3	96,5	2,3
Basic iron and steel products	2,92	93,5	87,0	85,6	83,3	83,5	0,2
Non-ferrous metal products	3,32	86,0	94,4	89,2	90,7	91,7	1,1
Structural metal products	1,99	89,2	101,2	104,7	96,6	99,5	3,0
Other fabricated metal products	3,53	98,4	108,4	101,9	91,1	98,0	7,6
General purpose machinery	3,42	108,3	107,1	106,8	105,5	106,0	0,5
Special purpose machinery	3,85	96,5	101,8	88,8	96,8	98,3	1,5
Household appliances	0,70	104,3	103,5	103,4	99,4	100,0	0,6
Electrical machinery	2,21	93,8	91,3	91,5	95,1	94,4	-0,7
Radio, television and communication apparatus and professional equipment	1,07	100,1	107,2	103,3	101,7	104,7	2,9
Radio, television and communication apparatus	0,04	75,5	91,8	89,3	85,6	88,1	2,9
Professional equipment	1,03	101,2	107,9	103,8	102,4	105,4	2,9
Motor vehicles, parts and accessories and other transport equipment	8,89	95,5	105,8	131,5	108,3	111,8	3,2
Motor vehicles	2,78	78,0	97,8	124,3	85,8	100,1	16,7
Bodies for motor vehicles, trailers and semi-trailers	0,73	118,5	115,1	117,6	118,8	115,1	-3,1
Parts and accessories	3,97	106,7	115,5	150,7	125,3	123,5	-1,4
Other transport equipment	1,40	86,4	89,3	98,3	99,5	100,5	1,0
Furniture and other manufacturing	4,27	93,3	85,9	90,9	86,2	87,8	1,9
Furniture	0,78	85,5	79,9	83,2	80,6	85,3	5,8
Other manufacturing groups	3,49	95,0	87,2	92,7	87,4	88,3	1,0
Total	100	90,1	92,1	96,3	90,3	92,1	2,0

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

Month	2016	2017	2018	2019	2020	2021	2022 ¹
Jan	148 755	160 525	167 548	183 379	182 810	179 439	203 502
Feb	172 469	175 284	186 833	197 889	202 751	206 844	229 922
Mar	182 720	196 317	198 873	216 145	202 704	238 957	260 280
Apr	173 354	170 582	178 303	205 339	98 153	216 628	224 281
May	187 309	193 831	207 711	215 489	145 978	222 587	250 160
Jun	191 125	197 264	207 188	215 533	178 506	229 004	251 809
Jul	185 058	188 822	210 326	219 394	192 336	198 298	246 010
Aug	191 370	200 787	217 655	228 219	198 640	219 992	257 345
Sep	197 837	202 754	221 058	219 593	213 806	231 917	274 250
Oct	198 077	212 440	239 210	239 383	234 021	230 295	265 641
Nov	211 048	230 169	243 365	237 498	238 072	258 050	288 519
Dec	175 441	187 323	196 436	190 046	196 767	217 403	
Total	2 214 563	2 316 098	2 474 506	2 567 907	2 284 544	2 649 414	

¹ The latest three months are preliminary.

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

Month	2017	2018	2019	2020	2021	2022	2022 year-to-date
Jan	7,9	4,4	9,4	-0,3	-1,8	13,4	13,4
Feb	1,6	6,6	5,9	2,5	2,0	11,2	12,2
Mar	7,4	1,3	8,7	-6,2	17,9	8,9	11,0
Apr	-1,6	4,5	15,2	-52,2	120,7	3,5	9,0
May	3,5	7,2	3,7	-32,3	52,5	12,4	9,7
Jun	3,2	5,0	4,0	-17,2	28,3	10,0	9,8
Jul	2,0	11,4	4,3	-12,3	3,1	24,1	11,7
Aug	4,9	8,4	4,9	-13,0	10,7	17,0	12,4
Sep	2,5	9,0	-0,7	-2,6	8,5	18,3	13,1
Oct	7,3	12,6	0,1	-2,2	-1,6	15,3	13,3
Nov	9,1	5,7	-2,4	0,2	8,4	11,8	13,1
Dec	6,8	4,9	-3,3	3,5	10,5		
Total	4,6	6,8	3,8	-11,0	16,0		

Table 10 – Seasonally adjusted manufacturing sales at current prices

Month	R million				Month-on-month % change			
	2019	2020	2021	2022	2019	2020	2021	2022
Jan	214 049	211 470	211 993	241 941	-0,6	2,9	-0,6	3,6
Feb	210 875	214 398	218 446	243 355	-1,5	1,4	3,0	0,6
Mar	213 146	198 203	230 432	249 647	1,1	-7,6	5,5	2,6
Apr	221 281	104 788	229 749	240 220	3,8	-47,1	-0,3	-3,8
May	211 542	146 156	224 528	248 578	-4,4	39,5	-2,3	3,5
Jun	214 552	174 829	223 868	246 910	1,4	19,6	-0,3	-0,7
Jul	216 451	188 648	197 812	247 538	0,9	7,9	-11,6	0,3
Aug	221 083	196 593	216 096	250 272	2,1	4,2	9,2	1,1
Sep	213 131	204 683	222 206	260 274	-3,6	4,1	2,8	4,0
Oct	216 099	212 006	212 154	247 438	1,4	3,6	-4,5	-4,9
Nov	210 529	213 356	228 547	255 863	-2,6	0,6	7,7	3,4
Dec	205 547	213 247	233 512		-2,4	-0,1	2,2	

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

Manufacturing division and major group	Jun-22	Jul-22	Aug-22	¹ Sep-22	¹ Oct-22	¹ Nov-22
Food and beverages	57 693	56 519	61 720	66 217	64 735	70 265
Meat, fish, fruit, etc.	17 738	17 286	18 398	19 200	19 031	21 612
Dairy products	4 421	4 714	5 188	5 580	6 298	6 056
Grain mill products	10 415	10 567	10 731	10 903	11 488	11 966
Other food products	10 555	10 792	12 616	11 792	12 581	13 814
Beverages	14 562	13 162	14 786	18 742	15 337	16 817
Textiles, clothing, leather and footwear	5 031	5 545	5 806	6 214	6 719	7 215
Textiles	751	753	800	841	811	847
Other textile products	1 451	1 536	1 583	1 775	2 003	2 075
Knitted, crocheted articles	213	215	238	272	255	257
Wearing apparel	1 377	1 568	1 726	1 828	2 145	2 395
Leather and leather products	488	595	520	606	572	618
Footwear	750	878	940	893	933	1 024
Wood and wood products, paper, publishing and printing	15 398	14 955	16 865	19 456	17 463	19 739
Sawmilling and planing of wood	1 050	1 264	1 305	1 231	1 199	1 273
Products of wood	2 017	2 202	2 260	2 368	2 449	2 518
Paper and paper products	8 270	7 395	8 382	10 688	8 832	10 185
Publishing	1 149	1 195	1 702	1 917	1 591	1 661
Printing, recorded media	2 913	2 899	3 215	3 253	3 392	4 101
Petroleum, chemical products, rubber and plastic products	55 422	48 216	52 005	55 031	55 217	60 200
Coke, petroleum products and nuclear fuel	18 238	13 152	14 571	15 437	17 273	17 395
Basic chemicals	11 665	11 527	12 052	12 581	11 559	13 738
Other chemical products	15 245	13 285	14 313	15 544	14 695	16 802
Rubber products	1 880	1 692	1 825	1 935	1 876	2 199
Plastic products	8 394	8 561	9 244	9 536	9 815	10 067
Glass and non-metallic mineral products	8 107	8 101	8 664	9 077	9 426	9 411
Glass and glass products	1 314	1 256	1 558	1 564	1 558	1 724
Non-metallic mineral products	6 792	6 845	7 106	7 513	7 869	7 687
Basic iron and steel, non-ferrous metal products, metal products and machinery	62 297	56 430	57 160	57 606	53 274	59 427
Basic iron and steel products	16 894	13 653	13 478	13 103	11 011	12 348
Non-ferrous metal products	18 786	17 379	16 310	16 698	15 430	18 347
Structural metal products	4 621	3 982	4 630	5 009	4 584	5 124
Other fabricated metal products	8 744	8 322	9 035	9 242	8 562	9 468
General purpose machinery	5 386	5 399	5 650	5 879	5 753	5 867
Special purpose machinery	6 669	6 549	6 876	6 449	6 762	6 988
Household appliances	1 196	1 146	1 181	1 226	1 172	1 285
Electrical machinery	5 689	5 835	5 881	6 351	6 342	6 696
Radio, television and communication apparatus and professional equipment	2 460	2 446	2 634	2 814	2 685	2 928
Radio, television and communication apparatus	943	976	1 089	1 223	1 089	1 126
Professional equipment	1 516	1 469	1 545	1 592	1 597	1 802
Motor vehicles, parts and accessories and other transport equipment	31 172	38 379	37 574	41 782	40 240	42 240
Motor vehicles	18 006	24 971	23 037	24 717	24 430	24 169
Bodies for motor vehicles, trailers and semi-trailers	1 852	1 663	1 623	1 695	1 756	1 858
Parts and accessories	8 492	9 133	10 196	11 848	10 655	12 540
Other transport equipment	2 821	2 612	2 719	3 521	3 399	3 673
Furniture and other manufacturing	8 541	9 585	9 036	9 702	9 540	10 396
Furniture	1 455	1 400	1 442	1 562	1 494	1 638
Other manufacturing groups	7 086	8 185	7 594	8 140	8 046	8 758
Total	251 809	246 010	257 345	274 250	265 641	288 519

¹ The latest three months are preliminary.

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

Manufacturing division and major group	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22
Food and beverages	11,3	21,5	10,3	15,4	8,8	11,3
Meat, fish, fruit, etc.	14,7	24,9	24,9	20,7	17,3	26,1
Dairy products	7,9	5,3	17,9	22,1	24,3	21,6
Grain mill products	23,5	18,5	20,4	20,7	18,7	13,3
Other food products	-13,5	-10,9	-3,5	1,9	10,9	23,1
Beverages	25,3	83,4	-0,4	15,1	-10,6	-12,5
Textiles, clothing, leather and footwear	3,5	17,6	12,6	13,8	6,8	7,1
Textiles	1,8	10,4	10,0	6,1	-12,7	-2,9
Other textile products	4,5	20,4	14,2	18,0	12,0	11,0
Knitted, crocheted articles	26,0	22,2	9,2	39,5	19,7	18,4
Wearing apparel	-0,8	19,3	6,2	2,6	3,8	-0,9
Leather and leather products	8,9	19,2	32,3	24,7	15,1	37,0
Footwear	2,7	13,7	16,8	27,8	16,8	12,5
Wood and wood products, paper, publishing and printing	6,0	18,4	15,5	16,4	11,8	11,7
Sawmilling and planing of wood	0,1	41,7	32,9	32,4	27,6	17,9
Products of wood	11,4	12,8	8,0	10,8	10,3	9,8
Paper and paper products	1,4	16,2	12,9	24,5	12,5	12,1
Publishing	-0,6	12,4	22,4	-14,9	-3,5	6,9
Printing, recorded media	23,3	23,0	18,3	15,4	14,5	12,2
Petroleum, chemical products, rubber and plastic products	22,1	21,9	24,0	16,1	13,1	19,3
Coke, petroleum products and nuclear fuel	27,4	17,4	8,6	17,5	16,9	9,9
Basic chemicals	17,0	26,4	44,3	15,5	4,1	26,0
Other chemical products	18,2	17,6	27,5	10,8	12,0	27,1
Rubber products	12,3	18,2	19,2	21,5	6,2	27,7
Plastic products	28,3	31,9	24,5	22,9	21,7	14,3
Glass and non-metallic mineral products	7,4	10,9	13,0	14,7	14,5	11,6
Glass and glass products	16,6	18,8	33,3	33,9	22,1	26,6
Non-metallic mineral products	5,7	9,5	9,4	11,4	13,2	8,7
Basic iron and steel, non-ferrous metal products, metal products and machinery	12,7	15,8	5,1	1,3	10,3	-6,0
Basic iron and steel products	25,6	15,5	2,2	-19,8	4,3	-35,0
Non-ferrous metal products	0,3	16,8	-12,1	4,7	-10,2	0,4
Structural metal products	15,1	9,1	24,3	15,5	26,1	18,6
Other fabricated metal products	17,2	13,0	18,0	13,9	30,2	2,0
General purpose machinery	19,1	29,9	26,6	15,8	39,0	25,6
Special purpose machinery	10,5	9,1	18,5	7,0	29,5	6,6
Household appliances	12,5	31,0	18,9	21,3	16,2	11,3
Electrical machinery	12,1	14,1	9,0	12,6	19,2	4,1
Radio, television and communication apparatus and professional equipment	14,6	32,6	20,4	17,1	-0,1	-2,3
Radio, television and communication apparatus	7,3	35,9	9,4	8,3	-14,6	-25,7
Professional equipment	19,6	30,5	29,5	25,0	13,0	21,7
Motor vehicles, parts and accessories and other transport equipment	-8,7	63,5	56,3	79,5	53,9	45,8
Motor vehicles	-14,4	118,0	89,6	114,8	60,3	55,2
Bodies for motor vehicles, trailers and semi-trailers	37,7	37,3	27,7	29,4	39,4	35,8
Parts and accessories	-10,0	8,7	25,5	54,9	53,4	41,9
Other transport equipment	20,0	8,3	9,5	25,3	25,5	15,0
Furniture and other manufacturing	4,6	14,2	4,5	9,1	1,9	4,5
Furniture	20,0	6,6	-4,3	-8,8	-14,3	-18,0
Other manufacturing groups	1,9	15,6	6,3	13,4	5,6	10,1
Total	10,0	24,1	17,0	18,3	15,3	11,8

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

Manufacturing division and major group	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22
Food and beverages	2,6	5,0	2,6	3,8	2,3	2,8
Meat, fish, fruit, etc.	1,0	1,7	1,7	1,4	1,2	1,7
Dairy products	0,1	0,1	0,4	0,4	0,5	0,4
Grain mill products	0,9	0,8	0,8	0,8	0,8	0,5
Other food products	-0,7	-0,7	-0,2	0,1	0,5	1,0
Beverages	1,3	3,0	0,0	1,1	-0,8	-0,9
Textiles, clothing, leather and footwear	0,1	0,4	0,3	0,3	0,2	0,2
Textiles	0,0	0,0	0,0	0,0	-0,1	0,0
Other textile products	0,0	0,1	0,1	0,1	0,1	0,1
Knitted, crocheted articles	0,0	0,0	0,0	0,0	0,0	0,0
Wearing apparel	0,0	0,1	0,0	0,0	0,0	0,0
Leather and leather products	0,0	0,0	0,1	0,1	0,0	0,1
Footwear	0,0	0,1	0,1	0,1	0,1	0,0
Wood and wood products, paper, publishing and printing	0,4	1,2	1,0	1,2	0,8	0,8
Sawmilling and planing of wood	0,0	0,2	0,1	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	0,5	0,4	0,9	0,4	0,4
Publishing	0,0	0,1	0,1	-0,1	0,0	0,0
Printing, recorded media	0,2	0,3	0,2	0,2	0,2	0,2
Petroleum, chemical products, rubber and plastic products	4,4	4,4	4,6	3,3	2,8	3,8
Coke, petroleum products and nuclear fuel	1,7	1,0	0,5	1,0	1,1	0,6
Basic chemicals	0,7	1,2	1,7	0,7	0,2	1,1
Other chemical products	1,0	1,0	1,4	0,7	0,7	1,4
Rubber products	0,1	0,1	0,1	0,1	0,0	0,2
Plastic products	0,8	1,0	0,8	0,8	0,8	0,5
Glass and non-metallic mineral products	0,2	0,4	0,5	0,5	0,5	0,4
Glass and glass products	0,1	0,1	0,2	0,2	0,1	0,1
Non-metallic mineral products	0,2	0,3	0,3	0,3	0,4	0,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	3,1	3,9	1,3	0,3	2,2	-1,5
Basic iron and steel products	1,5	0,9	0,1	-1,4	0,2	-2,6
Non-ferrous metal products	0,0	1,3	-1,0	0,3	-0,8	0,0
Structural metal products	0,3	0,2	0,4	0,3	0,4	0,3
Other fabricated metal products	0,6	0,5	0,6	0,5	0,9	0,1
General purpose machinery	0,4	0,6	0,5	0,3	0,7	0,5
Special purpose machinery	0,3	0,3	0,5	0,2	0,7	0,2
Household appliances	0,1	0,1	0,1	0,1	0,1	0,1
Electrical machinery	0,3	0,4	0,2	0,3	0,4	0,1
Radio, television and communication apparatus and professional equipment	0,1	0,3	0,2	0,2	0,0	0,0
Radio, television and communication apparatus	0,0	0,1	0,0	0,0	-0,1	-0,2
Professional equipment	0,1	0,2	0,2	0,1	0,1	0,1
Motor vehicles, parts and accessories and other transport equipment	-1,3	7,5	6,2	8,0	6,1	5,1
Motor vehicles	-1,3	6,8	4,9	5,7	4,0	3,3
Bodies for motor vehicles, trailers and semi-trailers	0,2	0,2	0,2	0,2	0,2	0,2
Parts and accessories	-0,4	0,4	0,9	1,8	1,6	1,4
Other transport equipment	0,2	0,1	0,1	0,3	0,3	0,2
Furniture and other manufacturing	0,2	0,6	0,2	0,3	0,1	0,2
Furniture	0,1	0,0	0,0	-0,1	-0,1	-0,1
Other manufacturing groups	0,1	0,6	0,2	0,4	0,2	0,3
Total	10,0	24,1	17,0	18,3	15,3	11,8

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

Manufacturing division and major group	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Month-on-month % change
Food and beverages	60 496	60 762	63 879	60 249	61 683	2,4
Meat, fish, fruit, etc.	17 878	18 074	18 608	18 329	19 396	5,8
Dairy products	4 976	5 093	5 322	5 758	5 457	-5,2
Grain mill products	10 550	10 469	10 796	10 866	10 849	-0,2
Other food products	10 898	11 541	11 754	11 342	12 177	7,4
Beverages	16 195	15 584	17 399	13 954	13 804	-1,1
Textiles, clothing, leather and footwear	5 382	5 519	5 772	5 822	5 868	0,8
Textiles	738	757	756	724	738	1,9
Other textile products	1 534	1 609	1 654	1 724	1 715	-0,5
Knitted, crocheted articles	214	217	245	225	227	0,9
Wearing apparel	1 504	1 590	1 746	1 826	1 836	0,5
Leather and leather products	581	535	550	527	572	8,5
Footwear	811	810	822	796	779	-2,1
Wood and wood products, paper, publishing and printing	15 270	15 910	16 886	16 245	16 666	2,6
Sawmilling and planing of wood	1 155	1 159	1 149	1 158	1 176	1,6
Products of wood	2 126	2 082	2 122	2 151	2 173	1,0
Paper and paper products	7 738	8 127	9 157	8 699	9 078	4,4
Publishing	1 353	1 506	1 476	1 358	1 325	-2,4
Printing, recorded media	2 899	3 036	2 982	2 879	2 914	1,2
Petroleum, chemical products, rubber and plastic products	49 698	51 023	52 796	51 778	53 365	3,1
Coke, petroleum products and nuclear fuel	13 154	14 566	16 166	16 890	16 611	-1,7
Basic chemicals	12 085	11 764	11 589	10 601	11 620	9,6
Other chemical products	14 134	14 123	14 485	14 112	14 731	4,4
Rubber products	1 662	1 794	1 826	1 699	1 944	14,4
Plastic products	8 663	8 776	8 730	8 476	8 460	-0,2
Glass and non-metallic mineral products	7 888	8 060	8 273	8 327	8 166	-1,9
Glass and glass products	1 309	1 465	1 450	1 293	1 407	8,8
Non-metallic mineral products	6 579	6 594	6 823	7 034	6 760	-3,9
Basic iron and steel, non-ferrous metal products, metal products and machinery	56 643	56 040	55 224	50 507	54 324	7,6
Basic iron and steel products	14 005	13 536	12 692	10 704	11 453	7,0
Non-ferrous metal products	17 649	16 684	16 980	14 797	17 164	16,0
Structural metal products	3 836	4 335	4 458	4 202	4 352	3,6
Other fabricated metal products	8 072	8 322	8 381	7 819	8 173	4,5
General purpose machinery	5 302	5 263	5 330	5 377	5 427	0,9
Special purpose machinery	6 588	6 695	6 161	6 513	6 599	1,3
Household appliances	1 191	1 204	1 222	1 094	1 157	5,8
Electrical machinery	5 821	5 698	5 859	5 918	5 784	-2,3
Radio, television and communication apparatus and professional equipment	2 542	2 621	2 671	2 448	2 494	1,9
Radio, television and communication apparatus	1 067	1 064	1 141	948	909	-4,1
Professional equipment	1 475	1 557	1 530	1 501	1 585	5,6
Motor vehicles, parts and accessories and other transport equipment	34 351	35 654	39 481	37 306	38 349	2,8
Motor vehicles	21 042	21 389	22 742	22 054	22 599	2,5
Bodies for motor vehicles, trailers and semi-trailers	1 539	1 522	1 588	1 593	1 577	-1,0
Parts and accessories	9 005	9 927	12 025	10 478	10 908	4,1
Other transport equipment	2 766	2 816	3 126	3 181	3 266	2,7
Furniture and other manufacturing	9 447	8 987	9 435	8 838	9 164	3,7
Furniture	1 386	1 401	1 377	1 182	1 246	5,4
Other manufacturing groups	8 061	7 586	8 057	7 656	7 918	3,4
Total	247 538	250 272	260 274	247 438	255 863	3,4

Survey information

Introduction	1	Statistics South Africa (Stats SA) conducts a monthly survey of the manufacturing industry, covering manufacturing enterprises. This statistical release contains the results of a sample drawn from the business sampling frame (BSF), with enhanced coverage of South African businesses (see 4). The release contains monthly indices of the volume of manufacturing production and monthly value of sales of manufactured products by division and major group.
	2	In accordance with international practice, the indices are usually re-based every five years to a new base year. The current base period of the index is 2019. Both estimated and seasonally adjusted figures are presented.
	3	In order to improve timeliness, some information for the latest month had to be estimated due to late response. These estimates will be revised in future statistical releases as soon as information becomes available.
	4	Stats SA is continuously updating its BSF, based on units registered for value-added tax (VAT) and income tax (IT) obtained from the South African Revenue Service (SARS).
Purpose of the survey	5	The results of the monthly manufacturing production and sales survey are used to calculate the volume of manufacturing production indices in order to estimate the gross domestic product (GDP) and its components, which in turn are used to develop and monitor government policy. These indices provide an indicator of the real level of manufacturing activity in the economy.
Special Data Dissemination Standard of the IMF	6	The data in this statistical release adhere to the Special Data Dissemination Standard (SDDS) of the International Monetary Fund (IMF), which sets out standards on coverage, periodicity and timeliness of data, access by the public, integrity, and quality of the disseminated data.
Scope of the survey	7	This survey covers manufacturing enterprises, i.e. those conducting activities in - - the manufacturing, processing, making or packing of products; - the slaughtering of animals, including poultry; and - installation, assembly, completion, repair and related work.
Classification	8	The 1993 edition of the <i>Standard Industrial Classification of All Economic Activities</i> (SIC), Fifth Edition, Report No. 09-90-02, was used to classify the statistical units in the survey. The SIC is based on the 1990 <i>International Standard Industrial Classification of All Economic Activities</i> (ISIC) with suitable adaptations for local conditions. Each enterprise is classified to an industry which reflects its predominant activity. Statistics in this publication are presented at SIC division (two digit) and major group (three digit) level.
Collection rate	9	The preliminary collection rate for the survey on manufacturing production and sales was 55,8% for November 2022. The improved collection rate for October 2022 was 66,6%.
Statistical unit	10	The statistical unit for which information is compiled and published is an enterprise, defined as a legal unit or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.
Revised figures	11	Revised figures are mainly due to late submission of data to Stats SA, or respondents reporting revisions or corrections to their figures. Preliminary figures, as indicated in the relevant tables, are subject to change and when revised will not be indicated as such.
Related publications	12	Users may also wish to refer to <i>Stats in Brief</i> available from Stats SA.

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

Technical notes

Survey methodology and design

- 1 The survey is conducted monthly. Questionnaires are sent to a sample of 3 276 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 limits	Upper limits
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 production price index (PPI). For 38 of the 44 major groups in manufacturing, the value of production is calculated from the value of sales and stocks of manufactured products obtained from the monthly survey of manufacturing enterprises.
- 7** More direct indicators are used for the value of production of the following major groups:
- tobacco;
 - coke and refined petroleum products;
 - basic iron and steel products;
 - basic precious and non-ferrous metal products;
 - motor vehicles; and
 - parts and accessories for motor vehicles.

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

Index weighting

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

Period	Source
1998 to 2000	1996 Census of manufacturing
2001 to 2004	2001 LSS
2005 to 2009	2005 LSS
2010 to 2022	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 – 2022 (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.
- Month-on-month percentage change** **14** The month-on-month percentage change in a variable for any given month is the change between that month and the previous month, expressed as a percentage of the latter.
- Year-on-year (annual) percentage change** **15** The year-on-year percentage change in a variable for any given period is the change between that period and the corresponding period of the previous year, expressed as a percentage of the latter.
- Index contribution (percentage points)** **16** The contribution (percentage points) of a major group or division to the total manufacturing production percentage change for a given period is calculated by multiplying the difference in the index of each major group or division by the weight of the major group or division and then dividing by the previous period total manufacturing index.
- Sales contribution (percentage points)** **17** The contribution (percentage points) of a division or major group to the percentage change in total manufacturing sales for a given period is calculated by multiplying the percentage change of each major group or division with its percentage contribution to the total sales of the previous period, divided by 100.

Glossary

Enterprise	The enterprise is a legal entity or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities.	
Industry	An industry is made up of enterprises engaged in the same or similar kinds of economic activity. Industries are defined in the <i>System of National Accounts</i> (SNA) in the same way as in the <i>Standard Industrial Classification of All Economic Activities</i> (SIC), Fifth Edition, Report No. 09-90-02 of January 1993.	
Sales	Sales are the total value of sales and transfers-out of all own manufactured products/articles and the amounts received for installation, erection or assembly or other services rendered.	
Symbols and abbreviations	BSF	Business sampling frame
	GDP	Gross domestic product
	IMF	International Monetary Fund
	ISIC	International Standard Industrial Classification
	LSS	Large sample survey
	NA	National accounts
	PPI	Producer price index
	Rm	R million
	SIC	Standard Industrial Classification of All Economic Activities
	SARS	South African Revenue Service
	SDDS	Special Data Dissemination Standard
	Stats SA	Statistics South Africa
	VAT	Value-added tax
	*	Revised figures

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

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